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Revision Information

Revision Date	Updated Contents
2014-08-01	Initial Version

Introduction

Document Contents

This document describes the release contents of intra-mart Accel Platform.

Target Use of Product

This product is intended for the use of :

- Application development using intra-mart Accel Platform.
- Application usage running on intra-mart Accel Platform.

URL of External Site in this Document

- External URLs shown in this document are effective as of August, 2014.

Decription of Terminology

intra-mart Accel Platform is sometimes abbreviated as iAP for our description.

intra-mart WebPlatform is abbreviated as iWP.

intra-mart App Framework is abbreviated as iAF.

Release Note

INITIAL VERSION 2014-08-01

Changes from intra-mart Accel Platform 2014 Spring

- Changes in the Previous Update Version
 - Changes from intra-mart Accel Platform 2013 Winter to 2014 Spring**

Overview of Additional Functions

- Platform
 - Double Log-in Prevention Function
 - User List Display Screen for valid sessions has been added.
 - Session invalidation screen has been added.
 - ZIP Code Search Function (only for Japan) has been added.
 - UI Component
 - imuiCombobox has been added.

imuiColumnView has been added.
 CSS Sprite Generator (The tool for users to combine images) has been added.

- Tenant Management

iWP-iAP SSO Module has been added.
 Function to export/import authorization setting in Excel has been added.
 Function to avoid Integrated Windows authentication depending on the request has been added.
 API to change Base URL according to the request has been published.
 Function to open/close the site map for each menu group has been added.

- IM-Workflow

ContentsSearch search function for active matters has been added.
 Candidates that can be set as process target [Department and its XXXX] have been added.
 · Department and all its upper departments
 · Department and all its upper departments + Post
 · Department and all its upper departments + Role
 · Department and all its lower departments
 · Department and all its lower departments + Post
 · Department and all its lower departments + Role
 Function to simplify the setting of matter reference authority for the auditor has been added.
 Function to batch re-deploy reference users for active matters and completed matters has been added.

- ViewCreator

Individual import/export function for ViewCreator data reference has been added.
 Function to output list summary in PDF has been added.
 Function to replace graph drawing module has been added.
 Function to convert CSV output to JOB and to register it as a batch job has been added.
 Function to switch the display order of columns by drag and drop has been added.
 Function to output data reference for Script Development Model (as JS and HTML) has been added.
 Function to enable the display of data reference search conditions as combo-box has been added.

System Requirements

- Server Requirements
 - Windows Server 2012 R2 Update 1 has been added.
 - Apache HTTP Server 2.4 has been added.
 - Resin 4.0.40 has been added.
- Client Requirements
 - Google Chrome 35 has been added to Windows 8 / 8.1.
 - Windows 8.1 → Windows 8.1 Update 1 change has been made.
 - Firefox ESR 24 has been added.
 - Google Chrome 33 → 35 change has been made.

Validated Environment

- Server Environment
 - Windows Server 2012 → Windows Server 2012 R2 Update 1 change has been made.
 - Apache HTTP Server 2.2 → Apache HTTP Server 2.4 change has been made.
 - Resin 4.0.40 has been added.
- Client Environment
 - Windows 8.1 → Windows 8.1 Update 1 change has been made.
 - Firefox ESR 24.5 has been added.
 - Google Chrome 33 → 35 change has been made.

Third-party Library

- Additions/Changes
 - There are no third-party libraries that were added/changed.
- Eliminations
 - There are no third-party licenses that were eliminated.

Design Changes (Common - including All-themes common, Components, CSS Modules, and Combination of themes)

Contents of design changes are as follows :

- [Summary]

Following improvements and corrections have been made.

- (1) Improved the symptom in which the height of imuiDropdown varies depending on the browsers.
- (2) Improved the positions of imuiColorPicker text box and icon button.
- (3) Improved the symptom in which space is displayed on the right side of imuiDialog, imuiConfirm, and imuiAlert buttons on Internet Explorer 9.
- (4) Improved the symptom in which a gap is generated in the vertical position on Internet Explorer, when the [single-byte alphabetic characters only] button and [Japanese] button are placed side by side in the buttons attribute of imuiDialog.
- (5) Resolved the problem in which display is corrupted when the jQueryUI icon and character string are specified to imuiButton.
- (6) Improved the symptom in which background line of input[type="range"] is not displayed on Chrome 34.

- [Detail]

Contents of major corrections and remarks

- (1) Improved the symptom in which the height of imuiDropdown varies depending on the browsers.
Its height was 27px on Chrome and Safari(Mac).
Its height was 28px on Internet Explorer 8 through 11 and Firefox ESR 24.5.
Considering the fact that they may be placed on the tool bar, these heights have been made the same as the tool bar, i.e., 27px.
- (2) Aligned the positions of imuiColorPicker text box and color selection icon.
When compared with the vertical position of imuiColorPicker text box, vertical position of color selection icon is lower by about 2px.
These positions are aligned.
- (3) Improved the symptom in which space is displayed on the right side of imuiDialog, imuiConfirm, and imuiAlert buttons on Internet Explorer 9.
Likewise, the symptom of space being displayed on the right side of imuiConfirm and imuiAlert buttons has been improved.
text-align:right; should be specified in the button display area.
- (4) Improved the symptom in which a gap is generated in the vertical position on Internet Explorer, when the [single-byte alphabetic characters only] button and [Japanese] button are placed side by side in the buttons attribute of imuiDialog.
This symptom occurs only on Internet Explorer.
This symptom occurs when the [single-byte alphabetic characters only] button and [Japanese] button are placed side by side.
vertical-align:middle should be specified to the button placed in the imuiDialog button display area.
- (5) Resolved the problem in which display is corrupted when the jQueryUI icon and character string are specified to imuiButton.
style="display:inline-block" should be specified to the span tag which is generated if iconClass is specified in UIButton.java.
As a result, if iconClass is specified to imuiButton, display of the icon span will become inline-block.
- (6) Improved the symptom in which background line of input[type="range"] is not displayed on Chrome 34.

Limitations

[Added Limitations]

-
- Setup / Environment Build
 - **You are not allowed to create multiple schemas in the database for use by multiple tenants.**
 - Client Browser (Common)
 - **If script tag is stated in imuiDialog, the process will be called twice during the loading.**
 - **On Internet Explorer 11 and Firefox ESR 24, dotted line is displayed when input[type="file"] button is focused.**
 - **On Internet Explorer and Firefox ESR 24, focus will not move unless you hit the tab key twice after moving to the File Add button by the tab move of imuiFileUpload.**
 - **If you display the dialog with modal option set to true inside the dialog with modal option set to true again, event propagation will stop.**
 - **CSS (Style Sheet) cannot be specified for optgroup attribute depending on the browser in use.**
 - **If the display area of imuiTabItem is an element created by iframe, drag operation does not work properly.**
 - **Style of the characters entered in imuiRichtextbox may not be reflected depending on the font of the browser.**
 - Client Browser (Internet Explorer)
 - **When imuiFileUpload is used, files that exceed 4GB in size cannot be uploaded on Internet Explorer 10 or 11.**
 - **On Internet Explorer, status bar may continue to work even after the screen display is finished.**
 - **When a single-byte alphabetic button and a Japanese button are placed side by side on Internet Explorer, a vertical gap of about 1px would appear.**
 - Client Browser (FireFox)
 - **On Firefox ESR 24, if the icon of the size bigger than the button is specified for imuiButton, it will exceed the area.**
 - **On Firefox ESR 24, the value of label in optgroup tag of imuiSelect is shown in italic.**
 - **On Firefox ESR 24, if you place imuiRichtextbox in imuiDialog, characters may not be entered into imuiRichtextbox.**

- *On Firefox ESR 24, double frame lines are displayed when input[type="range"] is focused.*
 - *On Firefox ESR 24, margin may be generated at the lower part of the portlet.*
 - *On Firefox ESR 24, search operation does not take place while IME entry is being made to imuiAutocomplete.*
- Authentication
 - *Some authentication processes are outside the scope of double login prevention function.*
 - *Double login check may not be performed correctly, if the same user logs in from multiple browsers at the same time.*
 - *Login may fail during Integrated Windows Authentication.*
- IM-Common Master
 - *On Firefox ESR 24.5 [OK] button in the calendar pop-up sometimes does not work.*
 - *Scale of the term is contracted in Term Display Scroll Bar.*
- HybridSSO / External Menu Linkage
 - *Automatic log-in function does not support the log-out linkage of iAP-iWP SSO Linkage Module (IM-HybridSSO).*
 - *Log-in by IM-HybridSSO cannot be made if accessed by Short-cut URL.*
 - *If Web Server or Load Balancer is used, context path of Request URL and context path of iWP / iAF should be set the same.*
 - *SSO Connection is released if you change the password of iWP / iAF while IM-HybridSSO connection is in place.*
 - *Configuration in which multiple SSO authentication providers have linkage with the same SSO service provider is not supported.*
 - *Configuration in which SSO authentication provider has SSO linkage with multiple log-in groups in the same iWP / iAF is not supported.*
 - *Servers that make up IM-HybridSSO must be built on the same domain.*
 - *iWP / iAF may not be used as [SSO Authentication Provider], and intra-mart Accel Platform may not be used as [SSO Service Provider].*
 - *IM-HybridSSO provides simple Single Sign On functions on intra-mart Accel Platform and iWP / iAF.*
 - *In the environment where iAP-iWP SSO Linkage Module (IM-HybridSSO) is installed, you cannot change the transition destination screen after the log-out.*
- IM-Workflow
 - *Matter Number Allocation Process (DB Sequence Version) is not available on SQLServer 2008.*
 - *Destination field of negotiation mail is displayed as [0 item] on iPad.*
- ZIP Code Search
 - *This function searches for the postal code and address in domestic Japan.*
 - *Data import process supports only the postal code in CSV format provided by Japan Post Co., Ltd.*
- Compatibility
 - *If the screens created by iWP / iAF do not support the standard mode of Internet Explorer, screens may not work properly.*

[Updated Limitations]

-
- Common
 - *In case Base URL is explicitly set, log-in will fail if it is accessed by the URL other than the Base URL which is set.*
 - Client Browser (Common)
 - *Display of layout may be corrupted depending on the browser type.*
 - Client Browser (Tablet)
 - *If the screens for PC are displayed on Safari of iPad/iPhone, some functions are limited depending on the browser specifications.*
 - IM-Common Master
 - *Memory leak problem may occur when IM-Common Master screen is used on Internet Explorer 8 and 9.*
 - Web Services
 - *There are limitations about Web services in general.*
 - HybridSSO / External Menu Linkage
 - *Single Sign On authentication is recommended in order to use the external menu linkage function.*
 - IM-Workflow
 - *Sizing of storage region is necessary depending on the master setting of workflow.*
 - IM-Workflow (Replacement of Images)
 - *Sometimes branch route (line) may not show up on the display.*
 - Migration - Calendar
 - *Specifications of screen display based on display colors of date information will vary.*

[Deleted Limitations]

- There are no limitations that were deleted.
-

Function List

Major Category	Minor Category	Function Summary
Platform Function	Tenant Management	function that manages tenant environment
	Authentication	function to identify user by user ID and password
	Role	function to assign the authority
	IM-Authz(Authorization)	function to judge “who”, “what” and “how”
	Menu	function to allow transition to any application screen using global navigation site map
	Calendar	multiple calendars are available
	Theme	screen layout can be switched
	Multi-language	Japanese, English, and Chinese are available.
	Time Zone	date/time information for the respective timezone is available
	Date/Time Display Format	date/time can be displayed in any date/time display format
	IM-FileExchange	files that cannot be sent by email are uploaded to server, and then downloaded via browser
	LDAP Linkage	function to connect to LDAP server for authentication
	SSO	function to do automatic authentication by authentication by external system
Development	UI Components	group of components for the development of PC screens
	IM-MobileFramework	group of components for the development of smart phone screens
Application	Personal Setting	Personal information setting of user
	IM-Common Master	master for user, company, department, and other information
	IM-Workflow	Web-based multi-layer electronic application/approval workflow engine
	IMBox	communication tool which uses real-time timeline engine
	Portal	information scattered inside and outside intra-mart can be collected and displayed on portal
	ViewCreator	automated tool to create various tables and graphs using data in the existing database
	TableMaintenance	tool that allows new registration, update, or deletion of records to the existing table on database
	Event Navigator	business support application that leads users to the target function (screen) by letting them answer to questions
	IM-ContentsSearch for Accel Platform	tool that allows whole-document search across multiple business systems
	Compatibility	Application Common Master
	Document Workflow (BPW)	electronic application/approval workflow engine in the old version

System Requirements

System requirements for this version are as follows :

Server Requirements

Type	Product Name
Operating System	Windows Server 2008 R2
	Windows Server 2012
	Windows Server 2012 R2
	Red Hat Enterprise Linux 6
Hardware	PC that allows stable operation for each OS (CPU 3GHz or higher recommended)
Required Memory Capacity (JVM)	recommended minimum configuration is 4GB or above
Required Disk Capacity	1GB or above (intra-mart Accel Platformonly)
JDK	Java Platform, Standard Edition 7 Development Kit
Web Application Server	Resin 4.0.37 or above (4.0.40 is recommended)
	WebSphere Application Server 8.5.5
	Oracle WebLogic Server 12c (12.1.1)
Database	Oracle Database 11g Release 2
	Oracle Database 12c Release 1
	PostgreSQL 9.2
	PostgreSQL 9.3
	Microsoft SQL Server 2008 R2
	Microsoft SQL Server 2012
	IBM DB2 9.7 FixPack5
	IBM DB2 10.1 FixPack2
Web Server (only when Web Server is used)	Internet Information Services 7.5 (Windows Server 2008 R2)
	Internet Information Services 8 (Windows Server 2012)
	Internet Information Services 8.5 (Windows Server 2012 R2)
	Apache HTTP Server 2.2 , 2.4 (DSO Support Version)
	IBM HTTP Server 8.5 (WebSphere Application Server 8.5.5)
IM-Juggling	Windows 7 (32bit, 64bit)
	version: 1.0-20140801 <ul style="list-style-type: none"> ▣ for JDK <ul style="list-style-type: none"> Java Platform, Standard Edition 7 Development Kit ▣ for Japanese, Chinese, and English OS

 **Note**

For the confirmation of IM-Juggling tool which has been set up, click the tool bar  (about this application).
Version number is displayed on the lower left of pop-up.
Latest version number as of 2014-08-01 is [1.0-20140801].

 **Warning**

JDK assumes the following version.
Java SE Development Kit 7u55 or above

 **Warning**

intra-mart Accel Platform uses only UTF-8 as character code.

 **Warning**

Unpublished styles or APIs are not recommended. They may be deleted without notice.

Please do not use the styles or APIs that are not published in the API List etc. They may be deleted without notice in the future.

 **Warning**

For Oracle Database 12c Release 1, it is necessary to disable Partial Join Evaluation(PJE). For details, please refer to the document issued by the product vendor.

Server Requirements when particular functions are in use

- IMBox is used

Apache Cassandra System Requirements

System requirements for building Apache Cassandra are as follows.

Support Version

- Apache Cassandra 1.1.12

Server Requirements

Operating System	conforms to intra-mart Accel Platform
Hardware	conforms to intra-mart Accel Platform
Required Memory Capacity (JVM)	Recommended minimum configuration is 4GB or more.
Required Disk Capacity	100MB or more (not including data capacity)
JDK	Java Platform, Standard Edition 7 Development Kit

 **Warning**

Required disk capacity is the size needed to install Apache Cassandra. In order to use the facility, disk capacity to accommodate the data which size is dependent on the environment and requirements would be needed.

Timeout may probably occur depending on the Disk I/O speed of Apache Cassandra. For information about the timeout, please refer to [**Cassandra Administrator Guide - Cassandra Operations**].

JDK assumes the following version.

- Java SE Development Kit 7u55 or above

- IM-ContentsSearch for Accel Platform is used

Apache Solr System Requirements

System requirements to build Apache Solr are as follows.

Support Version

- Apache Solr 3.6.1

Server Requirements

Operating System	conform to intra-mart Accel Platform
Hardware	conform to intra-mart Accel Platform

Required Memory Capacity(JVM)	Recommended minimum configuration is 2GB or above.
Required Disk Capacity	100MB or more (not including data capacity)
JDK	Java Platform, Standard Edition 7 Development Kit
Web Application Server (version validated by our company)	Resin 4.0.x Jetty 6.1.x Apache Tomcat 7.0.x



Warning

Required disk capacity is the size required to install Apache Solr. In order to use it, disk capacity for the size of data is required depending on environment and usage requirements.



Warning

Following version is necessary for JDK.
Java SE Development Kit 7u25

There are remarks when using Java SE Development Kit 7u40 or up.
Please refer to [[Solr Administrator Guide](#)]-[[in case Java SE Development Kit 7u40 or above is used](#)] for detail.

Client Requirements

Type	Hardware	OS	Browser	Client Type
PC	PC/AT compatibles	Windows 7 SP1	Internet Explorer 8	[PC]
			Internet Explorer 9	[PC]
			Internet Explorer 10	[PC]
			Internet Explorer 11	[PC]
			Google Chrome 35 or above	[PC]
		Firefox ESR 24	[PC]	
		Windows 8	Internet Explorer 10(Internet Explorer for Desktop PC)	[PC]
			Google Chrome 35 or above	[PC]
			Firefox ESR 24	[PC]
		Windows 8.1	Internet Explorer 11(Internet Explorer for Desktop PC)	[PC]
Google Chrome 35 or above	[PC]			
Mac	Mac OS 10.9 or above	Safari 7 or above	[PC]	
Smart Phone	iPhone	iOS 7.0.4 or above	Safari	[SP]
	iPad2 or later	iOS 7.0.4 or above	Safari	[PC/SP]
	Android device	Android 2.3.6	Standard Browser	[SP]
		Android 4 or above	Standard Browser	[SP]



Caution

Remarks about the termination of support of Windows XP and Google Chrome Frame

Windows XP and Google Chrome Frame will no longer be supported on our products (including the previous

update versions).

Descriptions about them will be removed from various document.

Reference: <http://www.intra-mart.jp/developer/news/2014/01/windows-xp-intra-mart.html> (Japanese)



Note

Client devices will operate both for 32bit and 64bit configuration.



Note

Functions listed below use Flash to create screens.

It is necessary that Adobe Flash Player 14 or above (as of 2014-08-01) should be installed on the device in use.

- ViewCreator - [Query Edit] screen
- Application Common Master (Compatible) - [Product Master Setting] each screen
- richtextarea(Deprecated Tag Library)



Warning

Combinations of OS and browser other than those listed in the client requirements are not supported.

For example, the combinations below are outside the scope of support. Please be careful.

- Windows 7 + Internet Explorer 9 (Windows 7 ServicePack not applied)
- Windows Server 2008 R2 + Internet Explorer 9 (browser on server OS used)



Warning

[Compatibility Mode] of Internet Explorer is outside the scope of support.



Warning

In case Google Chrome is used on Windows 8 / 8.1, Windows 8 mode is outside the scope of support.



Warning

Internet Explorer 11 should be at update version 11.0.4(KB2925418) or above.



Warning

Internet Explorer 10 and 11 (Internet Explorer with Windows UI) is outside the scope of support.

Please see below for Internet Explorer 10 and 11.

[http://msdn.microsoft.com/ja-JP/library/ie/hh771832\(v=vs.85\).aspx](http://msdn.microsoft.com/ja-JP/library/ie/hh771832(v=vs.85).aspx) (Japanese)

[http://msdn.microsoft.com/en-US/library/ie/hh771832\(v=vs.85\).aspx](http://msdn.microsoft.com/en-US/library/ie/hh771832(v=vs.85).aspx) (English)



Warning

Android devices may not function properly depending on the device types and browser types.



Warning

Android tablet is not included in the client requirements.



Warning

Firefox should be of extended support version for corporate for our support.
Please see below for details.

<http://www.mozilla.jp/business/downloads/> (Japanese)

Validated Environment

- Listed below are the validated combinations of intra-mart products and other company's middleware products.

Server Environment

Stand-alone Configuration

OS	JDK	Web Server	Web Application Server	Database
Windows Server 2012 R2	Oracle JDK7		Resin 4.0.37	PostgreSQL 9.3
Windows Server 2012 R2	Oracle JDK7	Internet Information Services 8.5	Resin 4.0.37	Oracle Database 12c Release 1
Red Hat Enterprise Linux 6	Oracle JDK7	Apache HTTP Server 2.2	Resin 4.0.40	Microsoft SQL Server 2012
Red Hat Enterprise Linux 6	IBM JDK7	IBM HTTP Server 8.5	WebSphere Application Server 8.5.5	IBM DB2 10.1 FixPack2
* built as IBM PureSystems				
Red Hat Enterprise Linux 6	Oracle JDK7	Apache HTTP Server 2.2	Oracle WebLogic Server 12c (12.1.1)	Oracle Database 12c Release 1

 **Note**
Apache Cassandra has been validated in Windows Server and Red Hat Enterprise Linux 6 environment.

 **Note**
WebSphere Application Server 8.5.5 has been validated in IBM PureSystems.
Please see below for IBM PureSystems.
<http://www-304.ibm.com/partnerworld/gsd/solutiondetails.do?solution=48382&expand=true&lc=ja> (Japanese)

 **Note**
Details of database environment verified by our company are as follows :
Drivers attached to the database server are used as JDBC drivers.
Oracle Database 11g Enterprise Edition Release 11.2.0.1.0 - 64bit Production
Oracle Database 12c Enterprise Edition Release 12.1.0.1.0 - 64bit Production
PostgreSQL 9.3
PostgreSQL 9.2
Microsoft SQL Server 2008 Standard Edition (64-bit)
Microsoft SQL Server 2012 Enterprise SP1(64-bit)
DB2 9.7 Advanced Enterprise Server Edition (64-bit)
DB2 10.1 Advanced Enterprise Server Edition (64-bit)

 **Note**
Environment of Oracle JDK7 version which has been verified by our company is Java SE Development Kit 7u55.

Distributed / Multiple Tenants Configuration

OS	JDK	Web Server	Web Application Server	Database
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Windows Server 2012 R2	Oracle JDK7	Internet Information Services 8.5	Resin 4.0.40 [A] Resin 4.0.40 [B]	Oracle Database Appliance Microsoft SQL Server 2012
		* Connect to Resin [A] [B] * SSL Connection * Integrated Windows Authentication	* Build Resin in separate enclosure * Place multiple tenants(WAR) on each server * Set time zone to [Asia/Tokyo]	* use each DB by tenant

 **Note**
In Apache Cassandra 3-unit cluster configuration is built for verification.

 **Note**
See below for Oracle Database Appliance.
<http://www.oracle.com/jp/products/database/database-appliance/overview/index.html> (Japanese)
<http://www.oracle.com/us/products/database/database-appliance/overview/index.html> (English)
<http://www.oracle.com/cn/products/database/database-appliance/overview/index.html> (Chinese)

Please contact our office if you are evaluating the use of Oracle Exadata.
(Oracle Enterprise Linux 5.5)

 **Note**
JDBC driver which is used for the database connection in Resin environment performs Type4(non-XA) verification.

 **Warning**
JDBC driver which is used by intra-mart Accel Platform is **JDBC 4**. JDBC 4.1 has not yet been verified.

 **Warning**
Verifications stated above have been made in IPv4 environment. No verification in IPv6 environment has been made.

 **Warning**
Problems caused by products other than intra-mart products (OS, JDK, Database, Mail Server etc.) are outside the scope of support.

Client Environment

PC

OS	Browser	Client Type
Windows 7 SP1	Internet Explorer 8	[PC]
	Internet Explorer 9	[PC]
	Internet Explorer 10	[PC]
	Google Chrome 35	[PC]
	Firefox ESR 24.5	[PC]
Windows 8.1	Internet Explorer 11 (Internet Explorer for Desktop PC)	[PC]
Mac OS 10.9	Safari 7	[PC]

Smart Phone

OS	Browser	Machine Type	Client Type
iOS 7.0.4	Safari	iPhone 5s	[SP]
		iPad(3rd Generation)	[PC]
Android 4.0	Standard Browser	NTT Docomo GALAXY S III SC-06D	[SP]

Third-Party License List

Third-Party	Version	License	URL
Ace	1.0.0	MPL	http://ace.c9.io/
action sheet for jQuery Mobile	2.1.1	MIT	https://github.com/hiprotagonist/jquery.mobile.actionsheet
ANTLR	2.7.7	PD	http://www.antlr2.org/
AOP Alliance	1.0	PD	http://aopalliance.sourceforge.net/
Apache Axis2	1.4.1	ASL	http://axis.apache.org/axis2/java/core/
Apache Commons Beanutils	1.8.3	ASL	http://commons.apache.org/proper/commons-beanutils/
Apache Commons Chain	1.1	ASL	http://commons.apache.org/proper/commons-chain/
Apache Commons Codec	1.5	ASL	http://commons.apache.org/proper/commons-codec/
Apache Commons Digester	1.8	ASL	http://commons.apache.org/proper/commons-digester/
Apache Commons Collections	3.2.1	ASL	http://commons.apache.org/proper/commons-collections/
Apache Commons Fileupload	1.2.2	ASL	http://commons.apache.org/proper/commons-fileupload/
Apache Commons HttpClient	3.1	ASL	http://hc.apache.org/httpclient-3.x/
Apache Commons IO	2.4	ASL	http://commons.apache.org/proper/commons-io/
Apache Commons Lang	2.4	ASL	http://commons.apache.org/proper/commons-lang/
Apache Commons Lang3	3.1	ASL	http://commons.apache.org/proper/commons-lang/
Apache Commons Compress	1.4.1	ASL	http://commons.apache.org/proper/commons-compress/
Apache Commons Pool	1.5.3	ASL	http://commons.apache.org/proper/commons-pool/
Apache Commons Validator	1.3.1	ASL	http://commons.apache.org/proper/commons-validator/
Apache HTTPComponents client	4.0.1	ASL	http://hc.apache.org/httpcomponents-client-ga/
Apache POI OpenXML4j	3.8.0	ASL	http://poi.apache.org/oxml4j/index.html
Apache Solr Solrj	3.6.1	ASL	http://lucene.apache.org/solr/
Apache Struts	1.2.9	ASL	http://struts.apache.org/
Apache Thrift	0.7.0	ASL	http://thrift.apache.org/
Apache XMLBeans	2.3.0	ASL	http://xmlbeans.apache.org/
aspectj	1.7.3	EPL	http://eclipse.org/aspectj/
Atmosphere	1.0.13	ASL+CDDL	https://github.com/Atmosphere/atmosphere
Bootstrap	2.0.2	ASL	http://getbootstrap.com/2.3.2/
Bouncy Castle	1.44	Original	http://www.bouncycastle.org/
dateFormat.js	1.1	MIT	http://www.enjoyxstudy.com

Third-Party	Version	License	URL
Dom4j	1.6.1	Original	http://dom4j.sourceforge.net/
Dozer	5.4.0	ASL	http://dozer.sourceforge.net/
eaio-uuid	3.2.0	MIT	http://stephenc.github.io/eaio-uuid/
Ehcache	2.6.0	ASL	http://ehcache.org/
Fugue Icons	3.3.4	CC 3.0	http://p.yusukekamiyamane.com/
GreyBox	5.53	LGPL	http://orangoo.com/labs/GreyBox
gridster.js	0.4.3	MIT	https://github.com/ducksboard/gridster.js
Guava	13.0.1	ASL	http://code.google.com/p/guava-libraries/
Hector	1.1.1	MIT	http://hector-client.github.io/hector/build/html/
hibernate	4.2.3.Final	LGPL	http://hibernate.org/
HTML Parser	2.1	CPL	http://htmlparser.sourceforge.net/
html5shiv	-	MIT	http://code.google.com/p/html5shiv/
HtmlCleaner	2.2	BSD	http://htmcleaner.sourceforge.net/
icojoy	34aL volume 3.2 SE	Original	http://www.icojam.com
ICU4J	3.8	ICU	http://site.icu-project.org/
Info-Zip	1.4.0	Original	http://www.info-zip.org/
iText	2.1.2	MPL	http://www.itextpdf.com/
iTextAsian	2.0	MPL	http://sourceforge.net/projects/itextpdf/
iUI	0.40-dev2	MIT	http://code.google.com/p/iui/
Jackson	1.9.7/2.1.3	ASL	http://jackson.codehaus.org/
Jadira Usertype	3.0.0.GA	ASL	http://jadira.sourceforge.net/
Jamon	2.2.2	MPL	http://www.jamon.org/
JavaBeans Activation Framework	1.1.1	Sun	http://www.oracle.com/technetwork/java/index.html
Javamail	1.4.1	Sun	http://www.oracle.com/technetwork/java/javamail/index.html
Javassist	3.15.0-GA	MPL	http://www.csg.ci.i.u-tokyo.ac.jp/~chiba/javassist/
Jaxen	1.1.1	Original	http://jaxen.codehaus.org/
Jcommon	1.0.15	LGPL	http://www.jfree.org/jcommon/
JDom	1.1	ASL	http://www.jdom.org/
Jericho HTML Parser	3.2	LGPL	http://jericho.htmlparser.net/docs/index.html
JFreeChart	1.0.12	LGPL	http://www.jfree.org/jfreechart/
JGroups	2.12.1.Final	LGPL	http://www.jgroups.org/
jna	4.0	LGPL	https://github.com/twall/jna
jQuery	1.1.6	MIT	http://code.google.com/p/jpicker/
jPicker	1.1.6	MIT	http://code.google.com/p/jpicker/
jQuery	1.7.2	MIT	http://jquery.com/

Third-Party	Version	License	URL
jquery.cookie	1.2	MIT	https://github.com/carhartl/jquery-cookie
jQuery Grid Plugin	4.3.3	MIT	http://www.trirand.com/blog/
jQuery-Knob	1.2.0	MIT	https://github.com/aterrien/jquery-Knob
jQuery lightBox plugin	0.5	CC BY-ND 2.5	
jQuery Mobile	1.3	MIT	http://jquerymobile.com/
jQuery Template Plugin	1.0.0pre	MIT	https://github.com/BorisMoore/jquery-tmpl/
jQuery Title Alert	0.7	MIT	https://github.com/heyman/jquery-titlealert
jQuery UI	1.8.21	MIT	http://jqueryui.com/
jQuery Validation Plugin	1.9.0	MIT	http://jqueryvalidation.org/
jQuery Masonry	2.1.05	MIT	http://masonry.desandro.com/index.html
jQuery File Upload Plugin	5.4.4	MIT	https://github.com/blueimp/jQuery-File-Upload
jQuery-Mobile-DateBox	1.0.1	CC 3.0	https://github.com/jtsage/jquery-mobile-datebox
jQueryUI(CSS Framework)	1.8.16	MIT	http://jqueryui.com/
JSON.simple	1.1	ASL	http://code.google.com/p/json-simple/
JSONIC	1.2.11	ASL	http://jsonic.sourceforge.jp/
jsTree	1.0-rc3	MIT	http://www.jstree.com
juniversalchardet	1.0.3	MPL	http://code.google.com/p/juniversalchardet/
LightBox2	2.51	CC BY 2.5	http://lokeshdhakar.com/projects/lightbox2/
Logback	1.0.13	LGPL	http://logback.qos.ch/
Metro	1.5	CDDL	https://metro.java.net/
Mime Type Detection Utility	2.1.3	ASL	http://sourceforge.net/projects/mime-util/
Mirage	1.1.5	ASL	http://amateras.sourceforge.jp/site/mirage/welcome.html
Mobiscroll	2.0.1/2.0.0	MIT	http://mobiscroll.com/
MyBatis	2.3.5	ASL	http://mybatis.org/
Netbeans Utilities API	7.10.1.1	CDDL	https://netbeans.org/index.html
Netbeans Visual Library API	2.9.1	CDDL	https://netbeans.org/index.html
OGNL	2.7.3	ASL	http://commons.apache.org/proper/commons-ognl/index.html
Open-jACOB Draw2D	0.9.21	LGPL	http://draw2d.org/draw2d/
OpenPortal Portlet Container	2.0.0	CDDL	https://portlet-container.java.net/
OpenPortal Wsrp	1.0	CDDL	https://wsrp.java.net/
Apache PDFBox	1.6.0	ASL	http://pdfbox.apache.org/
Apache POI	3.2, 3.7, 3.8, 3.9	ASL	http://poi.apache.org/
Prototype.js	1.7	MIT	http://prototypejs.org/

Third-Party	Version	License	URL
Quartz	2.1.7	ASL	http://quartz-scheduler.org/
Rhino	1.7R4	MPL2.0	https://developer.mozilla.org/en-US/docs/Mozilla/Projects/Rhino
S2Container	2.4.45	ASL	http://s2container.seasar.org/2.4/ja/
S2Container Tiger	2.4.45	ASL	http://s2container.seasar.org/2.4/ja/
S2Dao	1.0.51	ASL	http://s2dao.seasar.org/ja/index.html
S2Dao Tiger	1.0.51	ASL	http://s2dao.seasar.org/ja/index.html
S2Util	0.0.1	ASL	http://s2util.sandbox.seasar.org/
SAStruts	1.0.4.sp9	ASL	http://sastruts.seasar.org/
script.aculo.us	1.8.2, 1.9.0	MIT	http://script.aculo.us/
SimpleCaptcha	1.1.1	BSD	http://simplecaptcha.sourceforge.net/
SLF4J	1.7.5	MIT	http://www.slf4j.org/
Spiffy Framework	0.0.5	ASL	http://spiffyframework.sourceforge.net/
Spring Framework	3.2.4.RELEASE	ASL	http://projects.spring.io/spring-framework/
Spring Data Commons	1.5.2.RELEASE	ASL	https://github.com/spring-projects/spring-data-commons
Spring Data JPA	1.3.4.RELEASE	ASL	http://projects.spring.io/spring-data-jpa/
Super CSV	1.5.2	ASL	http://supercsv.sourceforge.net/
TERASOLUNA Global Framework	1.0.0.RELEASE	ASL	http://terasoluna.org/
The Cassandra Thrift API	1.1.0	ASL	http://cassandra.apache.org/
Thumbnailator	0.4.2	MIT	http://code.google.com/p/thumbnailator/
TinyMCE	3.2.7, 3.5.8	LGPL	http://www.tinymce.com/
waffle	1.7	EPL	https://github.com/dblock/waffle
Woodstox	3.2.4	ASL	http://woodstox.codehaus.org/
Xalan-Java	2.7.0	ASL	http://xalan.apache.org/old/xalan-j/index.html
XStream	1.3.1	BSD	http://xstream.codehaus.org/
Xilinus Prototype Portal Class	1.1	MIT	http://xilinus.com/
YUI	2.8.0r4, 2.9.0	BSD	http://yuilibary.com
LESS	1.3.3	ASL	http://lesscss.org/
LESS Engine	1.3.3	ASL	http://www.asual.com/lesscss/

Limitations

Web Application Server

Resin

If cluster is built by Resin, license is necessary.

- In order to build a cluster by Resin, license registration would be necessary.
You cannot build a cluster by Resin using the Trial version whose license has not been registered.

There are remarks about Resin.

- intra-mart Accel Platform supports Resin, which is packaged as follows.
zip
tar.gz
<*> Environment which is installed by deb package or rpm package is not supported.

In case Resin is used for Web Application Server, verification using XA data source is not provided.

- At present in case Resin is used for Web Application Server, verification using XA data source is not provided.

WebSphere Application Server

Please specify the same database and tenant database in WebSphere Application Server 8.5.5.

- If you set different connection destinations (by separating schemas etc.) between system data source and tenant data source, exception will occur.
Control by 2Phase Commit would be necessary.

For the present, we have not verified the use of XA data source, if WebSphere Application Server is used as an application server.

If session timeout occurs in WebSphere Application Server 8.5.5, it transitions to the system error screen.

- If session timeout occurs, It does not transition to the session timeout error screen. It will transition to system error screen.

Only 1 tenant can be created on WebSphere Application Server 8.5.5.

- Multiple tenants by virtual tenants cannot be created on WebSphere Application Server 8.5.5.

Oracle WebLogic Server

Database error may occur when the application is stopped in Oracle WebLogic Server 12c (12.1.1).

- Oracle WebLogic Server 12c (12.1.1) has a defect in which access to the data source is not possible when the application is stopped.
Therefore, database error may occur when intra-mart Accel Platform is stopped.

Even if the database error occurs when the application is stopped, system operation will not be affected

Please specify the same database for system database and tenant database in Oracle WebLogic Server 12c (12.1.1).

- If you set different connection destinations to system data source and tenant data source (e.g. separating schema's), exception will occur.
Control by 2Phase Commit would be needed.

At present we have not verified the use of XA data source when Oracle WebLogic Server 12c (12.1.1) is used as an application server.

Only 1 tenant can be created on Oracle WebLogic Server 12c (12.1.1).

- On Oracle WebLogic Server 12c (12.1.1) it is not possible to create multiple tenants by virtual tenants.

Platform Functions

Setup / Environment Build

There are remarks when building intra-mart Accel Platform as a distributed system.

- System clock on every server OS should have the same time.
If the time is significantly wrong or if each system clock for each server OS has different time, application and each server process may not function properly.
In case IMBox is used, clock on the server that runs Apache Cassandra should have the same time with clocks on the server that runs intra-mart Accel Platform.

Please use the single JDK version (and revision) for every server process.
For every server process, please use JDK that is provided by a single vendor.

Deployment process of war file may take time depending on the hardware specifications.

- When war file is deployed on the application server, it takes time to do the file deployment process. Actual time required depends on the hardware specifications.

There are remarks for users connecting intra-mart Accel Platform to SystemDatabase, TenantDatabase, and SharedDatabase.

- With regard to database connection, when you use the API related to SystemDatabase, TenantDatabase, and SharedDatabase, some functions on the operations of schema which are other than the default schema linked to the connection users of SystemDatabase, TenantDatabase, and SharedDatabase do not function properly. In case intra-mart Accel Platform is used, please always use the default schema that is linked to the database connection users.

Screen will not be displayed correctly unless you select one or more screen themes.

- In case screen is accessed by Web browser on intra-mart Accel Platform, there are some items to be noted in building the environment.

In case war file is generated by IM-Juggling, you need to select one or more screen themes. Screen will not be correctly displayed if no screen theme has been selected.

If IM-Mobile Framework module has not been selected in IM-Juggling, please select one or more screen themes from the list below :

- "intra-mart Accel Platform Standard Theme"
- "intra-mart WebPlatform ver6.x Wind Theme"
- "intra-mart BaseModule ver5.x Wind Theme"

If IM-Mobile Framework module has been selected in IM-Juggling, please select one or more screen themes listed above, and also select "intra-mart Accel Platform Standard Theme for smart phones".

Trial Version (product for trial use) cannot be installed in operating environment.

- You are not supposed to install and use the trial version product in the operation environment. If you do that, unexpected result may be caused.

If the time to session timeout is short when setting up the tenant environment, 404 error will occur when the process is completed.

- When you do the tenant environment setup or sample data setup, if the time to session timeout (session-timeout) which is set in resin-web.xml is short (e.g. 1 minute), transition to the 404 error screen will be caused after the completion of setup. Please make the time to session timeout longer only when building the environment as above (time to be set depends on environment).
<*> Session auto-keep function cannot be used to circumvent this phenomenon. Session auto-keep function is not available for system management function, because theme is not applied.

When intra-mart Accel Platform is started, it is assumed that Database has been already started.

- When you start intra-mart Accel Platform, Database should have been started in advance.

Compile option would be needed if intra-mart Accel Platform is built in 64-bit environment.

- As an option to compile mod_caucho, following option is required when ./configure is called.

```
--enable-64bit-plugin --enable-64bit
```

Operation in the mixed Windows/Linux environment is not possible.

- When you build the distributed environment in which intra-mart Accel Platform works, operation under the mixed Windows/Linux environment is not possible.

Path of the shared directory which Storage refers to should be the same.

- When you build the distributed environment, it is necessary that the path specified as root directory of Storage all refer to the same shared directory. If each server has different reference destinations, files that are placed in Storage cannot be shared.

[Target Setting File]

```
<CONTEXT_PAHT>/WEB-INF/conf/storage-config.xml
```

There are remarks about IM-Juggling.

- Only Japanese, Chinese (zh_CN), and English are available for OS.

User module cannot be placed directly in the modules folder of IM-Juggling.

- User modules should always be added from within the juggling.im file editor (configuration editor).

Setting File and your own program should be set on IM-Juggling and created as WAR files.

- Setting file and your own program cannot be directly placed on the deploy destinations. Please always set them on IM-Juggling, and generate them as WAR files.

It is required to do the operation after all the tenant environment setups are completed.

- Tenant environment setup would be required not only at the initial start up of intra-mart Accel Platform, but also at the time of module addition or version update.

Before you start the system operation, you need to log-in as a system administrator, click [System Administrator Home] > [Tenant Environment Setup], and confirm that the message "Tenant Environment is the latest. No module need to be set up." is displayed.

If there exist modules that need tenant environment setup, prerequisites for operating the modules are not yet met, and unexpected result may be generated.

Environment which is built with the own certificate is outside the scope of warranty.

- Environment which is built with the own certificate is outside the scope of warranty. (example) You cannot do the file download on the smart phone version.

If integrated Windows authentication is enabled in Internet Information Services (IIS), Web service cannot be used.

- If integrated Windows authentication is enabled in Internet Information Services (IIS), Web service through Internet Information Services (IIS) will not be available.

If integrated Windows authentication is enabled, linkage function to external software cannot be used.

- Linkage function to external software has been made available in the integrated Windows environment from intra-mart Accel Platform 2014 Spring. Please refer to the Setup Guide for details. This is limited when it is completed by 1 request. It is not possible to make 2 or more requests by generating the URL to access script development by the external software linkage function and then accessing the URL.

There is only 1 tenant that is resolved by integrated Windows authentication.

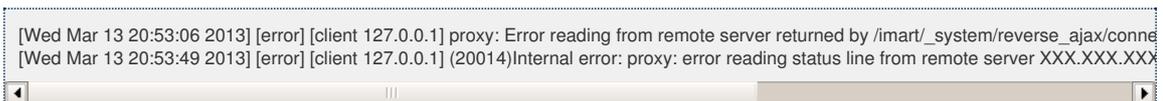
- There is only one tenant that is resolved by integrated Windows authentication. Integrated Windows authentication cannot be made by multiple tenants. Moreover, in the integrated Windows authentication environment, operations listed below are not possible on one application server.
 - Deploy and operate 2 types of WAR files (there are 2 or more tenants in total).
 - Create and operate 2 or more virtual tenants (there are 2 or more tenants in total).

Character code which is used in intra-mart Accel Platform is UTF-8 only.

- Available character code is UTF-8.

Error log is generated if mod_proxy is used.

- Error log which is related to comet is generated to apache error log.



```
[Wed Mar 13 20:53:06 2013] [error] [client 127.0.0.1] proxy: Error reading from remote server returned by /imart/_system/reverse_ajax/conne
[Wed Mar 13 20:53:49 2013] [error] [client 127.0.0.1] (20014)Internal error: proxy: error reading status line from remote server XXX.XXX.XXX
```

This will not impact the operation.

If reverse proxy function such as mod_proxy or load balancer is used, it is necessary to always include the context root of AP server in the request.

- If reverse proxy function such as mod_proxy or load balancer is used, please make sure that you include the context root of AP server in the request.

[example]

If AP server side is `http://myapp/imart`, make the request URL to `http://myweb/imart`.

Please do not delete the tenant master related material provided by intra-mart Accel Platform.

- Please do not delete the tenant master related material provided by intra-mart Accel Platform.

Tenant master related material that you are not allowed to delete are as follows :

- Job
 - Job Category
 - Job
 - Job Net Category
 - Job Net
- Authorization
 - Authorization Resource, Authorization Resource Group
 - Authorization Subject, Authorization Subject Group, Authorization Subject Group Category
- Menu
 - Menu Group Category (category such as Global Navigation (PC) and Site Map (PC) etc.)
- Role

If the tenant master related material provided by intra-mart Accel Platform is deleted, tenant environment set up may not function properly.

In the intra-mart product, operation may be made to the tenant master related material when it is updated.

Therefore, if there is an update that involves operation to the tenant master related material that does not exist, tenant environment set up will fail.

Please do not delete the tenant master related material which is installed as standard.

If tenant environment setup is made before tenant information setting is done, it will be outside the guarantee.

- When you set up tenant environment using API, please first do the setting of tenant information. In this case, please make sure that you set the locale and time-zone ID of tenant information. Please set the locale that exists in the locale master to the locale. Please set the time-zone ID that exists in the time-zone master to the time-zone ID.

In case tenant auto resolution function utilizing request information is used, error may occur if the access is made by the request resolved as non existing tenant.

- In case tenant auto resolution function utilizing request information is used, error may occur if the access is made by the request resolved as non existing tenant.

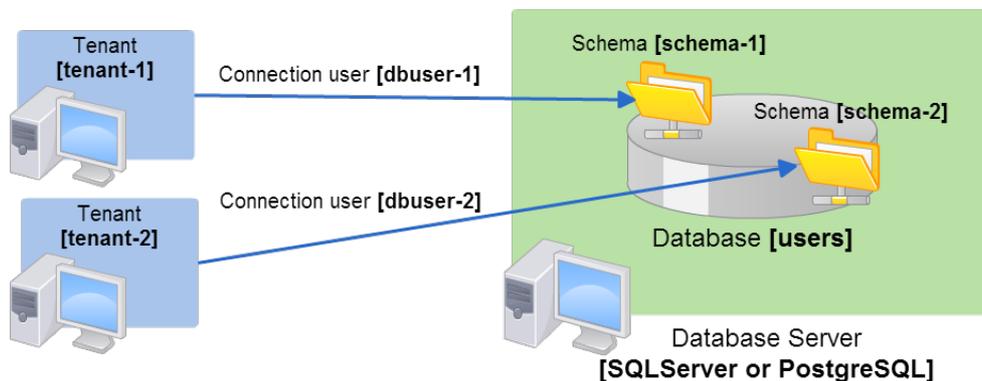
By the “request resolved as non existing tenant”, it means for example that the environment that implements tenant ID resolution from subdomain is accessed by the URL of the subdomain resolved as non existing tenant.

If the screen of general users is accessed under this situation, error may be generated when accessing tenant information depending on the functions.

If the screen of general users is accessed under this situation, error may be generated when accessing tenant information depending on the functions.

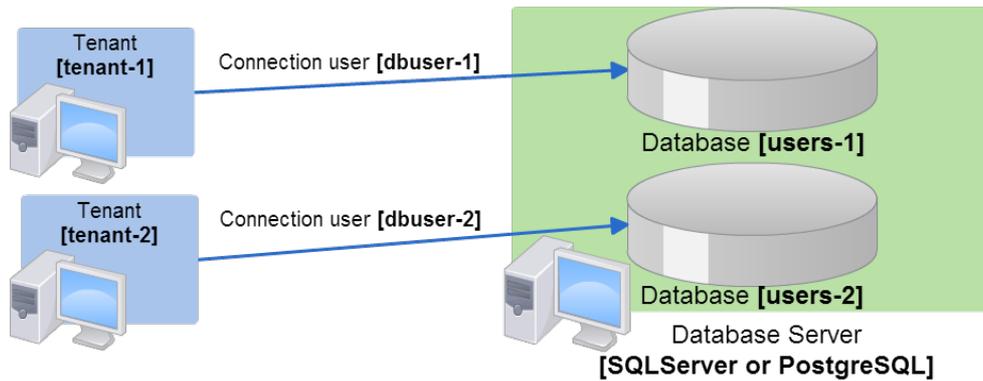
You are not allowed to create multiple schemas in the database for use by multiple tenants.

- It is not allowed to create the environment as below:
[*] This applies only when SQLServer or PostgreSQL is used.



Tenant	Database User used for Connection	Database to be used	Schema to be connected
Tenant [tenant-1]	Connection User [dbuser-1]	Database [users]	Schema [schema-1]
Tenant [tenant-2]	Connection User [dbuser-2]	Database [users]	Schema [schema-2]

In case you build multiple tenants, please build them for each database connected and not for each schema. Additionally, we recommended to separate instances for the performance reason in the production environment.



Tenant	Database User used for Connection	Database to be used
Tenant [tenant-1]	Connection User [dbuser-1]	Database [users-1]
Tenant [tenant-2]	Connection User [dbuser-2]	Database [users-2]

Common

Maximum length of key name available for PermanentData and SharedMemory depends on the file system.

- o Escape process is made against the file names on Storage which are used by PermanentData and SharedMemory.
 - o Separate prefix is internally added to each of getInstance and entry argument. (for the support of blank character key or coexistence of folder/file)
 - o Every character is converted at locations where it is handled same as character string. (for the support of non-permitted character string for file name and file system dependency)

Since the key name used for the escape process is to be used as a file name as it is, maximum length of key name depends on the maximum length of file name on that file system.

If error page is customized, error page will be displayed in the IFRAME of IFRAME re-director.

- o If you, for example, customize http404.jsp, global navigation will remain displayed if error should occur in the IFRAME re-director.

Situation above could be avoided as follows.

Set the URL of error page itself to DOM element #im_error_url of customized error page.

If the data format for inputting account context is changed, date related process may not be performed correctly.

- o Date format for inputting account context should not be changed in the middle of some process. If it is changed, date related process may not be performed correctly.

departmentByCompany and postByCompany in the user context may become undefined.

- o Conversion of departmentByCompany and postByCompany will fail in the following cases.
 - o return value of UserContext when "-" is used for companyCd.
 - o "-" is used at the top of company code which becomes the numeric value.

If log is generated at DEBUG level, account password may possibly be written.

- o If log is generated at DEBUG level, account information including password may be generated to the log when the account information is added, updated, or deleted. Please be aware that log output at DEBUG level is for the development purpose, and the log level should be INFO or higher in the environment other than development.

On some search screens capital letter and small letter are handled separately during search.

- o On some screens capital letter and small letter are handled separately for keyword search. Screens below are of this type.
 - o Authorization Setting Screen

For example, if the data is registered as "IFRAME" name, search for "iframe" does not hit this data.

If you access small letter URL with capital letters in Windows environment, invalid actions may result.

- In Windows environment capital letters and small letters for URL may not be differentiated depending on the setting of Web Application Server.
 Since the URL path of intra-mart Accel Platform is basically defined in small letters, URL entry in capital letters may cause abnormal operations.

It is strongly recommended not to directly update or delete data without using API.

- In case data in the table is directly updated or deleted without using API, we do not guarantee for the screens and API behaviors thereafter.

Session management by URL cannot be used.

- intra-mart Accel Platform does not support session management method by URL rewriting.
 Please always use Cookie for session management.

It is necessary that account and profile are synchronized.

- If you create the data with only the account or only the profile, maintenance may not work or abnormal operation may result.
 Please make sure they are synchronized.

If setting for database log is made, error level log is generated when it is launched.

- If setting for database log is made, error level log is generated at start time, but it does not present any problem.
 Database log is now classified as deprecated.
 It is strongly recommended to use the log tool etc., which are suited for the Database in use.

```

<!--
- Parameter for intra-mart only
-->
<intra-mart>
  <database>
    <log sqlparam="false" isEnabledMode="CALLER_CLASS_NAME" />
  </database>
  .
  .
  .
    
```



Note

Log generated at start time

[12-10-01 00:00:00.000] {main} !!!! Please check your LOGBACK configuration file !!!!

“%28” (encoded “(”) cannot be used for URL.

- If you specify “%28” (encoded “(”) in URL, error log will be generated.

There are limitations about script development model.

- If you make the object permanent by using the APIs below, its contents cannot be directly obtained by Java API.
 - Client#set
 - Permanent#set
 - Cache#set
 - Module#external#set

If zip file is generated by Archiver4Storage, unzip operation may not be performed correctly because of different delimiter characters by OS.

- If zip file is generated using Archiver4Storage in Windows environment and at the same time in environment of Version7.2 or earlier, it cannot be unzipped correctly when unzipped in Linux/Unix environment.

In case Base URL is explicitly set, log-in will fail if it is accessed by the URL other than the Base URL which is set.

- Base URL can be set for each tenant and for each system unit.
 (Function to set Base URL for each tenant is available from intra-mart Accel Platform 2014 Spring(Granada).)
 If Base URL is set, links on the screen or screen transitions are based on the Base URL.

If the access is made by other than the Base URL which is set, the screen is displayed normally. However, if the screen transitions thereafter, it is accessed by the URL based on the Base URL.

If the URL which was accessed initially and Base URL are in different domains, session cannot be maintained, because the base domains of Cookie are different.
 Consequently, unexpected error might happen.

Concrete examples of errors are shown below.

Log-in screen can be accessed by the following URLs in local environment.

- `http://localhost:8080/imart/login`
- `http://127.0.0.1:8080/imart/login`
- `http://<IP Address>:8080/imart/login`
- Others

In case Base URL and the URL accessed are different, log-in screen itself will be normally displayed.

If you execute log-in, checking by SecureToken takes place. However, since the session information cannot be accessed, authorization error (HTTP403) will result.

If you come across with the situation in which you cannot log-in by authority error, please check the Base URL.

In case date/time of summer time is used in script development model, conversion of date object (Date) to character string is not performed accurately.

- If the Date instance of JavaScript meets all the conditions below, conversion from the Date instance to the date character string is not performed correctly (one hour difference will result.)
 1. Date is in 1970 or before.
 2. It is in the summer time period of default time zone of JavaVM in which Web Application Server is running.

<*> This symptom is due to the specifications of script development model engine (Rhino).

As an example, please assume that the date/time data of system time zone is converted to the user time zone and is reformatted to the date/time character string in a specified format (example : [yyyy/MM/dd HH:mm:ss] format).

If the code below is executed when the time zone of Web Application Server is JST (Japan Standard Time),

```
var date = new Date(1948, 7, 1, 0, 0, 0);
var dateString = DateTimeFormatter.format('yyyy/MM/dd HH:mm:ss', date);
Debug.browse(date.toString(), dateString);
```

result of execution would be as follows :

1. `date.toString()` → Sun Aug 01 1948 00:00:00 GMT+0900 (JST)
2. `dateString` → 1948/08/01 01:00:00

If you need to implement a time-zone conscious application program, you should handle the date/time information using DateTime API.

By using the DateTime API you can convert the date/time to the correct character string.

```
var systemTimeZone = SystemTimeZone.getDefaultTimeZone().data;
var dateTimeSystemTZ = new DateTime(1948, 7, 1, 0, 0, 0, systemTimeZone);
var dateTimeUserTZ = dateTimeSystemTZ.withTimeZone(Contexts.getAccountContext().timeZone).data;
var dateString = DateTimeFormatter.format('yyyy/MM/dd HH:mm:ss', dateTimeUserTZ);
Debug.browse(dateString);
```

Result of execution would be as follows.

1. `dateString` → 1948/08/01 00:00:00

Please be aware that "Programming Samples for Internationalization" is provided in "Script Development Model Programming Guide" and "SAStruts+S2JDBC Programming Guide" for you to refer to.

If your operation does not need to be time-zone conscious, situation as above can be avoided by making the following settings.

- Add time-zone ID in Etc/GMT format to the time-zone master.

Open WEB-INF/conf/time-zone-config/im-time-zone-config.xml, and add time-zone-id tag.

Please refer to Setup File Reference for time-zone master.

```
<time-zone-config>
  <time-zone-id>Etc/GMT-9</time-zone-id>
</time-zone-config>
```

- Set time-zone ID in Etc/GMT format to the system property "user.timezone" of JavaVM on which Web Application Server is running.

In case of Resin, open <%RESIN_HOME%/conf/resin.properties>, and set "-Duser.timezone" to "jvm_args" property.

```
# Arg passed directly to the JVM
jvm_args : -Xmx1024m -XX:MaxPermSize=256m -Duser.timezone=Etc/GMT-9
```

- Change tenant time-zone to the time-zone ID in Etc/GMT format.

Change the value of time_zone_id in im_tenant_info table of system database to Etc/GMT-9.
Or you can change the value on the tenant time-zone change screen in tenant management function.
(select GMT+09:00).

- Change time-zone of every user to time-zone ID in Etc/GMT format or to undefined.
User time zone can be set by directly changing the database value too.
Specifically, change the value of time_zone_id in b_m_account_b table of tenant database to null or Etc/GMT-9.

Prefix of table name will be a reserved word of intra-mart Accel Platform.

- Following table names cannot be used as a prefix.
 - b_m_*
 - b_vc_*
 - bk_imm_*
 - im_*
 - imaz_*
 - imjob_*
 - imm_*
 - imw_*

If multiple tenants are built by WAR file, it is recommended to separate the database for connection by each instance.

- If multiple tenants are built by WAR file, it is recommended to separate the database for connection by each instance.

It should conform to the specifications and limitations of various Database and JDBC drivers.

- It should conform to the specifications and limitations of various database and JDBC drivers.

For example as an issuing SQL,
in case of SQLServer maximum number of placeholders that can be specified (use of PreparedStatement) is 2100.
You can specify up to 1000 IN phrases in Oracle.

It is always necessary to have 1 layer path for URL at which intra-mart Accel Platform is operated.

- You must set the 1 layer path such as *http://host/almart* for URL at which intra-mart Accel Platform is operated.
It is necessary to set the 1 layer path not only for the server on which intra-mart Accel Platform operates, but also for the path viewed from the client (browser) side.

Example :

/almart will work. We do not guarantee the operations if it is used with the path like */foo/almart* or */*.

If UI tag is stated in the Loop process in JSP, the value specified by the literal may become effective only for the first one time.

- If UI tag is stated in the loop process in JSP, the value specified in the literal would possibly become effective for the first one time only.

[Condition]

UI tag which specified the literal in `<almart:repeat/>` or `<almart:loop/>` is specified.

```
(example)
<%
String id = "#";
String prefix = "c";
%>
<almart:loop count="5" index="loop_number">
  <input type="text" id="<%= prefix + loop_number %>" />
  <im:calendar floatable="true" altField="<%= id + prefix + loop_number %>" showButtonPanel="true" />
</almart:loop>
```

In the case above, floatable will be true only for the first one time, and it becomes the default false state for the second and subsequent times.

[Circumvention]

Please specify as parameter and not as literal.

(example)

```

<%
String id = "#";
String prefix = "c";
String floatable = "true";
%>
<imart:loop count="5" index="loop_number">
  <input type="text" id="<%= prefix + loop_number %>" />
  <im:calendar floatable="<%= floatable %>" altField="<%= id + prefix + loop_number %>" showButtonPanel="true" />
</imart:loop>

```

Styles or APIs that are not published may be deleted without advance notice.

- Please do not use unpublished styles or APIs.

You should not use the styles or APIs that have not been published in the API List or other document. They may be deleted without notice, and we do not guarantee for any problems when you are using them.

System Management

Some user codes are not available for use, because they are reserved by system.

- Following user codes are reserved by the system and cannot be used.
 - anonymous : unauthenticated user
 - system : execution user in tenant initial setting
 - im_job : job net execution user

System Administrator can access all screens.

- System administrator can access all screens and therefore can access screens of general users. However, since some of these screens do not assume access by system administrator, screen display or update process may fail. System administrator is supposed to do only those operations that can be accessed from home screen.

Error will occur on the following screens.

- Locale Setting (for general users)
When displayed, [HTTP 500 : Servlet Exception] occurs.
- Password Setting
Can be displayed. However, error will occur at the time of update.

User code of system administrator should not overlap with the user code of general users.

- If there is an overlap, data mismatch may occur when the system administrator uses several functions for general users. For example, user code when outputting log may become ambiguous, or my menu and personal setting may become shared between system administrator and general users.

If you click [Return to Home Screen] on system administrator's authority error screen, you may transition to the home screen of general users.

- With the limitation [*If you leave the log-in screen with no action for a while, log-in cannot be made.*], transition to authorization error screen will result, if you leave the log-in screen of system administrator with no action for a while. In this case since the log-in was not made by the system administrator, clicking [Return to Home Screen] on the Authority Error Screen will result in the transition to home screen of general users.

Authentication Functions

URL of the screen intended for display in IFRAME cannot be set in the authentication confirmation screen.

- URL of the screen intended for display in IFRAME should not be set to the authentication confirmation screen. If the URL of the screen intended for display in IFRAME becomes the target screen for authentication confirmation, authentication confirmation screen will be displayed inside the IFRAME. Normal screen will be displayed if the authentication confirmation is successful. However, if it fails, IFRAME is deleted, because error screen occupies the entire Window. Therefore, even if the subsequent authentication confirmation is successful, screen will be of no-header theme.

Authentication confirmation screen may be displayed before process completion message is displayed.

- Explanation is given with [Shared Database Setting] as an example. Suppose we set the "time when authentication confirmation is again required" to [5 minutes]. When the process/screen transition as below takes place, and 5 minutes have elapsed from 1 to 4, authentication confirmation is again displayed at 4.

1. Click [New Registration] on [Shared Database List] screen.

2. Transition to [Shared Database Registration] screen.
3. Enter information on [Shared Database Registration] screen, and click [Register].
4. Transition to [Shared Database List] screen, and Process Successful dialog is displayed.

From the user's viewpoint (= by information displayed on the screen only), process is not completed yet, since the process successful screen has not been displayed yet.

It would be wrong to display the authentication confirmation screen before the process is completed.

However, since the process failure or information loss would not happen, there would be no operational problem.

If you leave the log-in screen with no action for a while, log-in cannot be made.

- If the session timeout occurs after opening the log-in screen, log-in will always fail. Log-in screen saves the secure token to the session, and authentication process checks its validity. If session timeout occurs, secure token cannot be found and this phenomenon will be observed.

Please do either one of the following to circumvent this phenomenon.

- Please display the log-in screen again.
- For the setting information, please refer to [\[Setup Guide \]-\[In case Auto Log-in Function is used\]](#).

If password expiration change screen is accessed directly, inappropriate message will be displayed.

- If the log-in user directly accesses the URL below, password expiration change screen will be displayed.
 - `http://<HOST>:<PORT>/<CONTEXT_PATH>/user/password/expire`

If you enter the password and click [Change], password will be changed normally.

Once this screen is accessed, it will be in the log-out status.

Although following messages are displayed on the screen, password validity has not actually expired.

- [Password validity period has expired.]
- [This is the initial Log-in.] (in case of initial log-in).

There are remarks about SSO (SingleSignOn) environment.

- In case intra-mart Accel Platform is operated in SSO environment, log-in operation from the log-in screen of intra-mart Accel Platform is not supported.

Although log-in screen is displayed, automatic log-in for the user specified by SSO is performed regardless of which user logged in from the log-in screen.

In SSO environment automatic log-in is performed for any URL, and therefore there is no need to use the log-in screen.

InvalidClassException error may occur when the screen is accessed.

- If you are operating the war at 2012 Winter or before, and if the session is made permanent by session failover etc., following error will occur when the screen is displayed after updating the war to 2013 Spring version or later.

```
java.io.InvalidClassException: jp.co.intra_mart.system.security.certification.sso.SSOContextCachingStrategyAdapterImpl; local
```

This phenomenon could be avoided by recreating the session once by session timeout or log-out.

When the tenant auto resolution function utilizing request information is enabled, access may not be possible if the log-in by system administrator fails.

- When all the conditions below are met, HTTP500 error is generated if the log-in by system administrator fails.
 - Tenant auto resolution function utilizing request information is enabled.
 - Tenant ID mandatory check is enabled.
 - System administrator log-in screen is accessed utilizing the URL where tenant auto resolution is not available.

If this symptom occurs, the button for returning to the log-in screen will not be displayed.

If this symptom occurs, please display the log-in screen again.

If all the conditions below are met and if the log-in by the system administrator fails, transition to the authentication error screen takes place normally. However, the second log-in will fail.

(If you click [Return to Log-in Screen] and transition to log-in screen, request URL is changed, and therefore HTTP403 error occurs at log-in time.)

- Tenant auto resolution function utilizing request information is enabled.
- Tenant ID mandatory check is disabled.
- Base URL which is set in server-context-config.xml and Base URL which is set in default tenant are different.
- System administrator log-in screen is accessed by utilizing Base URL which is set in server-context-config.xml.

In case this symptom occurs, please display the log-in screen again by utilizing the Base URL which is set in server-context-config.xml.

For your information, two symptoms stated above will not occur if correct user code and password are entered.

In case integrated Windows authentication is used, authentication dialog may be displayed on the system management screen.

- This symptom is caused, because the browser sends the request to URL other than the system management function (URL other than /system/) by Ajax communication such as imuiListTable.
If the authentication dialog is displayed, please enter the user and password for the Windows log-in user for the device in use.

Some authentication processes are outside the scope of double login prevention function.

- Authentication processed that utilize the functions below are outside the scope of double login prevention function. Therefore, log-in can be made successfully even if the user has logged in already.
 - Forced Login (Shortcut URL etc.)
 - IM-SecureSignOn
 - LDAP Authentication
 - Web Service
 - External Software Linkage

Double login check may not be performed correctly, if the same user logs in from multiple browsers at the same time.

- Since the login session information is registered only after the execution of login process, double login check may not catch the double login correctly, if the login processes are made from multiple browsers at the same time.

Login may fail during Integrated Windows Authentication.

- Since Windows user code is not uppercase/lowercase sensitive, user code which is returned by Integrated Windows Authentication will have undefined uppercase/lowercase characters.
intra-mart Accel Platform checks the uppercase/lowercase characters of user code, and therefore login may fail resulting in HTTP 500 error.

Client Browser

Common

If you do the reload while getting data in Ajax communication, error may occur.

- If you do the reload while getting data in Ajax communication, error message may be temporarily displayed on the screen.
 - Session timeout error message may be pop-up displayed.
 - Message "Error.error" may be displayed.

There is no practical problem, because data will be displayed eventually.

Input form and search condition input form may be displayed differently depending on the browser.

- With regard to the horizontal bar of header in the input form (imui-form) and search condition input form (imui-form-search-condition), the line is shown beside the th tag on Chrome / Internet Explorer 9 / Safari.
It is not displayed on Internet Explorer 8.

If you display the tree screen from the menu, memory leak will occur at the client side.

- In case the version5.0 theme or version6.0 theme has been set, memory leak may occur at the client side when the tree screen is displayed from menu.

Circumvention below is available.

Please release the memory by closing the browser (this is not a leak on the server side).

Please disable the pop-up block on browser.

- Correct information may not be passed or received if pop-up is blocked.
Please disable the pop-up block.

Screen behavior may be sometimes incorrect because of the browser cache.

- If the screen is corrupted or shows unexpected behavior, please delete all the caches of browser and execute it again.

Horizontal scroll may happen on some particular theme.

- If version 6.0 theme is used, horizontal scroll may happen on some screens.

Browser will get slower if you write huge volume of text to imuiRichtextbox.

- If you put too much character string to the text area of imuiRichtextbox, browser may freeze. When text is written, imuiRichtextbox will internally create ornament tag, and so rendering on the browser consumes more time as the volume of text grows. If this symptom occurs, please re-open the browser and retry the operation.

With regard to UI components in general, if you specify a character string that starts with “%” for an internationalized attribute, it will be displayed as “undefined”.

- With regard to UI components in general, if you specify a character string that starts with “%” for an internationalized attribute, it will be displayed as undefined. For example, if you specify “%hoge” for the value attribute of imuiButton, the label of the displayed button will be “undefined”.

We do not guarantee the operation of “Back” button which is a standard browser function.

- If the “Back” button which is the standard function of browser is used for screen transition, operations after the transition will not be guaranteed. Error screen or unexpected behavior may result.

If you combine the resizable components, resize start position of outside component will have some limitations.

- If the resize start position of component specified inside and the resize start position of component specified outside are the same, you cannot do the resize operation on the outside component. For example, if there is imuiGadgetBar inside the imuiDialog, and the resize start position of imuiGadgetBar is on the right, you cannot resize imuiDialog from the right.

This will apply to the following components as of 2013 Spring.

- imuiDialog
- imuiPageDialog
- imuiGadgetBar

We do not guarantee the operation if the same type of browsers are used in multiple number or on multiple tabs on the same computer.

- intra-mart Accel Platform performs session management using the Cookie of browser. Therefore, if the same type of browsers are used in multiple number or on multiple browsers on the same computer, we do not guarantee the operation.

[In case of operations by system administrator]

If you open and operate on multiple tabs in the environment where there are multiple tenants, operator may unintentionally update the wrong tenant.

This is because the operator may not notice about the change on other tab on the browser, if the change is made to the target tenant.

[In case of IM-Workflow]

Same user cannot operate on multiple browsers or on multiple tabs for the reasons below :

- Directory for the temporary upload of attachment file is provided for each user.
- User data IDs may duplicate depending on the operation patterns.

Operation patterns (examples) this symptom is observed are as follows :

a) Pattern 1

- Same temporary save screen is opened by multiple browsers.
- Apply first by one browser.
- Temporary save later by another browser.

b) Pattern 2

- Do the log-inoperation with the same user ID on another PC.

c) Pattern 3

- After applying from temporary save, transition to the temporary save screen by the browser back, and apply.

User data ID is an item you can set arbitrary value in your application program.

In order to secure the setting flexibility, only the 1:1 mapping is allowed for the linkage between user data ID and the matter.

Therefore, it is not possible for the current IM-Workflow to tell from the business viewpoint if the duplicate user data IDs for the matter came from invalid operations.

Please do the checking by the action processes or other in the user program if you need to secure the uniqueness of user data ID.

If you drag the tab with CLOSE icon, layout may be corrupted.

- While using the imuiTabs and imui:tabs of UI components, layout may be corrupted only while you drag if you try to change the sequence of tabs having the CLOSE icon.

ListTable display in the sub-role search dialog on role registration screen will be changed.

- On the role registration screen of [Tenant Management]—[Role] screen, the width of ListTable in the role search dialog which is displayed by the [Search Sub-Role and Add] link may not match with the size of dialog.

Display of layout may be corrupted depending on the browser type.

- On the tags provided by intra-mart Accel Platform or on screens that use these tags, display of layout may be corrupted depending on the browser in use.

[[In case of IMBoxの場合]]

On Internet Explorer 8, screen may be corrupted while editing messages.

On Internet Explorer 8, the frame of the input text field does not expand while you edit the reply message, which would cause the Edit Finish button to be hidden behind the element.

Display of layout may be corrupted depending on the browser, if compatibility theme is used.

- Tags provided by intra-mart Accel Platform or the screens that use these tags employ standard theme as a base. If compatibility theme is used, display of layout may be corrupted by the change of screen width.

You cannot send undefined or null as a parameter in imuiPageDialog.

- If you specify undefined or null for the parameter of imuiPageDialog, and send it by jQuery ajax, it is converted to the character string "undefined" or "null" when it is received by the server side.

Character size of message boxes placed under imuiAccordionItem will get smaller.

- Character size of imui-box-success, imui-box-information, imui-box-warning, and imui-box-caution placed under imuiAccordionItem will be displayed smaller.

If you place imuiDropdown under imuiAccordionItem, drop down menu will be displayed hidden under the accordion.

- If you display imuiDropdown placed under imuiAccordionItem, drop down menu is not displayed on the accordion item, and will be displayed hidden.

If you place imuiRichtextbox under imuiAccordion, display may be corrupted.

- If you place imuiRichtextbox under imuiAccordion, background color of the select box will not become white.

Size of imuiToggle cannot be changed by setting the style such as height and width.

- Size of imuiToggle cannot be changed by setting the style such as height and width.

If you implement the program to receive uploaded file by SAStruts, you may not be able to limit the upload by file size.

- In case you need to limit the upload by file size, struts-config.xml is specified as the maximum file size allowed for upload. However, sometimes the file bigger than this value could be uploaded. This happens when the value exceeds Integer.MAX_VALUE, and becomes smaller than -1 when it is casted from long to int.

If you specify the same name attribute to multiple input elements, imuiValidate will not work properly.

- If you specify the same name attribute to multiple input elements, imuiValidate will not work properly.

[Phenomenon]

Even if you specify the same name attribute to multiple input element, only the first element will be checked.

If the error occurs at the second or subsequent element, abnormal operation occurs such as error message being displayed against the first element or error message being blink displayed.

[Condition]

This happens when the same name attribute is specified to multiple input elements for using imuiValidate.

[Circumvention]

Different values should be specified to each name attribute.

If script tag is stated in imuiDialog, the process will be called twice during the loading.

- Since the script in the dialog is executed, the event at the load time will be executed twice. The code below, for example, calls the alert twice.

```

<imart type="imuiDialog">
  <script>
    $(function(){
      alert("sample");
    })
  </script>
  <span>dialog contents</span>
</imart>

```

On Internet Explorer 11 and Firefox ESR 24, dotted line is displayed when input[type="file"] button is focused.

- When input[type="file"] button is focused, a dotted line is displayed. Dotted line is not displayed when input[type="button"], input[type="submit"], input[type="reset"] button, or imuiButton is focused.

On Internet Explorer and Firefox ESR 24, focus will not move unless you hit the tab key twice after moving to the File Add button by the tab move of imuiFileUpload.

- Based on the specifications of input type="file", tab move is made to 2 elements ___ one for the text box which displays the file name and another for the reference button which displays the file selection dialog. Therefore, focus will not move by just a single tab move.

If you display the dialog with modal option set to true inside the dialog with modal option set to true again, event propagation will stop.

- If you display the dialog with modal option set to true inside the dialog which again sets modal option as true, event propagation will stop.

In the implementation shown below, click event for the check box stops, and the check mark of the check box will not be removed.

In such a case you need to change the status of the check box inside the callback function called by imuiConfirm button.

```

<imart type="imuiDialog" modal>
  <input type="checkbox" id="checkbox" checked/>
</imart>
<script>
$(document).ready(function() {
  $('#checkbox').on('click', function(event) {
    if ($('#checkbox').attr('checked')) {
      // imuiConfirm is a dialog with modal = true.
      imuiConfirm('confirm', 'Dialog', $.noop, $.noop);
    }
  });
});
</script>

```

CSS (Style Sheet) cannot be specified for optgroup attribute depending on the browser in use.

- CSS (Style Sheet) cannot be specified for optgroup attribute on Internet Explorer 9, 11, and Chrome. Depending on the types and versions of the browsers, it may be displayed in bold italic or bold.

If the display area of imuiTabItem is an element created by iframe, drag operation does not work properly.

- There are 2 different ways of combination with iframe :
 - in case there is a tab inside the iframe

When you drop the tab outside the iframe the tab looks like frozen. Even after you remove the mouse, the tab will remain in dragged state.

On Internet Explorer 8, tab does not return to the drag start position and will be sorted into an appropriate position once it is moved outside the iframe.
 - in case there is iframe inside the tab

When you drop the tab inside iframe, it will return to the drag start position.

On Internet Explorer 8, tab does not return to the drag start position and will be sorted into an appropriate position once it is moved outside the iframe.

Style of the characters entered in imuiRichtextbox may not be reflected depending on the font of the browser.

- For example, italic style of Meiryo font is supported only for English (single-byte alphabetic, numeric, and symbols). Therefore, if Meiryo is specified in the browser setting, double-byte characters such as those in Japanese will be displayed in standard style even if italic style is applied.

Flash screen sometimes does not work properly on Google Chrome.

- Google Chrome has some defects with the use of Flash. Following actions are necessary to circumvent the problem.
 - Disable the Flash built into Chrome by the plug-in setting (*about:plugins*) of Chrome.
 - Download and install Adobe Flash Player from the site below.
<http://get.adobe.com/jp/flashplayer/>

Internet Explorer

On Internet Explorer 8 only, layout will be corrupted if max-width is specified in imuiSelect.

- If max-width is specified in imuiSelect, some character string is displayed above the pull-down button. This symptom occurs only on Internet Explorer 8 because of the browser specifications.

On Internet Explorer 8 and 9, multiple files cannot be selected at the same time in imuiFileUpload.

- Internet Explorer 8 and 9 do not support HTML5 type="file" multiple. Therefore, multiple files cannot be selected at the same time in imuiFileUpload.

On Internet Explorer 8 and 9, placeholder cannot be displayed.

- A placeholder is a mechanism to display the gray-colored message such as "Please input" when the input tag item has not been inputted.
imui tag receives a placeholder, and gives it to html as it is.
Since Internet Explorer 8 and 9 do not support HTML5 placeholder attribute, it is not displayed.

Compatibility mode option of Internet Explorer is out of scope for support.

- If you click the compatibility mode switch button beside the address bar, [zIndex] of menu does not work correctly. Use in [Compatibility Mode] is generally out of scope for support.

Error may occur when you download the attachment file.

On Internet Explorer if the URL for the file download submits the POST request from the window newly opened by window.open or target="_blank", name of the download file may be ignored.

When Internet Explorer is used, security zones should match in order to display external site in IFrame.

- On Internet Explorer if the site of external domain is displayed inside IFrame, security zone of intra-mart Accel Platform and that of external domain should match.
If the security zones are different, Cookie cannot be used, and the functions of external domain may be restricted causing the abnormal display.

You can find the security zone setting on the [Security] tab of [Internet] option.

On intra-mart Accel Platform, external site is displayed by IFrame for the following functions :

- Menu
- External Menu Linkage
- Internet Portlet

When any of these functions is used, please set the URL whose security zone matches with that of intra-mart Accel Platform.

If Internet Explorer 8 is used in SSL environment, you cannot download the file.

- If Internet Explorer 8 is used, the alert message shown below is displayed when you try to download the file, and the file cannot be downloaded.



This is because of the IE bug by which cache control header does not function properly.

On Internet Explorer 10 only, if you focus on and release the right-aligned text box, characters are displayed as buried.

- If you move the focus to the right-aligned text box and release the focus when some characters are already entered, right half of the letter is displayed as buried only in case Internet Explorer 10 is used.

If you log in using Internet Explorer, 403 error may sometimes occur.

- Depending on the setting of Internet Explorer, log-in may not be possible. If the security setting of Internet Explorer is not to allow access to cookies, 403 error will occur at log-in time.

In order to avoid this problem, please do one of the following on Internet Explorer.

- Add intra-mart Accel Platform environment to the Trusted Site.
- In the internet zone setting, change the setting and accept first-party and third-party cookies.

When Internet Explorer is used, first letter of the download file name may be lost or corrupted.

- When Internet Explorer is used, first letter of the download file name may be lost or corrupted. This symptom is caused by the defect of Internet Explorer below.
<http://support.microsoft.com/kb/897168/ja>

On Internet Explorer 10 or later, you cannot upload the 0-byte file by imuiFileUpload.

- On Internet Explorer 10 or later, you cannot upload the 0-byte file by imuiFileUpload.

On Internet Explorer 8, favicon.ico sometimes may not be displayed.

- On Internet Explorer 8, favicon.ico sometimes may not be displayed.

On Internet Explorer 8 and 9, if you upload files that exceed the limit value, the message unrelated to the file size will be displayed.

- In case maximum value of request has been set by request-control-config.xml, if the files that exceed the limit value are uploaded by imuiFileUpload component, the message below is displayed.

[Error SyntaxError: Characters are not correct.]

<*> This symptom will not occur if the files are within the limit. When this error message is displayed, the files themselves will not be uploaded.

On this browser files are pseudo-uploaded using iframe to show as if files are uploaded by Ajax. Since it is not possible to obtain HTTP status from the response to iframe, status code is fixed at 200. This is the specifications of the plugin in use.

However, for browsers without support for XHR file uploads - which includes Internet Explorer before IE10 - the IFRAME Transport is used and there is no way to retrieve the HTTP status code from an iframe load event.

<https://github.com/blueimp/jQuery-File-Upload/wiki/Frequently-Asked-Questions#does-the-plugin-support-http-status-codes>

File upload tag expects JSON as a response.

However, since http413.jsp does not provide process for file upload tag, it returns HTML as a response. Since the file upload tag which receives HTML cannot parse it for JSON, the error [SyntaxError: Characters are not correct.] is displayed.

[Circumvention]

In order to avoid this symptom, please change [Maximum Value of Request] in request-control-config.xml.

On Internet Explorer 8 or later, if you register the page of the site that has different security zone and open it by pop-up, the page will be displayed on the parent screen.

- On Internet Explorer 8 or later, if you register the page of the site that has different security zone to the menu and opens it by pop-up, the page will be displayed on the parent screen.

This problem occurs if all the conditions below are met.

- intra-mart Accel Platform is registered in the Trusted Site.
- The site to be displayed by the pop-up is not registered in the Trusted Site.

This symptom is caused by the operation specifications of Internet Explorer.

There are 4 security zones (Internet, Local Network, Trusted, With Limitation) by Internet Explorer.

There is a specification change in Internet Explorer 8 in which transition destination of form cannot be specified if the site in other zone is opened by one zone.

<http://msdn.microsoft.com/en-us/library/ie/ms534659%28v%3Dvs.85%29.aspx>

In order to avoid this symptom, please register the site for pop-up display to the Trusted Site as well.

On Internet Explorer 8, horizontal width of imuiButton will be displayed larger than usual.

- On Internet Explorer 8, horizontal width of imuiButton will be displayed larger than usual by 22px.

On Internet Explorer 8, horizontal width of imuiToggle will be displayed larger than usual.

- On Internet Explorer 8, horizontal width of imuiToggle will be displayed larger than usual by 22px.

On Internet Explorer 11, Japanese input may not be possible to elements for which maxlength attribute or contenteditable attribute is specified.

- On Internet Explorer 11, if you try to input to the div element for which contenteditable attribute is enabled or to the input element for which maxlength attribute is enabled, Japanese input may not be possible. Emergency material has been published by Microsoft as follows.
<http://support.microsoft.com/kb/2922126/ja> (Japanese)

On Internet Explorer 11 of Windows 7, if you are using Office IME, single-byte KATAKANA mode is entered by specifying ime-mode: active.

- On Internet Explorer 11 of Windows 7, if you are using Office IME, single-byte KATAKANA mode is entered in the form parts for which ime-mode: active is specified.
<http://support.microsoft.com/kb/2931749/ja> (Japanese)

On Internet Explorer 11 of Windows 7, display font will become MS PGothic or MS Gothic.

- On Internet Explorer 11 of Windows 7, display font will become MS PGothic or MS Gothic. On Internet Explorer 11 of Windows 8.1, it will be Meiryō or MS Gothic. MS PGothic or MS Gothic font letters look bolder and longer in vertical direction than the original MS gothic fonts.

On intra-mart Accel Platform font-family of style sheet is set to Arial and sans-serif.

When imuiFileUpload is used, files that exceed 4GB in size cannot be uploaded on Internet Explorer 10 or 11.

- Ajax is used inside imuiFileUpload to upload files. When you try to upload the file that exceeds 4GB (4,294,967,296 bytes to be exact) on Internet Explorer 10 or 11, API (FormData#append) error would occur, because Ajax is used for file transmission. This error occurs before the file is sent, and so you cannot avoid the problem by setting the value in intra-mart Accel Platform.

On Internet Explorer, status bar may continue to work even after the screen display is finished.

- When Internet Explorer 8 is in use, status bar may continue to work even after the screen display is finished. This symptom will not cause any operational problem, because the status bar merely continues to work.
<http://support.microsoft.com/kb/833570/ja> (Japanese)

When a single-byte alphabetic button and a Japanese button are placed side by side on Internet Explorer, a vertical gap of about 1px would appear.

- When a single-byte alphabetic button and a Japanese button are placed side by side on Internet Explorer, a vertical gap of about 1px would appear.

We have observed this symptom for imuiButton, button tag, input[type="button"], input[type="reset"], and input[type="submit"].

This symptom can be avoided by specifying vertical-align:middle or font-family:sans-serif;.

If vertical-align:middle is specified, vertical position of the other elements such as input[type="text"] which are aligned horizontally with the button will shift.

If font-family:sans-serif; is specified, legibility of single-byte alphabetic characters of the button will be slightly damaged. We have observed that the space between [O] and [K] of [OK] gets too small to be easily legible.

Firefox

On Firefox ESR 24, if the icon of the size bigger than the button is specified for imuiButton, it will exceed the area.

- On Firefox ESR 24, if the icon of the size bigger than the button is specified for imuiButton, the icon will overflow the area. On Chrome, Internet Explorer, or Safari, the portion that exceeds the button will not be displayed.

On Firefox ESR 24, the value of label in optgroup tag of imuiSelect is shown in italic.

- On Firefox ESR 24, the value of label in optgroup tag of imuiSelect is shown in italic.

On Firefox ESR 24, if you place imuiRichtextbox in imuiDialog, characters may not be entered into imuiRichtextbox.

- On Firefox ESR 24, if you place `imuiRichtextbox` in `imuiDialog`, characters may not be entered into `imuiRichtextbox`. Character entry may not be possible if it takes much time to load the page.

On Firefox ESR 24, double frame lines are displayed when `input[type="range"]` is focused.

- On Firefox ESR 24, double lines are displayed for the black solid line and the blue dotted line frames when `input[type="range"]` is focused.

On Firefox ESR 24, margin may be generated at the lower part of the portlet.

- On Firefox ESR 24, margin may be generated at the lower part of the portlet, if the list table is displayed in the portlet.

This symptom occurs only on Firefox ESR 24. Margin at the lower part may result, because the height value of the list table obtained may sometimes be bigger than the actual height.

This is a display only problem, and does not affect the actual operations.

On Firefox ESR 24, search operation does not take place while IME entry is being made to `imuiAutocomplete`.

- While entry is made into `imuiAutocomplete` by IME, search may not be performed with the characters before completion. Search is executed after the entry is confirmed.

Safari

In case Mac OSX(10.7.0 or later) is used, tree for tree display may not open.

- In case Mac OSX is used, clicking the node or OPEN icon displayed on the tree for tree display may not function correctly. This symptom is caused by the mismatch of node position and display by the setting of scroll bar display.

In order to avoid this symptom, please do the following.

Set [System Environment Setting - General - Scroll Bar Display] setting to [Always Display].

On Safari 7 some items cannot be set on some management screens.

- If Safari 7 is used to do the edit on screens where edit functions are available in the tables using `imuiListTable` of UI components, HTML including the input text box is registered instead of the input contents.

In case of intra-mart Accel Platform (no additional applications), following screens will have the symptom.

- Menu Setting Screen - New Creation (or Edit) of Menu Item
Argument
- Job Management Screen - Job Creation (or Edit)
Execution Parameter
- Job Net Management Screen - Job Net Creation (or Edit)
Execution Parameter

If you need to use these screens, please use the browser other than Safari 7.

Smart Phone

On smart phones error may be generated if the process time is too long.

- If the processing time gets longer because of line status or server resource limitation, following error will be generated.

Error: NETWORK_ERR: XMLHttpRequest Exception 101

On smart phones, the name of the downloaded file may possibly be corrupted.

- On smart phones, if you download the file whose file name includes Japanese, it may be corrupted.

On some particular smart phone types, retry process (sending request again) may be performed.

- On some smart phone device types, if the process is submitted to the server and the response time exceeds the predefined time, retry (sending request again) process may be performed. If this is a registration process, same information may be registered.

[Device Types reported]

- NTT Docomo GALAXY S II LTE SC-03D

Operations on smart phones sometimes do not work properly depending on device types and browsers.

- Smart phone device types verified by our company are listed in the [Validated Environment] of Release Note. If you use smart phone devices that are not in the list or use non-standard browsers, they may not function properly. Please refer to [**Validated Environment**]-[**Smart Phone**] for detail.

Screen layout may sometimes be corrupted if you switch the screen vertical/horizontal orientation.

- If you switch vertical/horizontal orientation of smart phone screens while being displayed, screen layout may sometimes be corrupted.

[Example]

- If you switch vertical and horizontal while displaying the confirmation dialog, display position will shift from the center.
- When displaying the error message, display width of display area will shift from the center if you switch vertical and horizontal orientation of the device, etc.

In case Android 4.x standard browser is used, you may not be able to upload the file if the file name contains symbol characters.

- In case Android 4.x standard browser is used, file uploading will fail if the file name contains symbol characters below.

```
#$%&+;.=@[^`{ }
```

To avoid this problem, please change the file name before uploading the file.

You may sometimes not be able to download files on smart phones.

- Depending on the file name or contents, you may not be able to download the file on smart phones.

[Example]

* The file that has a Chinese letter (U+E815(厂) etc.) in the file name is uploaded to IMBox, and then downloaded by the Android device etc.

If you specify autofocus to long text or input element of invisible position, screen layout may be corrupted.

- Place the input element which specifies autofocus under the long text. Put input element to the location which is visible only when the screen is scrolled. If you display the page from this state, screen layout will be corrupted. This is the defect of jQuery Mobile. <https://github.com/jquery/jquery-mobile/issues/5385>

In order to circumvent this problem, please remove autofocus attribute from the input element.

On Android OS 2.3.6 standard browser, if you tap the “following” button of profile dialog, button character will be corrupted.

- On Android OS 2.3.6 standard browser, if you tap the “following” button of profile dialog, button character will be corrupted.

On Android standard browser, multi-byte character in the download file name will be corrupted.

- On Android standard browser, multi-byte character in the download file name will be corrupted. This is because Android standard browser does not support Content-Disposition of multi-byte character.

On Android standard browser, if the pop-up window is opened by another pop-up window, the button on some error screens displayed inside the pop-up window does not work.

- Suppose you open pop-up window (Window B) from the parent window (Window A), and then open the pop-up window (Window C) from Window B. Session timeout error is generated at Window C. Following actions would result on Android standard browser when [To Log-in Screen] is clicked.
 - Log-in screen is displayed in Window A.
 - Window B is closed.
 - Window C will remain displayed.

Correct operations should have been as follows.

- Log-in screen is displayed in Window A.
- Window B is closed.
- Window C is closed.

Error screens that this limitation applies are as follows :

- HTTP401 Error Screen
- Session Timeout Error Screen

Tablet

If the screens for PC are displayed on Safari of iPad/iPhone, some functions are limited depending on the browser specifications.

- When the screens for PC are displayed on Safari on iPad/iPhone, some functions are limited depending on the browser specifications.

For example, following functions have limitations.

- Operations that require drag & drop cannot be used. (example: Tree-type Maintenance Screen of My Menu Setting)
- Operations that require double taps cannot be used. (example: Selection Confirmation Process on IM-Common User Search Screen)
- When text box is tapped, software keyboard is displayed.
- When select box is selected, drum-type picker is displayed.
- When select box is selected, safari would freeze if `window.alert()` or `window.confirm()` is displayed.
- Operations using mouse-over cannot be used. (example: Tool Tip)
- If there are duplicated file names for file upload (default name is `image.jpg`), only 1 file is uploaded.
- If you do the touch operation on the screens for PC, `mouseover` will remain.
 - As a consequence, the class that was given at `mouseover` would remain unchanged for the layout.
- Files that are downloaded are displayed on the browser.

Internationalization

There are limitations about time zone.

- Unless the conditions below are met, data that handles date/time information may possibly have some mismatches.
 - Make the time zone of Java VM and this product the same.
 - Time zones that are defined in the configuration file below can be specified.
%CONTEXT_PATH%/WEB-INF/conf/time-zone-config/im-time-zone-config.xml
 - It is not recommended to change the time zone after system operation has started.
 - Do not change JavaVM time zone within the program. Example : `TimeZone#setDefault()`
 - Do not use client side JavaScript Date object for the purpose of handling time zone.

It is not recommended to change the default locale of tenant after system operation has started.

- Data entry for other languages is optional depending on functions.
If you change the default locale of tenant, it may not function because language data does not exist.

Descriptions and comments in the setting files will not be internationalized.

- Labels and messages displayed on the screen are offered in multiple languages, but descriptions and comments in the setting files and so on are provided in Japanese only.

Message which is generated by IM-Propagation will be only in English.

- IM-Propagation function is outside the scope of internationalization function.
Therefore, all the generated messages such as logs will be in English.

It is not recommended to reduce the system locales during the system operation.

- It is not recommended to reduce the system locales during system operation.
Some functions may not function properly, and data mismatch might occur.
It is recommended to define the language before starting the operation.

Locales of the messages generated in the log could be mixed.

- On intra-mart Accel Platform some of the log messages are generated in the locale set by the tenant.
If there are multiple tenants within one Web application and if each tenant has different locale, locales of log messages would vary depending on the tenant in use.

IM-Common Master

There are limitations about specifying time zone in case today is handled.

- If the date is not specified for the user search on intra-mart Accel Platform, base date time zone will be the one for the user (time zone of account context).
Therefore, if the user time zone is changed, data for the previous day or next day may be searched depending on the date specified.

Some screens are not correctly displayed on Internet Explorer.

- In case Internet Explorer is used, 1-month display or 3-month display of Term Bar may not be shown correctly.

All the language data you intend to use in IM-Common Master should be registered.

- You must set data for every language to the items of IM-Common Master.
If you intend to use both Japanese and English, please avoid the setting in which only the Japanese profile information is registered and no English information is registered.

Memory leak problem may occur when IM-Common Master screen is used on Internet Explorer 8 and 9.

- Memory leak may occur when IM-Common Master screen is used on Internet Explorer 8 and 9.

This symptom occurs if the document compatibility mode of Internet Explorer is edge mode and IM-Common Master screen is displayed inside IFRAME.

Following methods are available on the Maintenance Screen to prevent this phenomenon from happening.

1. Please use maintenance screen of IM-Common Master in a pop-up display.
Setting of menu item should be changed to enable pop-up display.
On the menu setting screen, [Check OFF IFRAME display] and [Check ON Pop-up display], and update the menu item.
2. Use browser other than Internet Explorer (e.g. Google Chrome).

Reference Page

About Document Compatibility Mode

<http://msdn.microsoft.com/ja-jp/library/cc288325.aspx> (Japanese)

Mac safari is out of scope for support for IM-Common Master Management screen.

- Management screen of IM-Common Master does not support Mac safari.
For example, if you specify the date of February 28, 2434 or later, term information will shift by one day.

While executing import of IM-Common Master, other operations/import should not be performed.

- While executing import of IM-Common Master, other related operations or import should not be performed.

Example :

- While importing [Company/Department], import [User].
- While importing [Public Group], import [User].
- While importing [Company/Department], do the operation of [User] on the screen.

Since the belonging information of user is being changed during the change, the error will occur because of data mismatch.

As stated above, please do not update the related data during import execution.

About condition specification (AppCmnSearchCondition)

- If you specify the maximum number of placeholders for SQL preparedStatement which is configured by the API condition specification, SQLException is generated.

Maximum number of subject groups that can be used for authorization control (access right) for Company is 1000.

- Maximum number of subject groups that can be used for authorization control (access right) for company is 1000.

The only subject resolver that can be used for authorization control for Company is DeclaredSubjectResolver.

- Authorization control (access right) is allowed for Company. However, only the resolver that has implemented DeclaredSubjectResolver interface may be used as the subject resolver for resolving authorization subject.

On Firefox ESR 24.5 [OK] button in the calendar pop-up sometimes does not work.

- Even if you click [OK] button while obtaining the calendar, click event does not work, because the mouseup event of javascript is not executed.
This symptom can be observed frequently especially when it takes much time to obtain the calendar.

Scale of the term is contracted in Term Display Scroll Bar.

- If the Term Display Scroll Bar shows the term which includes System End Date, the date displayed at the leftmost may not match the scale of the scroll bar.
This process is necessary, because the Term Display Scrl Bar would get too long if it is made to match the actual dates.

There are limitations about Web services in general.

- It is assumed that “Axis 2 ver1.4.1” is used as a Web service engine.
- Please refer to the Axis2 Web site (<http://axis.apache.org/axis2/java/core/index.html>) for details about Axis2.
- It is assumed that the transport layer of Web service uses HTTP.
- It is assumed that the Web service is encrypted by SSL.
- It is assumed that Web service in document-literal style is published.
- Load distribution of Web service is realized by the load balancer function.
- For the distributed configuration, it is necessary to deploy the same Web service to each Web Application Server. If different Web services are deployed among Web Application Server, load distribution of Web service does not function correctly.

This is about the contents of Axis2 - 1.4.x current specifications.

- Class that has inheritance relationship cannot be specified for the message element of Web service.
- Internal class cannot be specified for the message element of Web service. Stub will not be processed correctly.
- In case return value of the method which is published as a Web service is void and if it does not throw the exception, error will not be notified to the Web service client side, even if some error occurs.
- Axis2 Management Console (<http://hostname/imart/axis2-admin/index.jsp>) does not support the maintenance of session ID which utilizes URL rewriting.
- With regard to XML to Java object mapping using the message receiver [RPCxxxxMessageReceiver], if there is no SOAP message element that corresponds to the Java object defined as [Array], it may be converted to [Null Array] or converted to [null].
- With regard to Axis2 stub that uses “ADB” for the data binding method, when the mapping from XML to Java object takes place, Java object which is defined as [Array] is converted as follows. Because of these current specifications, if [null] is sent by the Web service provider side, Web service client side may interpret it as [Array with length 1 (first element is [null])], or if [Null Array] is sent by the Web service provider side, Web service client side may interpret it as [null].
- AXIS2-3870 was amended in Axis2-1.4.1. However, it has been confirmed that memory leak occurs if Axis2 stub is used. Axis2 1.4.1 client stub not freed (<https://issues.apache.org/jira/browse/AXIS2-4007>) intra-mart Accel Platform uses Axis2-1.4.1, which is a modified AXIS2-4007. Modified class is [org.apache.axis2.client.Stub].
- In case JavaBean is specified as an argument of the method which is published as Web service, data of attribute in [Byte Array(=byte[])] format in JavaBean will not be correctly sent/received. This limitation comes from the current Axis2 specifications. If you need to send/receive the binary files, argument in [Byte Array(=byte[])] format needs to be specified for the method published as Web service instead of the JavaBean attribute.
- Return type of the method published as Web service cannot be void.
<https://issues.apache.org/jira/browse/AXIS2-4275>

This is about the contents of authentication/authorization for Web service.

- After the Web service is executed, it is explicitly discarded (log-out). Therefore, scope of intra-mart log-in session will be for each Web service call.
- Password which is used for authentication will always be the one kept in the account information of intra-mart Accel Platform. Even if LDAP linkage is done, password which is controlled by the LDAP side will not be used.
- User authentication/authorization of intra-mart Accel Platform does not support WS-Security.
- When Web service is un-deployed, access authorization which was set for the subject Web service is not deleted.

This is about the contents of Web service provider.

- It aims at making the existing Java class or JavaScript function to the Web service. (Web service by the bottom-up approach)
- With regard to making the script development model to Web service, functions that have the request parameter as argument are outside the scope of Web service. By the functions that have the request parameter as argument, they mean init() function, close() function, and functions that support action attribute of links or forms.
- With regard to making the script development model to Web service, functions that update the value of argument are outside the scope of

Web service. By the functions that update the value of argument, they mean not only the functions whose argument is referred to within the function, but also the functions that are used to return the result of running the function.

- With regard to making the script development model to Web service, functions that use the following APIs are outside the scope of Web service.
 - forward()
 - redirect()
 - secureRedirect()
 - transmission()
 - Debug.browse()
 - HTTPResponse.sendMessageBody()
 - HTTPResponse.sendMessageBodyString()
 - Module.download.send()
 - Module.alert.back()
 - Module.alert.link()
 - Module.alert.reload()
 - Module.alert.write()
 - PageManager.redirect()
 - HTTPResponse.sendMessageBodyFile()
 - HTTPResponse.sendMessageBodyAsBinary()
 - HTTPResponse.sendMessageBodyAsText()
 - Transfer.toErrorPage()
 - Transfer.toInformationPage()
 - Transfer.toWarningPage()
- With regard to making the event framework of JavaEE framework to the Web service, Web service will not function, if Java class which is published as Web service is stored in aar file.

These are the limitations about Web Service client.

- SOAPClient object uses CodeGenerationEngine class of Axis2. Therefore, Web service that is not supported by CodeGenerationEngine cannot be called.
- SOAPClient object uses Axis2 stub which utilizes [ADB] for data binding method.
- getSampleCode() function of SOAPClient object does not generate sample data for the types defined by restriction of XML schema. You should refer to the specifications of Web service to be executed for types sample data are not generated for.
- get SampleCode() function of SOAPClient object cannot be displayed correctly, if the child element of input element of Web service operation is specified as [maxOccurs="unbounded"].
- SOAPClient object supports the Web service in document-literal style.
- SOAPClient does not support the Web service in asynchronous callback format.
- In order to use SOAPClient object in WebSphere, it is necessary to set the [Class Loader Sequence] to [Class that initially loads application class loader].
- If the compilation of auto-generated Java stub class fails when SOAPClient is used, it is necessary to set the environment variable to [AXIS2_HOME].
- SOAPClient object cannot use the Web service operation that has the same name as the reserved words of JavaScript.
- It is not allowed to specify the one-letter only capital alphabet at the beginning of SOAP message element name. For example, if the SOAP message element name is "A0001", Axis2 will generate JavaBeans whose access method is "getA0001" and "setA0001". This JavaBeans will return the property name "a0001", and so the property name of return value object will become "a0001". This is because the only-one capital alphabet letter at the beginning is changed to a small letter according to the JavaBEan specifications of property name.
- SOAPClient API stub code is not compatible with 2013 Summer(8.0.3) version or before. If following conditions are met, it does not function properly.
 - In case it is migrated from the environment of 2013 Spring(8.0.3) or before
 - In case Never mode is used as a stub creation method when SOAPClient API is used
 - In case the stub code which is generated using the SOAPClient API of 2013 Spring(8.0.3) or before is placed

When these conditions are met, the stub code which was created by 2013 Spring(8.0.3) or before, and the stub code generated by the 2013 Summer(8.0.4) version or later are not compatible. Therefore, it is necessary to recreate and place the stub code using the new SOAPClient API of 2013 Summer(8.0.4) version or later.

Only Web Application Server that is supported by [TERASOLUNA Global Framework on Accel Platform] is Resin.

- Only Web Application Server supported by the Development Framework Module [TERASOLUNA Global Framework on Accel Platform] is Resin.

There are limitations about Menu Setting and @RequestMapping in case menu display and authorization are enabled in TERASOLUNA Global Framework linkage.

- Please make sure that unique identification is provided by the URL in menu setting and the value in @RequestMapping. Please refer to [TERASOLUNA Global Framework Programming Guide] for detail.

Tenant Management

Menu

Display items of menu may not be updated until user logs in again.

- When you have no execution authority for the transition destination screen when the menu is clicked, clicking the menu will result in 403 error, and you cannot access it. Therefore, it would not cause any security exposure.

If you register the page that uses IFRAME to My Menu and opens it, the page may not be sometimes displayed.

- Suppose you access the menu for which you set "IFRAME Display" ON in menu setting, and then register the page to My Page. Thereafter, if you display the registered page from My Menu, following symptoms may be observed depending on the implementation within IFRAME.
 - Page transition of IFRAME is not reflected, and it becomes initial display status.
 - Error occurs when the page needs to be displayed, and page cannot be displayed.
 - In case the external menu was obtained by the external menu linkage function, request information invalid error will occur, and page cannot be displayed.

Following circumventions are available.

- If the menu is defined in the global navigation or site map, you can copy the menu item from the global navigation and site map on my menu setting screen, and avoid the problem.

You cannot edit My Menu on the launcher.

- While addition to My Menu is possible, move, change of sort sequence, name change, or deletion cannot be made. In order to avoid the problem, you can operate them on my menu setting screen.

After you register the page that uses session to My Menu, you may sometimes not be able to open the registered page from My Menu.

- If the page retains information and is structured by using the session, page may not be displayed correctly, because the session contents are cleared by the log-out operation. If such a page is opened from My Menu, error display may result.

There are following circumventions.

- You need to register the link to the entry of Business Screen. (by copying from the global navigation / site map etc.)

On the menu structure setting screen, if the "URL" of menu item includes "./" or "../", no authorization will be made to the menu item, and it will be always displayed on global navigation or site map etc.

- On the menu structure setting screen, if you use "./" or "../" in the "URL" of menu item, authorization is not performed to that menu item, and it is always displayed on global navigation or site map. With regard to the screen after menu is clicked, authority check is performed according to the authorization setting (if there is no authority, 403 Forbidden will be returned).

Following circumvention is available.

- Do not include "./" or "../" in the URL of menu item.

There are remarks about screen transition in IFRAME re-director of Menu.

- If 401 error occurs, when you click the displayed button and log in, the screen which is to be accessed after the log-in will be usually displayed. However, in case of the page displayed by IFRAME re-director, transition to the home screen will result after log-in.

If you specify the icon outside the predefined screen size as a menu item icon, it will not be displayed correctly.

- For example, if you specify the icon which size is bigger than 16x16 for the PC global navigation, icon will be displayed trimmed.
Global site navigation and site map for PC assume the icon with 16x16 in size.

Menu items you can register to My Menu will be the ones that are on the site map.

- Function of My Menu is similar to the bookmark function of the browser.
Like the bookmark of the browser, even if you call the menu that was at the time of registration, it may not be displayed correctly.
example : Portlet New Registration Screen

On the menu setting screen of tenant management, drag and drop operation of node sometimes does not work.

- From the [Tenant Management]-[Menu Setting] screen, dialog is displayed by the [Export] button.
Three trees are displayed for export __ global navigation on the left side of the screen, site map on the right side of the screen, and dialog.
In the dialog empty tree is displayed initially. If you drag and drop to any one of these nodes or any one of the remaining 2 nodes,
it could be dropped to other node that is different from the one drop operation was made against.
This limitation comes from the defect of jstree library itself.

If you set the Home URL to something other than /home, you cannot transition to global navigation from the smart phone screen.

- If you set the home URL of tenant information to other than "/home" in initial setting, the page that is set as home URL is to be accessed when the home button on the smart phone is touched, and you cannot transition to the global navigation. (By entering <<context path>>/menu/sp directly in the address bar of the browser, you can transition to the global navigation.)

For the home URL, please specify the path where smart phone menu is displayed.

In order to display the menu when the specific URL is accessed by smart phone, please add the following script model routing setting.

```
<file-mapping path="/<<arbitrary path>>" client-type="sp" page="/menu/global_nav/views/global_nav_sp">
  <authz uri="service://mobile_framework/global_nav" action="execute" />
</file-mapping>
```

Please set the number of display menu groups in global navigation to the ones that fit into the size of window.

- If there are too many display menu groups in the global navigation, they may be displayed overlapped on the utility menu, or new lined over the main contents.
Select [Utility Menu]-[Personal Setting]-[Global Navigation], and set the maximum display number in the global navigation so that the groups fit within the width of window.

If you update the sort sequence of menu group by either importing via the job or using API, sort sequence of authorized resource is not synchronized.

- If you do one of the following operations, sort sequence of authorized resource is not synchronized. As a consequence, the sequence of menu group displayed on the menu setting screen and the sequence of resource displayed on the authorization setting screen opened by the "Authority Setting" link would be different.
 - Change the sort sequence (sort-number) of the existing menu items to other values, and import these changed data via the job.
 - Change the sort sequence of the existing menu items by utilizing MenuItemManager API.

If this symptom occurs, it can be circumvented by the following steps.

- Open [Tenant Management] - [Menu] from the site map.
- Create any menu group in the menu category tree which you want to synchronize.
- Delete the created menu group.

HybridSSO / External Menu Linkage

Single Sign On authentication is recommended in order to use the external menu linkage function.

- In order to access the external site that requires authentication from the menu by utilizing the external menu linkage function, you need to log-in in advance.
In order to manage the authentication of each site, Single Sign On authentication is necessary by separately introducing the single sign on products.

Function to achieve single sign on linkage (IM-HybridSSO) between intra-mart Accel Platform and iWP / iAF v7.2 is made available from 2014 Summer(Honoka).

Please refer to [iAP-iWP SSO Linkage(IM-HybridSSO)] chapter of [Setup Guide] for detail.

Following limitations would result unless single sign on authentication is provided :

- Automatic log-in cannot be made even if you access the menu obtained from the menu provider.
 - Error page will be displayed if there is authority setting in place on the corresponding page.
You can move from the error page to the log-in page and log in. However, normal log-in may not be possible depending on the browser setting or the environment.
 - In case menu provider is intra-mart Accel Platform,
global navigation on the menu client side stops being displayed once the log-in screen is displayed on the menu provider side.
- Since the log-in to menu client and the log-in to menu provider are made separately, it is not guaranteed that they are for the same user.
 - Menu information which is obtained from the external menu linkage is the information associated with the user who logs in to the menu client.
 - It is not possible to judge on the screen if other user has logged in to the menu provider. Therefore, incorrect operations may result.
- Even if you log out on the menu client, automatic log out will not take place on the menu provider side.
 - Menu provider can be directly accessed while in the log-in state.

For the external menu linkage, please refer to [**External Menu Linkage(IM-HybridSSO)**] chapter of [**Setup Guide**].

User code at the destination of external menu linkage must be the same at the origin of external menu linkage.

- In the external menu linkage function, user code of the user who logs in to the origin is used to obtain menu information at the destination.
Therefore, user code at the origin and that at the destination must match.

Latest menu may not be displayed in external menu linkage function.

- 1. If you edit the menu at the linkage destination server during operations, latest menu is not displayed.
- 2. In case linkage destination server cannot be accessed temporarily because of the network error or other reasons when menu information is being obtained,
external menu information is not obtained and the menu is displayed.
 - Menu information will not be obtained even if the access to the linkage destination server subsequently becomes available.

For some menus information is cached to accelerate the display.
Therefore, if the symptom 1 or 2 occurs, external menu information may be displayed for some user and not displayed for another user.

For the symptom above, following circumvention is available.
Please clear the cache of the menu by [Cache Clear] on Menu Setting Screen.
Please refer to [Menu Setting] section of [Tenant Administrator Operations Guide].

If you do not have execution authority for the transition destination screen,
you cannot access the displayed menu by 403 error when the menu is clicked.
Therefore, there would be no security exposure.

Automatic log-in function does not support the log-out linkage of iAP-iWP SSO Linkage Module (IM-HybridSSO).

- Automatic log-in function does not support the log-out linkage of iAP-iWP SSO Linkage Module (IM-HybridSSO).

Log-out linkage function of IM-HybridSSO is performed when the log-in screen is displayed.
Therefore, automatic log-in function which performs authentication without using the log-in screen does not support the log-out linkage of IM-HybridSSO.

For information about automatic log-in function, please refer to [**In case Automatic Log-in Function is used**] of [**Setup Guide**].

Log-in by IM-HybridSSO cannot be made if accessed by Short-cut URL.

- In order to access the external menu obtained by the external menu linkage, authentication information by IM-HybridSSO is required.
Authentication information by IM-HybridSSO is set when the log-in is made via the log-in screen of intra-mart Accel Platform.

When the access is made by a shortcut URL, there are cases where you can transition to the target screen without going through the log-in screen.
(For example, one user has display permission, and access is made by the shortcut URL for which login authentication is set as unnecessary.)
In this case, since the log-in by IM-HybridSSO is not made, even though the external menu obtained by the external menu linkage is displayed on the screen,
the menu cannot be accessed even if you click on it.

This symptom can be avoided by logging in to intra-mart Accel Platform again.

If you have already logged in to intra-mart Accel Platform, access to the external menu can be made because of the remaining authentication information by IM-HybridSSO.

If Web Server or Load Balancer is used, context path of Request URL and context path of iWP / iAF should be set the same.

- If Web Server or Load Balancer is used, context path of Request URL and context path of iWP / iAF should be set the same.

URL of the menu information created by external menu linkage will be generated based on 2 information below :

- URL specified by [im.web_server.url] of parameter.xml of iWP / iAF
- Context path of iWP / iAF

Therefore, if the context path part has been modified by Web server or load balancer, access may not be successfully established by the external menu.

For example, if you are using Apache module [mod_proxy] and if the context path of iWP / iAF is [/imart], you need to set the name of local virtual path as [/imart] as shown below.

```
ProxyPass /imart http://backend.example.com/imart
```

SSO Connection is released if you change the password of iWP / iAF while IM-HybridSSO connection is in place.

- Since the IM-HybridSSO connection information includes irreversible information that is based on the user password on iWP / iAF, if the password of iWP / iAF log-in user is changed after the log-in to intra-mart Accel Platform and before the first access to iWP / iAF screen, SSO connection will not be successfully established because of invalid IM-HybridSSO connection information.

Configuration in which multiple SSO authentication providers have linkage with the same SSO service provider is not supported.

- If the setting to allow multiple SSO authentication providers (intra-mart Accel Platform) to access the same SSO service provider (iWP / iAF) is made, session information of iWP / iAF may be overwritten, and hence normal operations cannot be guaranteed.

Access may not be successfully established if the session failover occurs while using the external menu linkage function.

- [Request information is invalid. Specified page cannot be displayed.]

This happens because signature is added to the menu information by the external menu linkage function, and signature checking is performed.

Signature information is retained by each server.

In case of this error, please access any page other than the external menu, and refresh the menu information.

Configuration in which SSO authentication provider has SSO linkage with multiple log-in groups in the same iWP / iAF is not supported.

- If the setting to allow SSO authentication provider (1 tenant in intra-mart Accel Platform) to have SSO linkage with multiple log-in groups in the same iWP / iAF is made, session information of iWP / iAF may be overwritten by accessing the menu of each log-in group, and hence normal operations cannot be guaranteed.

Servers that make up IM-HybridSSO must be built on the same domain.

- Therefore, intra-mart Accel Platform and iWP / iAF must be built either with different context paths on the same host to allow browsers to read/write Cookies or on the host that can be differentiated by subdomains.

Example) in case the host can be identified by subdomains :

- Domain: intra-mart.jp
- SSO Authentication Provider: iap.intra-mart.jp
- SSO Service Provider 1: iwp1.intra-mart.jp
- SSO Service Provider 2: iwp2.intra-mart.jp

iWP / iAF may not be used as [SSO Authentication Provider], and intra-mart Accel Platform may not be used as [SSO Service Provider].

- IM-HybridSSO does not support the following configurations :
 - Log in to iWP / iAF and do SSO linkage with other SSO service provider. (iWP / iAF is used as [SSO Authentication Provider].)
 - Do SSO linkage between intra-mart Accel Platform's. (intra-mart Accel Platform is used as [SSO Service Provider].)

IM-HybridSSO provides simple Single Sign On functions on intra-mart Accel Platform and iWP / iAF.

- In case you have a need for integrated management of authenticated IDs or a need to use SSO service provider other than iWP / iAF, please use respective Single Sign On products that support these required functions.

In the environment where iAP-iWP SSO Linkage Module (IM-HybridSSO) is installed, you cannot change the transition destination screen after the log-out.

- On intra-mart AccelPlatform you can change the transition destination screen after the log-out by specifying the request parameter [im_url] at log-out time. However, this function is not available in the environment in which iAP-iWP SSO Linkage Module (IM-HybridSSO) is installed.
Even if you specify transition destination URL when you log out, transition will be made to the log-in screen.

Please see the document below for information about request parameter [im_url].
Please refer to **[Request Parameter Name]** of **[Configuration File Reference]**.

Authorization

Policy setting on Authorization Setting Screen will be in effect immediately.

- Policy setting on the authorization setting screen (permitted, not permitted) will be in effect immediately.

There are remarks about add/update/delete of authorization subject.

- Authorization subject is made common across each function.
Please be aware that add/update/delete of authorization subject will affect each setting screen.
 - Authorization Setting Screen
 - Authorization Setting Screen for Company
 - Authorization Setting Screen for Menu Group
 - Access Right Setting Screen for Portlet
<*> Subject is screened only for portlet.
 - Display Authentication, User, Role
 - Non Display Department, Post, Public Group
 - TableMaintenance Table Access Right Setting
 - Event Navigator Access Right Setting
 - IMBox Operations Authority Setting

Please make sure that update/delete is not used in other functions.
Special care must be taken for the deletion of subject.

If the subject is deleted, related policy setting is deleted too.
Therefore, if the subject is deleted, policy that was set by other functions is also deleted.

Validity check of Authorization for the router path will not be performed on the dynamic routing.

- In the unit test environment, router checks if different authorization setting is made for the path at initialization time.
This checking is not performed for dynamic routing.
Following routings are considered as dynamic routing.
 - routing which uses PathVariables
 - routing by folder-mapping of jssp-routing
 - routing by application-mapping of service-routing

Authorization setting for "/home" is defined as separate resources. Care should be taken when the authorization is changed.

- At present /home does not represent any particular application.
If /home is accessed in the initial setting stage, portal (/imart/portal/desktop) will be displayed.
This was made possible by making both paths in the routing table point to the same page.
Since they are defined as separate resources from the authorization viewpoint, you should be careful when you change their authorities.

Portal Resource

```
Screen/Process
  Portal
    Portal Display
      Portal
```

/home Resource

```
Screen/Process
  Tenant
    Default Home
```

In the example of default status stated above, even if you disable authorization of only the portal resource, /home can be accessed and portal can be viewed unless you disable the authorization of default home.

Latest authorization setting may not be always in effect.

- If the network trouble has occurred between clusters in the distributed environment,

cache information at the node in trouble may not be cleared, and iAP may function with old authorization setting.

There are following alternatives to avoid this situation.

- Do not change the authorization setting in Operation Phase (= operation that does not cause cache to be cleared).
- Identify the node in which the trouble has occurred, and perform rebooting etc.
- Do not cache authorization setting.
- Make the cache validity time short for authorization setting.

If authorization setting change is executed while any node is separated from the cluster because of network trouble or other causes,

cache in the separated node is not cleared.

When the node joins the cluster again,

authorization setting that was cached before it left the cluster will be applied for the access control.

Addition or deletion of access/control authorization of menu group category in authorization setting would not affect the display of menu setting screen.

- If you open authorization setting screen, and select [Menu Setting] from resource type, list of menu group categories and menu group resources are displayed.
In the initial state, nothing is set for access/control authority for menu group category (example: [Global Navigation (for PC)]).
Even if you set the access/control authority to the menu group category on this screen, contents that are displayed for category selection on menu setting screen will not change (All menu group categories will always be displayed regardless of authority setting).

This is because of the fact that the menu group categories displayed on the authorization setting screen are registered only for grouping the menu groups and do not represent the menu group categories themselves.

Therefore, even if you set the authority to the menu group category, the setting will be inherited only to the subordinate menu group, and the respective authority setting to the menu group category will not take place.

If the authorized resource of the page registered in the menu is deleted, system error will occur when the screen is accessed.

- If the authorized resource of the menu is deleted without deleting the corresponding menu, following error will occur, because authorized resource cannot be found when the menu such as global navigation is displayed.



Since all the screens that display menu will cause system error, most of the screens cannot be displayed.

Please do not delete authorized resource of menu without deleting the corresponding menu.

(Do not delete authorized resource during Operation Phase.)

If you have deleted the resource, please register the authorized resource again in the following steps.

1. Search for the target screen URL from the routing setting below, delete or comment it out, and reboot the server.

*%CONTEXT_PATH%/WEB-INF/conf/routing-xxx-config/***.xml*

2. Delete the corresponding menu item from the menu setting screen.
3. Resume original routing setting, and reboot the server.
4. Register the target authorized resource on the authorization setting screen.

For your information backup function for the deletion of authorized resource has been added to the intra-mart Accel Platform 2013 Summer version.

If any unexpected operation should occur because of the deletion of authorized resource, backup files could be restored through job net, and the authorized resource can be resumed to the state before deletion.

For detail, please refer to [[Backup when deleting resource](#)] chapter of [[Authorization Specifications](#)].

Authorized resource provided by intra-mart Accel Platform should not be deleted.

- If the authorized resource provided by intra-mart Accel Platform is deleted, tenant environment setup may not work properly.
For example, please assume that the authorized resource provided by [8.0.0] or [8.0.1] is deleted.
If you try to set up the tenant environment deploying the WAR file which selects the product version [8.0.2] or later, your tenant environment setup will fail.

On the authorization setting screen, resources and conditions are filtered by the display name of locale of log-in user.

- In the search function on authorization setting screen, resources and conditions that have no display name by the locale of

log-in user would not be the target data for the search function.

Calendar

Default authorization setting for calendar information is to allow unauthorized users to browse it.

- If you want to disclose the calendar information only to the log-in users, you should set up the authorization so that browsing of calendar information by unauthorized users is [prohibited].

Setup steps for it are shown below.

1. Click [Site Map]→[Tenant Management]→[Authorization].
2. Click the magnifier icon on the upper left, enter [Calendar] for filtering resource (vertical axis), and click [Search] button.
3. Click [Start Authority Setting].
4. Set the power of the following resource actions for guest users to [prohibited].
 - Screen/Process > Calendar >Calendar Tag (for Ajax)
 - Screen/Process > Mobile Framework > Calendar Tag (for Ajax)
5. Click [Finish Authority Setting].

Setting is now completed.

Operation method of authorization setting screen is also described in [[Tenant Administrator Operations Guide](#)]. Please refer to it too.

Application

IMBox

It is not recommended to re-utilize the user code that was used in the past.

- It is recommended that the user code that was previously used should not be used again. In case user code was re-used, it is judged as the same user and the past data could be browsed.

If character code for displaying OpenGraph is not specified, it is converted to UTF-8.

- In OpenGraph character code that was specified for META tag of the target site is obtained and converted. If character code is not specified for the target site, target site will be converted by fixed UTF-8.

Sorting sequence of Tag List depends on the internal sort of Apache Cassandra.

- If the tags are created only with numeric values (1, 2, 3...etc), sorting method of tag list is based on the internal sorting of Apache Cassandra, and so it will not be displayed in the registration sequence.

See [Sorting of Tag List] below.

- [Sorting of Tag List](#)

サンプル会社		フォロータグ				
タグ	スレッド数	フォロワー数	作成者	Follow	削除	
9	1	0	斉藤辰巳	+フォロー		
8	1	0	斉藤辰巳	+フォロー		
7	1	0	斉藤辰巳	+フォロー		
6	1	0	斉藤辰巳	+フォロー		
5	1	0	斉藤辰巳	+フォロー		
4	1	0	斉藤辰巳	+フォロー		
3	1	0	斉藤辰巳	+フォロー		
20	1	0	斉藤辰巳	+フォロー		
2	1	0	斉藤辰巳	+フォロー		
19	1	0	斉藤辰巳	+フォロー		
18	1	0	斉藤辰巳	+フォロー		
17	1	0	斉藤辰巳	+フォロー		
16	1	0	斉藤辰巳	+フォロー		
15	1	0	斉藤辰巳	+フォロー		
14	1	0	斉藤辰巳	+フォロー		
13	1	0	斉藤辰巳	+フォロー		

When responding to DirectMessage, users who do not belong to the company will also receive the response.

- When responding to DirectMessage, there is no checking performed for those who can access the threads if these users belong to the company.
Response will be sent to users who do not belong to the company, and these users cannot be confirmed.

There is upper limit of characters used for tag.

- Since tag is to be used as URL, error will occur if it exceeds the number of characters that can be used as URL.
Therefore, its upper limit is set to 20 characters.

There are following limitations about tag.

- In case of tag-only follow, if there is a posting from a non-following user, new arrival notification will not be put to MyBox.
- If the tag that you follow is added to the thread, the message will not be displayed unless you draw it again.
- If the tag that you follow is deleted from the thread, the message will not be deleted from MyBox.

There are limitations about users using IMBox.

- IMBox users should belong to the company.
If someone belongs to multiple companies and there is no main belonging specified, your belonging department must be selected.
Moreover, it is necessary that authorization to the belonging company is enabled.

There are limitations about newly arrived messages.

- If there are 2 or more new messages posted at the same timing, new arrival notifications may be displayed twice.
If all the messages are obtained by the first new arrival notification, only the new arrival notification is displayed.

There are limitations about messages that are not displayed on timeline.

- If there are 3 or more responses to the message that are not displayed on the timeline within the same thread, new arrival display would be only for 2 responses, and clicks on the displayed links are needed for displaying all the remaining new arrivals.

Posting destination (company name) displayed on the timeline is displayed by tenant locale.

- Posting destination (company name) displayed on the timeline is displayed by tenant locale.
It will not be displayed by the user selected locale.

Mandatory error message on the server side when the posting fails is inappropriate.

- Error message which is returned from the server side when the message posting fails may include inappropriate character string (variable name).
This happens when the message such as a blank character is sent to the server avoiding the client side validation.

There are limitations on the available characters for user code and tag.

- Following character strings should not be used for user code and tag.

```

■ User Code
`\.?*?"<>|#}%&~`
top underscore example : _test
consecutive period example : te.....st
last period example : test.
top period example : .test
top and last single-byte spaces are deleted.
top and last double-byte spaces are deleted.
[setprofile]

■ Tag
?(/
last period example : test.
top period example : .test
top and last single-byte spaces are deleted.
top and last double-byte spaces are deleted.

■ companyCd
top consecutive period example : ..test

<^> Character string that includes period between characters may be used. Top and last single-byte/double-byte spaces are c

```

If posting with attachment file is made to IMBox using a smart phone, Back process is not executed on standard browsers of Android OS Version 3.0, 4.0, and 4.1.

- If the posting with attachment file is made to IMBox by smart phones, Back process is not executed on standard browsers of Android OS Version 3.0, 4.0, and 4.1.

If user information is deleted, questionnaire information posted would remain.

- In case the function to delete user information on Cassandra, which was added in 2013 Winter(8.0.6), is used, user information can be physically deleted. However, information which the deleted user posted in the past would still remain.

Only 9160 is allowed to be set to Cassandra client connection port (rpc_port).

- If any value other than 9160 is set to the Cassandra client connection port (rpc_port), error logs would be generated in volume.
Moreover, new node would not be possibly detected. Please always set 9160 to the port.

IM-Workflow

There are limitations when system locale is added.

- If you try to restart the system operation right after the change of locale, mismatch with both the master data and transaction data will occur.
If you try to approve the matter after changing the locale, normal process does not take place, and data may be destroyed.

You can make a recovery by doing the following steps only if you have added the locale (it does not apply to the deletion of locale).

- With regard to master data, data for the amount of added locales should be prepared.
- With regard to the transaction data applied before the change, you need to switch back to the user locale before the addition, and perform the operation.
Data which was applied after the addition of locale can be operated by any user locale.

Master data is required for each system locale.

- Master data would be required for each system locale in IM-Workflow.
You cannot do the operation with only the Japanese as master data, when 3 languages (Japanese, English, Simplified Chinese) are available for the system.

Registration of master data is necessary for the following for each locale.

• Role Information

·IM-Common Master Information

1. User
2. Department
3. Company + Post
4. Public Group
5. Public Group + Role

·IM-Workflow Master Information

1. Matter Property Definition
2. Rule Definition
3. Mail Definition
4. IMBOX Definition
5. List Display Pattern Definition
6. Flow Group Definition
7. Contents Definition
8. Route Definition
9. Flow Definition

Sizing of storage region is necessary depending on the master setting of workflow.

- Data is stored into Database and Storage in IM-Workflow.

Therefore, server resource of Storage would be required as the volume of data increases.

[*] Data stored in Storage would increase proportional to the “Number of Nodes” and “Number of Actions”.

Please size the Storage area based on the examples below:

* Number of Nodes: 5 ([Start]→[Apply]→[Approve]→[Approve]→[Approve]→[Approve]→[Finish])
 * Number of Actions : 5 ⇒ 200KB
 * Number of Actions : 10 ⇒ 360KB

* Number of Nodes : 10 ([Start]→[Apply]→[Approve]→[Approve]→·····→[Approve]→[Approve]→[Finish])
 * Number of Actions : 5 ⇒ 400KB
 * Number of Actions : 10 ⇒ 730KB

[*] The example above is the case where file transaction level (transaction-file-level) is 1.

It is necessary to adjust the server setting etc. depending on the master setting of workflow.

- [Image Output] function of [Flow Reference] screen and API[WorkflowImageManager] will consume memory, which is proportionate to the number of nodes in the Flow Diagram (Route Diagram). Therefore, “Out of memory” may occur if you place too many nodes. In this case, please review the setting of server, and make necessary modifications.

Process time will increase proportionate to the number of nodes that are set in the route definition.

- When you set the following nodes in Apply/Approve process, process time will increase proportionate to the number of nodes that are set.
 - [Vertical Placement]
 - [Horizontal Placement]
 - [Dynamic Approval]

Target users will be removed depending on the contents of route setting.

- Target users are removed on [Route Setting - Version - Edit] screen in the following cases. In these cases, please set the target users after connecting the node.
 - After you place the [Approve Node] and set the target users, if the Apply/Approve node is connected to this node, target users are removed.
 - In case the route (connection) such as [Apply/Approve Node]-[Approve Node] exists, if you change the route (connection) like [Other than Apply/Approve Node]-[Approve Node], target users for [Approve Node] are removed.
 - In case the route (connection) such as [[Other than Apply/Approve Node]-]-[Approve Node] exists, if you change the route (connection) like [Apply/Approve Node]-[Approve Node], target users of [Approve Node] are removed.

There are remarks when operating matters in the route definition that includes synchronous node.

- In the route definition that involves synchronous node, if the move from outside-synchronous to inside-synchronous is made by the matter operation, even if all the inside-synchronous routes reach synchronous combined node, they will stop at synchronous combined node. (In this case, they do not proceed to the next node of synchronous combined node).

There are items to be noted about the display of flow reference.

- If you click the [Image Output] button before all the Flow Diagrams (Route Diagrams) are displayed on the [Flow Reference] screen, flow diagrams (route diagrams) are not displayed.

This phenomenon could be avoided as follows.

By clicking the [Latest Information] button, you can re-display the flow diagram.

In some cases 2 process request emails are sent to the delegated user.

- In the delegation setting, if the user who is set for delegation has process authority, 2 process request emails will be sent.

Sometimes normal email transmission fails depending on the mail server used.

- If you omit the subject or mail body in mail definition, emails are sometimes not submitted. This depends on the mail server in use.

Mail address which is set in the user profile will be used for mail destination.

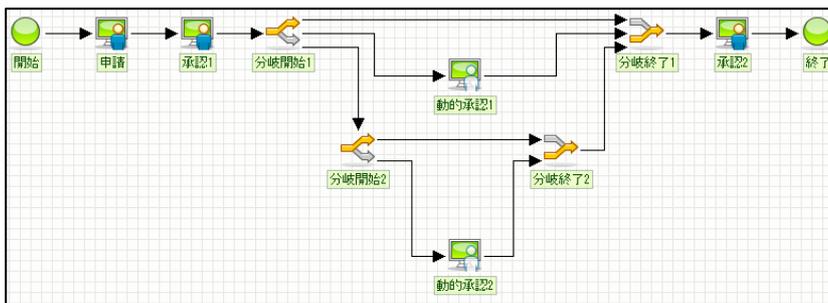
- Mail address which is used for mail transmission would be only the [Mail Address 1] which is set in the user profile.

Sometimes branch route (line) may not show up on the display.

- If you create a route in which there is no node between [Branch Start] node and [Branch End] node, route (line) may not be correctly resumed as defined in the route definition.

example)

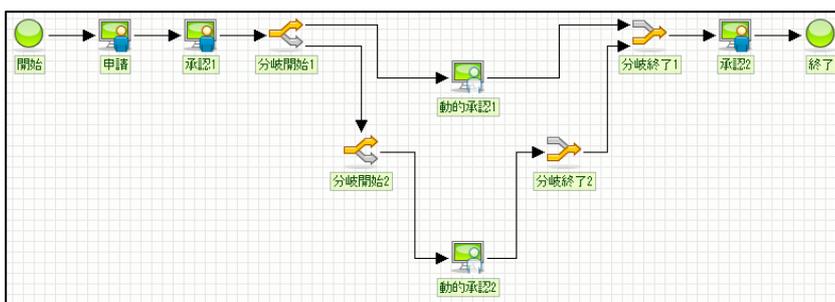
In the route definition shown below, route (line) will disappear if you take the following steps of operation.



■Steps

- 1.[Apply] : Apply
→ Enable [Dynamic Approve 1]·[Dynamic Approve 2]
- 2.[Approve 1] : Approve
→ Disable [Dynamic Approve 1]·[Dynamic Approve 2]
→ Select all transition destinations
- 3.[Approve 2] : Send Back
→[Approve 1]
- 4.[Approve 1] : Approve
→ Enable [Dynamic Approve 1]·[Dynamic Approve 2]
→ Select transition destinations other than [Dynamic Approve 1]·[Dynamic Approve 2]

⇒ In this case route (line) will disappear if there is no node between [Branch Start] and [Branch End].



Saved node setting may not be sometimes reflected correctly on the Matter Handle - Node Edit screen after application is made.

- If you place the template replacement node (first node in template = approve node) immediately after the Apply Node or Approve Node, setting of saved node will not be correctly reflected on Matter Handle - Node Edit screen after the matter application.

Standard process name will be displayed as process name of process history that was processed before redeployment.

- If the horizontally/vertically-placed node which was already deployed is re-deployed, since the node ID is changed, process name of process history that was processed before re-deployment would be the standard process name.

Automatic approval will not be made for the node where re-process automatic approval is set for arrive process.

- If the horizontally/vertically-placed node which was already deployed is re-deployed, since the node ID is changed, automatic approval will not be made for the node where re-process automatic approval is set for arrive process.

If you click the status confirmation icon of process target plug-in for the predecessor process of node setting screen, HTTP500 error may result.

- On the node setting screen of deployed vertically/horizontally-placed node, if the process target setting is dependent on the previous processor like [XXX of Previous Processor], following error screen is displayed when the status confirmation icon is clicked.
"HTTP 500 : Error occurred in the Server."

If the process time limit automatic process batch is executed on Hanko imprint project, automatic process will fail.

- In using the Hanko imprint function if the process that requires Hanko is done by the process time limit automatic process batch, process will be executed by the system user (imw^system). Therefore, it would not be possible to obtain the Hanko for usual use, action process results in error, and automatic process fails.

<*> System user (imw^system) uses the prohibited character (^), which cannot be registered by IM-Common Master as the user code.

Asynchronous Client object cannot be used for the process on standard screen.

- If asynchronous is used for the process on standard screen, Client object cannot be used for the action process and arrive process in script development model.
If HTTP object information is needed, implementation on Java would be required.

Since the node setting information remains in the copied flow definition, the message "Setting is removed." will be displayed if you do the import.

- If you do the import after editing the copied flow definition, route definition, and contents definition, a message "Setting is removed." might be displayed.

[Cause]

Some of the node setting information would remain by editing, and this phenomenon might occur, if the import check condition is met.

(Node setting information remains so that information before the edit can be restored.)

[Operation]

This phenomenon occurs if you do the following operations :

1. Create Contents Definition_A, Route Definition_A, Flow Definition_A, and Rule Definition_A.
2. Make a copy of each definition _ Contents Definition, Route Definition, and Flow Definition _ on each version edit screen.
3. Create Rule Definition_B.
4. Delete Rule Definition_A, which is set in Contents Definition_B.
5. Newly create Rule Definition_B which is set in Contents Definition_B.
6. Newly add Rule Definition_B to Flow Definition_B.
7. Run export process for Contents Definition_B, Route Definition_B, Flow Definition_B, and Rule Definition_B.
8. Import the exported data.

[Effect]

Since the internal information merely matches with the import check conditions, there is no impact to the import process in this case.

There are reminders about the asynchronous process on standard screen.

- If the process synchronous/asynchronous setting on the standard screen is set to asynchronous, there are times when the IM-Workflow process is not performed correctly in such a case as server stoppage during asynchronous process.

If there is any interrupted IM-Workflow process, "Asynchronous Process on-going" information is displayed on [Asynchronous Process Status] screen.

In this status the matter is locked, and so it cannot be processed or approved.

By deleting the "Asynchronous Process on-going" information on [Asynchronous Process Status] screen, the matter lock status is released.

When you restart the server, please do it after the process of IM-Workflow has completely ended.

If it is inevitable from the operation viewpoint that you should restart the server during the workflow process, please set the settings of workflow parameters [Synchronous/Asynchronous Setting of Process on Standard Screen] and [Matter End Process, Reach process, Mail Send Process, IMBox Send Process Synchronous/Asynchronous Control]

to Synchronous.

There are reminders about references to HTTP objects in Asynchronous Action Process and Arrive Process on standard screen.

- With regard to the asynchronous process on standard screen, IM-Workflow process and Action Process / Arrive Process are executed by separate threads. Information stored for the user contents to HTTP-type objects such as HTTPContext and HttpSession are executed by separate threads. They cannot be used (referenced) by IM-Workflow process or Action Process / Arrive Process. In the action process / arrive process, it is recommended to pass the value by workflow parameters.

In consideration of the implementation situation in which the application uses HTTP-type object, a mechanism that would make HTTP-type object accessible from action process / arrive process is also offered. However, since this implementation is deprecated, warning log will be displayed.

Smart Phones

If the PC-version user contents are displayed on iPhone, Android smart phone, or Android tablet, operations may become unstable.

- In case IM-Workflow PC version is used, GreyBox does not support the display on iPhone, Android smart phone, or Android tablet.

Therefore, if you set the PC version user contents as the screen for smart phones in contents definition, and if you process the matter by using PC version contents on smart phones, screen which is displayed by GreyBox would become unstable.

(For details about setting the PC version user contents for smart phone screen, please refer to "IM-Workflow Programming Guide".)

Each process screen (Apply/Re-Apply/Apply(not yet applied)/Temporary Save/Process/Confirm) displayed on GreyBox, and the node setting screens to which these screens will transition have the following limitations as far as our company knows today.

- When you display GreyBox initial time, it is recommended that you display with no zoom.
 - If you initially display GreyBox in a zoomed state, display area of GreyBox may become too narrow.
- If you tap the input item, input item on the screen displayed at the under-layer of GreyBox may be focused.
- Depending on the screen operation, part of the gray-out area of GreyBox may be released allowing the operation at the under-layer of GreyBox.
- Depending on the screen operation, GreyBox extends beyond the browser display area, and access to the input items may not be possible.
- Even if you tap the file name of the uploaded file, download of the file does not take place.
- Concurrent upload of multiple files may not be possible on some devices. You can upload one at a time.
- Display of select boxes that allow multiple selections such as mail destinations of negotiation mail will be different from that on PC version.
 - Display depends on the browser of the device in use.
- Confirmation dialog which is usually displayed before process is displayed near the center location of GreyBox. Therefore, if the confirmation dialog is not focused, it may be hard to find where the dialog is displayed. Or, if the confirmation dialog is focused, it may be hard to find the current location.
- If the exception occurs while executing the process, error dialog is displayed in the upper part of GreyBox. If the upper part of GreyBox is not contained in the display area of the browser, you may not be able to notice that the error log has been displayed and may perceive it as no response.
- If you do the scroll operation in GreyBox, depending on the devices used, the upper edge of GreyBox is forced to automatically match with the upper edge of the browser display area.
 - In this case please access the target item after setting the zoom to minimum (no expansion), or repeat the scroll several times.
- If you change the selection value of [Saved Setting] on Node Setting screen, screen will be reloaded, but the selection menu of [Saved Setting] will remain displayed on the screen.
 - This is just an appearance issue on the screen. Changing the selection value after the screen is reloaded has no effect.

Among the items listed above, if the display of GreyBox screen becomes invalid (e.g. screen slips out of the browser etc.), following measures should be taken.

- Set the zoom to minimum (no expansion), and scroll the screen display to the upper left corner. Display position mismatch on GreyBox may possibly be resolved by this operation. If this 1 operation does not resolve the problem, repeat the zoom → minimize → scroll operation.

In case you need to set the PC-version user contents to the screen for smart phones, please be aware of the following notes about user contents.

- PC-version UI components have not been verified in smart phone environment.
- If you are using PC-version UI components in PC-version user contents, screen display or operation may not be performed correctly.

We do not guarantee for operations if URL is directly specified.

- If you reload (refresh) the URL which is directly specified or displayed as a URL of the browser on smart phones, operations cannot be guaranteed.
You may not be able to tap the button or some unexpected result may happen.

In case spWorkflowOpenPage tag is used, it should be placed inside the element that specifies data-role="page".

- Please place the <imart type="spWorkflowOpenPage"> tag inside the element that specifies data-role="page". Please specify ID attribute as an element.

When the [Back] button is clicked on the process screen, ID of the corresponding element is obtained/specified, and screen transition will occur.

If the <imart type="spWorkflowOpenPage"> tag does not exist inside the element that specifies data-role="page" or if there is no ID attribute for the corresponding element, screen transition by the [Back] button on the process screen is not possible.

There are limitations about the User Contents Screen ID.

- On the IM-Workflow smart phone process screen, screen transition using Ajax is provided. Therefore, on the screens such as user contents screens that are linked with IM-Workflow smart phone process screen, care should be taken so that the ID attribute of the pages do not duplicate.

Shown below are the values of ID attribute which are defined on IM-Workflow smart phone process screen.

- apply
- temporary_save
- approve
- reapply
- unapply
- confirm
- node_config_single
- node_config_multi
- department_config
- department_and_post_config
- post_config
- public_group_config
- user_config
- apply_list_search
- process_list_search
- confirm_actv_list_search
- confirm_cpl_list_search
- transfer

If the attachment file is displayed on the matter detail screen, you cannot return to the matter detail screen, because there is no Close button.

- This also applies to the case in which image output is made from the flow reference screen. If image output is made, you cannot return to the flow reference screen.

On the flow reference screen, scroll bar of the table that shows process date/time, node name, and so on is not displayed.

- Since the screen for PC is displayed, screen display on smart phones may not be correctly performed.

User contents cannot be set for each node in case of smart phones.

- In the smart phone version, even if there are multiple user contents (screens) in contents definition, only the one for [Initial Use] will be effective.
In the PC version, you can set the user contents screen for each node in the flow definition.

For the selection of process target user, items "Role" and "Public Group+Role" cannot be selected, because they do not exist in the IM-Common Master smart phone version.

- If it is selected, nothing will happen.

Negotiation mails for process and pull back cannot be sent.

With regard to the attachment file, only the file types that the device browser supports can be downloaded and displayed.

In case iPhone is used, workflow matter number is recognized as a telephone number.

If the process that does not use user contents is made on smart phones, user parameters cannot be passed to the action process.

- If the action for no user contents is set to [skip], user parameters cannot be passed to the action process unless the process is made through user contents on smart phones.

2013 Spring version allows user content to be defined for smart phones.

Setting value for the action for no user contents (error or skip) has been also provided.

If you set the action for no user contents to [skip], it is the same as the behavior for 2012 Winter or before.

Attachment file of application screen cannot be deleted on NTT Docomo GALAXY S II LTE SC-03D.

- [Phenomenon]
Attachment file of application screen cannot be deleted on NTT Docomo GALAXY S II LTE SC-03D.

[Condition]

Steps for Reproduction

1. Open the application screen for the flow in which file can be attached on Galaxy SII.
2. Upload 3 arbitrary image files.
3. Delete 1 image file before application is made.

Symptom]

[Parameters passed as argument are invalid] error will occur, and file cannot be deleted.

[Circumvention]

This problem may occur when the screen display is not completed because of network delay or slow server performance.

Please upload the attachment file after the display of application screen is completed.

After the confirmation process, same matter is displayed in the list as not confirmed.

- If you set the process setting to asynchronous on standard screen and do the confirmation, screen switches immediately after the confirmation, and the list is displayed.
Since the confirmation process is to be executed asynchronously, confirmation process may not have been completed when the list is displayed.

In this case, same matter is displayed in the list as not confirmed. Since you can do the confirmation process again, there is a risk of doing the confirmation process twice.

[Circumvention]

After you do the confirmation, please check the status of asynchronous process by [Process Done]- [Process Status Tab], see the confirmation process status, and avoid doing the confirmation process multiple times.

There are remarks when registering the user contents with [Apply] screen type to My Menu.

- Menu items that can be registered to My Menu are basically the ones that exist in the site map.
As an exception user contents screen that has [Apply] as a screen type can be registered to My Menu.
In this case my menu can be used only by the standard process screen (the screen that states IM-Workflow tag lib [workflowOpenPage]).
If you register user contents screen that has a screen type other than [Apply], access from My Menu will not work properly.

If system error occurs while processing [Matter End Process/Arrive Process/Mail Send], memory may not be released.

- In the [Matter End Process/Arrive Process/Mail Send] process of IM-Workflow, context information is put into persistent memory while processing, and the memory is released after the process is completed.
If system error occurs during the [Matter End Process/Arrive Process/Mail Send] process, and the process ends abnormally, memory may not be released.
Memory constraints might occur if such system errors are repeated, and therefore Web Application Server should be restarted to release the memory.

Subject department on the Standard Process Screen may not be initially displayed.

- When current department (belonging department on the upper right of General User Screen) in the utility menu is changed, it will be initially displayed in the subject department on the Standard Process Screen in this release.
In the specifications above, subject department may not be initially displayed on the standard process screen.
· If the department that matches with the current department in the utility menu does not exist in the subject department, it will not be initially displayed.
This is caused by the fact that only the default department set can be set as current department in the utility menu, while department other than default department set can be set as standard department in IM-Workflow flow definition.
· Department name which is different from the one selected for current department in utility menu may be initially displayed as a subject department.

Current department in the utility menu has the name on the system date, and the one for IM-Workflow has the name based on the application base date.

If the term setting is done for the department, name at the system date and the name at application base date could be different.

If the node is restored by Pull Back after Send Back, process target user will resume to the one before replacement.

- There are remarks about the process target user of node that is restored by pull back after send back.

In case there are multiple routes within the branch, if Pull Back is made after doing the Send Back from the node on one route to outside the branch, restoration process of node on the other route is executed.

If the process target user of the node waiting for restoration process has been replaced, restoration would be conducted as follows :

· In case the process before restoration is [Suspend(by replacement user)], process target user of the restored node would be only the Suspend User.

Even after the suspend is released, it remains as suspend user only.

· If the process before restoration is other than [Pull Back] or [Pull Back after Send Back], process target user of the restored node will become the one before replacement.

If PC version standard screen is used on iPad(Mobile Safari) or Android smart phone, attachment file cannot be downloaded.

- If PC version standard screen (GreyBox) is used on iPad(Mobile Safari) or Android smart phone, attachment file cannot be downloaded.

IM-Workflow does not support the operations on multiple browsers or multiple tabs, and does not support browser back.

- As are stated as limitations on intra-mart Accel Platform, IM-Workflow does not support the operations on multiple browsers or multiple tabs, and it does not support the browser back.

Same user cannot operate multiple browsers or multiple tabs for the following reasons:

- Directory for the temporary upload of attachment file is for each user.
- User data IDs may overlap depending on the operations pattern.

[*] This symptom occurs in the following operations patterns :

a) Pattern 1

- Open the same temporary save screen from multiple browsers.
- Apply first from one browser.
- Temporary save later by one browser.

b) Pattern 2

- Log in with the same user ID on different PCs.

c) Pattern 3

- After the application is made from temporary save, transition to the temporary save screen by the browser back button and then apply.

User data ID is provided as an item which can be arbitrarily set by customer applications.

In order to assure the flexibility of design, association between User Data ID and the matter is not allowed for 1:N as well as for 1:1.

As a consequence it is not possible for IM-Workflow from the business viewpoint to check if the overlap of user data IDs for the matter is caused by the invalid operations.

In order to assure the uniqueness of user data ID, please check it by the action processes and others in the user program.

Matter Number Allocation Process (DB Sequence Version) is not available on SQLServer 2008.

- DB sequence function is not available on SQLServer 2008. Therefore, matter number allocation process (DB sequence version) provided by intramart Accel Platform 2013 Winter is not available.

Destination field of negotiation mail is displayed as [0 item] on iPad.

- When the PC version process screen is displayed on iPad - MobileSafari, destination field of negotiation mail will be shown as [0 item]. This symptom is caused because of Safari specifications. However, it has been confirmed that the destination setting of negotiation mail and the mail transmission work correctly even though the mail destination field shows [0 item].

Portal

If the site for embedding internet portlet returns X-Frame-Options, internet portlet is not displayed.

- If the site to which internet portlet is embedded returns X-Frame-Options, internet portlet that uses iFrame cannot be displayed.

Width adjustment of portlet may not function properly.

- If the [Theme] that can be changed by personal setting is set to version5.0 or version6.0, an attempt to change the width of row 2 and row 3 in a 3-row array will crush the horizontal width of row 3.

In the case above, circumvention below is available.

You can display the screen again by clicking the tab on the portal.

If you build the environment using long context path and perform tenant environment setup, setup will fail.

- If you build the environment by making context path a character string of 31 bytes or more characters, and execute tenant environment setup, setup of portal module will fail.
When you build the environment, please make the length of context path to 30 bytes or less.

Excess scroll bars are displayed on the edit screen of link collections.

- [Phenomenon]
Extra scroll bars are displayed on the edit screen of link collections.
This is a display only symptom, and will not cause any operational problem.

[Condition]

Browser:Windows8 + Internet Explorer10

Resolution:1024 * 768

ViewCreator · TableMaintenance

If you change the column type on the query edit screen, operations may not be performed correctly.

- On the query edit screen of ViewCreator, column type is automatically set when the column is added.
Column type can be changed, but some unexpected error may happen when the data is obtained.
Operations when the changes are made are outside the scope of support.

SQL statement that is generated in [View Creation] may not be executed as it is.

- In the column list on query edit screen, if one or more [Sort] items are set, ORDER BY phrase will be included in the SQL statement generated by [View Creation].
Depending on the database product in use or its version, it may not be possible to use ORDER BY in CREATE VIEW.
Please edit and run SQL statement as appropriate.

In case Internet Explorer 9 is used, header line on record edit screen may be shifted.

- On the record edit screen of TableMaintenance function, blank cells may be inserted to the header line, and the columns may be displayed as shifted.
This symptom occurs only in environment in which Internet Explorer 9 is used.

In case Internet Explorer 8 is used, 2-byte characters in SQL display on query edit screen are corrupted.

- In case Internet Explorer 8 is used, 2-byte characters in SQL display on query edit screen are corrupted.
<*> This is a display only problem, and does not affect the functional operations.

In TableMaintenance and ViewCreator, only UTF-8 is supported for input/output to CLOB-type field.

- In case input/output is made to the CLOB-type field for the following functions, character code of input data and output data will be UTF-8 and fixed.
 - Text data download/upload to CLOB-type field on record edit screen of TableMaintenance
 - Table export function of TableMaintenance
 - Table import function of TableMaintenance
 - CSV output function in List Summary of ViewCreator

If text data other than UTF-8 is used as input data, character corruption would occur.

If image icon is selected in the display setting of ViewCreator, it may not be displayed on smart phones.

- In the display setting of List (Summary) Total, if image icon has been selected instead of data for display setting, the image may not be displayed on smart phones.

There are limitations about the table names, view names, and fields names that can be handled by ViewCreator/TableMaintenance.

- If characters other than the ones listed below are used for table name, view name, or field name are used according to the specifications of each product, they cannot be correctly handled by TableMaintenance.

Moreover, when the reserved words of SQL are used, they are out of support.

- * Oracle or DB2 case
 - single-byte capital alphabetic character
 - single-byte numeric character
 - underscore
- * PostgreSQL or SQLServer case
 - single-byte small character alphabetic character
 - single-byte numeric character
 - underscore

Event Navigator

If the surrogate pair characters are used in volume for editing event flow in the event navigator on Internet Explorer 8, warning dialog may be displayed.

- If the surrogate pair characters are used in volume for editing event flow in the event navigator on Internet Explorer 8, warning dialog may be displayed.
In the standard setting on Internet Explorer 8, warning screen is to be displayed for every 5,000,000 statements processed in CSJS execution.
If you click [No] in the warning dialog, process will be continued, and eventually it will be completed successfully.
If you want to suppress the display of warning dialog, please access the URL below and change the setting.

<http://support.microsoft.com/kb/175500/ja#LetMeFixItMyselfAlways>

On Internet Explorer 6 and 7 if the transition is made from the link of navigation result to the other tab, URL of address bar is not displayed correctly.

- On Internet Explorer 6 and 7 if the transition is made from the link of navigation result to the other tab, URL of address bar is not displayed correctly.
On Internet Explorer 6 and 7(Google Chrome Frame) if the transition is made from the link of navigation result to the other tab, URL display of address bar will be different from the actual transition destination.
Please be aware that there is no operational problem caused.

ZIP Code Search

This function searches for the postal code and address in domestic Japan.

- Postal code and address in domestic Japan is searched by this function. Postal code and address outside Japan cannot be searched.

Data import process supports only the postal code in CSV format provided by Japan Post Co., Ltd.

- Data import process supports only the postal code in CSV format provided by Japan Post Co., Ltd. Data in any other format cannot be imported.

Standard Theme Customize

Theme module generated by Standard Theme Customize conforms to the version of theme Standard Theme Customize depends on.

- Theme module generated by Standard Theme Customize conforms to the version of theme Standard Theme Customize depends on.

For example,

·Standard Theme Customize 8.0.0 depends on im_theme_dropdown_blue / im_theme_dropdown_simple 8.0.5.

Theme module to be generated will be the 8.0.5 theme module.

·Since the Standard Theme Customize 8.0.1 depends on Theme Module of 8.0.6, theme module generated will be the one of 8.0.6.

IM-ContentsSearch for Accel Platform

There are limitations on the maximum number of contents, if the trial version license is used.

- Number of contents that can be registered for the trial version license are up to 20,000 contents.
Moreover, the unit for contents creation varies depending on each specification of application that registers the contents information.
If you register the license of IM-ContentsSearch for Accel Platform, unlimited number of contents may be registered.

There are limitations about the extraction of text.

- [*] Supported File Format
Shown below is the list of file format that allows text extraction using the text extraction class which is provided as standard.

[List of File Format that allows text to be extracted]

1. plain text text/plain (txt)
2. HTML text/html (htm, html)
3. XML text/xml (xml)
4. PDF application/pdf (pdf)
5. Microsoft Office Word
 - application/msword (doc)
 - application/vnd.openxmlformats-officedocument.wordprocessingml.document (docx)
6. Microsoft Office PowerPoint
 - application/vnd.ms-powerpoint (ppt)
 - application/vnd.openxmlformats-officedocument.presentationml.presentation (pptx)
7. Microsoft Office Excel
 - application/vnd.ms-excel (xls)
 - application/vnd.openxmlformats-officedocument.spreadsheetml.sheet (xlsx)
8. Microsoft Visio application/ vnd.ms-visio.viewer (vsd)
9. ZIP archive application/zip (zip)

[*] Limitations about text extraction

Limitations about text extraction are stated below for each different file format.

1. Plain Text

API automatically judges the character code of text in the plain text file by the statistical method.

However, character code cannot be judged correctly, if the text in the file is too short or if the file contains mixture of character codes. In this case the text that is extracted from the file is corrupted and the search cannot be performed correctly.

2. HTML

API extracts text from the following portions of HTML.

- Text included in the TITLE element in HEAD element
- Text included in BODY element

This API tries to determine the HTML character code by first searching for content-type specified by META tag, and if it fails, judges the character code by the statistical method like for the plain text.

If the character code cannot be correctly judged, text extracted from the file will be the corrupted one.

3. XML

API extracts all the text nodes in XML.

4. PDF

Depending on the specification of setting file (<CONTENTS_PATH>/WEB-INF/conf/solr-extractor-config.xml), the API extracts text from PDF using either one of the followings :

1. PDFBox (<http://pdfbox.apache.org/>)
2. Xpdf (<http://www.foolabs.com/xpdf/>) attached command "pdftotext"
3. Freeware "xdoc2txt" (http://www31.ocn.ne.jp/~h_ishida/xdoc2txt.html)

Number of PDF types that support text extraction will increase by using pdftotext or xdoc2txt.

In case pdftotext or xdoc2txt is used, Xpdf or xdoc2txt.exe should be installed on every machine intra-mart AccelPlatform is working,

and the environment that allows each command to function correctly should be in place.

It should be noted that xdoc2txt.exe will work only on Microsoft Windows machine.

For every case stated above, it is not possible to extract text from the PDF files that are encrypted by password (PDF files that request password when opened by PDF viewer).

5. Microsoft Office Word

Depending on the specifications of setting file, the API extracts text from Word file by using either one of the followings :

1. Apache POI (<http://poi.apache.org/>)
2. xdoc2txt

Regardless of whether you use 1. or 2. above, text from the Word file (doc) of Office 2003 or before and the Word file (docx) of Office 2007 can be extracted.

In case xdoc2txt is used, xdoc2txt.exe should have been installed, and the environment that allows normal operation should be in place.

Please be aware that xdoc2txt.exe will work only on Microsoft Windows.

Regardless of whether you use 1. or 2., it is not possible to extract text from the Word file that is password protected.

6. Microsoft Office PowerPoint

Depending on the specifications of setting file, the API extracts text from PowerPoint file by using either one of the followings :

1. Apache POI (<http://poi.apache.org/>)
2. xdoc2txt

Regardless of whether you use 1. or 2. above, text from the PowerPoint file (ppt) of Office 2003 or before and the PowerPoint file (pptx) of Office 2007 can be extracted.

In case xdoc2txt is used, xdoc2txt.exe should have been installed, and the environment that allows normal operation should be in place.

Please be aware that xdoc2txt.exe will work only on Microsoft Windows.
Regardless of whether you use 1. or 2., it is not possible to extract text from the PowerPoint file that is password protected.

7. Microsoft Office Excel

Depending on the specifications of setting file, the API extracts text from Excel file by using either one of the followings :

1. Apache POI
2. xdoc2txt

Regardless of whether you use 1. or 2. above, text from the Excel file (xls) of Office 2003 or before and the Excel file (xlsx) of Office 2007 can be extracted.

In case xdoc2txt is used, xdoc2txt.exe should have been installed, and the environment that allows normal operation should be in place.

Please be aware that xdoc2txt.exe will work only on Microsoft Windows.

Regardless of whether you use 1. or 2., it is not possible to extract text from the Excel file that is password protected.

8. Zip Archive

Text is extracted from each file in ZIP archive, and the name of each file is also added to the extracted text.

It is assumed that file names in ZIP archive are encoded by Windows-31J (known as Shift_JIS), and recorded in ZIP. This is the correct assumption most of the times for ZIP files created on Japanese Windows.

If the file names in ZIP archive are not encoded by Windows-31J, extracted text would be corrupted.

Please be aware that the character corruption is seen only on file names and the text extracted from the file will not be affected.

If the ZIP file includes encrypted files, the API extracts only their file names as text.

Encryption can be judged only when the file is in ZIP 2.0 compatible archive format.

ZIP folders created on Windows are usually compatible with this format.

Update Related

Update (from 2013 Winter to 2014 Spring)

Common (Overall)

Contents of Update Guide are verified only on Resin.

- Contents of Update Guide are verified only on Resin.

They are not verified on any other application server.

version 7.2 Related

Compatibility

It is necessary for the master to be synchronized for the use of compatibility module.

- If compatibility module is used, it is necessary to do the migration from the state in which IM-Common Master and Application Master are synchronized in version 7.2. Please refer to the Migration Guide for detail.

There are differences in the set of characters allowed between old and new masters.

- If the data that are migrated from Application Common Master contain characters that are not permitted in IM-Common Master (such as user code), the data cannot be handled.

Limitations on Document Workflow (BPW) conform to the limitations on intra-mart Web Platform 7.2.

- Limitations on Document Workflow (BPW) conform to the limitations on intra-mart Web Platform 7.2.

Process definition name and Task name should not include [, (single-byte comma)] or [# (single-byte sharp)].

- If [, (single-byte comma)] or [# (single-byte sharp)] is included in the process definition name or task name, error will occur on the Delegation Setting Screen.

If the screens created by iWP / iAF do not support the standard mode of Internet Explorer, screens may not work properly.

- Internet Explorer has the following specifications:
 - a. On Internet Explorer, if the uppermost page is displayed in the standard mode, all the IFrames in the page are displayed in the standard mode.
(Reference: http://blogs.msdn.com/b/ie_jp/archive/2011/11/01/10231935.aspx (Japanese))

b. On Internet Explorer, some HTML functions and DOM functions have been modified to keep consistencies with the latest standard support and browsers other than Internet Explorer.

(Reference: [http://msdn.microsoft.com/ja-jp/library/ie/dn467850\(v=vs.85\).aspx](http://msdn.microsoft.com/ja-jp/library/ie/dn467850(v=vs.85).aspx) (Japanese))

c. Only the ID attribute is searched by document.getElementById(). (In the older versions of Internet Explorer the name attribute was searched as well.)

(Reference: [http://msdn.microsoft.com/ja-jp/library/ie/ms536437\(v=vs.85\).aspx](http://msdn.microsoft.com/ja-jp/library/ie/ms536437(v=vs.85).aspx) (English))

intra-mart Accel Platform assumes that Internet Explorer is operated in Standard Mode.

Moreover, if the screens of iWP / iAF are operated by utilizing external menu linkage or by porting to intra-mart Accel Platform, it is assumed that the screens of iWP / iAF are usually displayed inside IFrame for operations.

Because of these factors stated above, if the screens created by iWP / iAF do not support the standard mode of Internet Explorer, screens may not function properly.

Concrete examples of screens that do not work :

(1) Left and right angle brackets (<>) are used to create an element in createElement.

Left and right angle brackets (<>) are used to create an element as shown in document.createElement("<div id='foo'/>").

(2) In case an element is obtained by getElementById(), name attribute of the element is used for the search.

The element such as <input type="hidden" name="foo" id="bar" value="baz"/> is obtained by document.getElementById("foo").

In order to circumvent this symptom, please either use FireFox or modify the screen so that it works in the standard mode of Internet Explorer.

BackwardSync (master synchronization with version 7.2)

User code should not exceed 50 bytes.

- Column size of user code of [imm_user] and [b_m_account_b] tables in intra-mart Accel Platform is 100 bytes. On the other hand the size of account of version 7.2 is 50 bytes. Therefore, if the size exceeds 50 bytes, migration of user account intra-mart Accel Platform -> version 7.2 will fail.

Master information should not be operated at the intra-mart WebPlatform / intra-mart AppFramework Ver.7.2 side.

- If the information is operated at the intra-mart WebPlatform / intra-mart AppFramework Ver.7.2 side, mismatch with the data synchronization from intra-mart Accel Platform will occur, and correct synchronization cannot be achieved.

Migration

Common (Overall)

Contents of migration has been verified only for Resin.

- Contents of migration guide has been verified only for Resin.

It has not been verified for other application servers.

Common (SQL Server)

In case of SQL Server, every character string type will be NVARCHAR.

- Every character string type will be NVARCHAR.
 - If the character code of intra-mart WebPlatform is built not on UTF-8, character string type will be CREATED with VARCHAR.
 - In this case environment needs to be re-built by UTF-8 in advance.
 - Related information **Only those users who use "9" at the end of user code would suffer bad performance**

Common (Module Structure)

Migration module is necessary at the tenant environment setup time for the tenant that has upgraded the version from intra-mart WebPlatform to intra-mart Accel Platform.

- If the war file is re-deployed to the environment in which intra-mart WebPlatform is upgraded to intra-mart Accel Platform, migration module is necessary at the tenant environment setup time for the tenant that has upgraded the version from intra-mart WebPlatform to intra-mart Accel Platform.
 For example, if the upgrade of intra-mart Accel Platform or addition of function using IM-Juggling is made against the tenant in which intra-mart WebPlatform is upgraded, migration module is necessary at the tenant environment setup for the tenant that has made the migration.
 Therefore, in the environment where the tenant that has made the version upgrade from intra-mart WebPlatform to intra-mart Accel Platform using migration module and the tenant that has been newly added by intra-mart Accel Platform are mixed, it is necessary to conduct both the tenant environment setup with the migration tool and the tenant environment setup without the migration tool separately.

Common (Date)

Term information in several data will not be adjusted by the system start/end date.

- Default value of the system minimum data and maximum date retained by the platform will be changed as follows, but the date adjustment will not be made by Migration Tool.
 - intra-mart WebPlatform <*> fixed value
 - minimum date="1582-10-15"
 - maximum date ="9999-12-30"
 - intra-mart Accel Platform <*> setting file
 - minimum date="1900-01-01"
 - maximum date="2999-12-31"

In association with the above, alert message may be generated by the input check when data is updated on the screen after migration.

If alert message is generated, please set the values again in the appropriate range.
 Area affected will be the [Validity Start Date], [validity End Date], and so on in various data.

It will function without changing these dates. However, if the dates need to be updated, please set them within the range of intra-mart Accel Platform.

- Please pay special attention if the dates need to be changed by the master import.

FormatCreator / IM-VisualDesigner

Data in FormatCreator/IM-VisualDesigner cannot be migrated.

- FormatCreator/IM-VisualDesigner is not supported, and data cannot be migrated.
- All the linked workflows (Document Workflow / IM-Workflow) must be completed.
 - After migration, detail screen cannot be displayed, and so process cannot be executed.
 <*> Error will occur, since contents screen does not exist.
 - Reference to flow is possible.
- Please recreate the contents screen as required, and create the new workflow.
 - If it is imperative to do the migration, please contact our Consulting Service department.

IM-ContentsSearch

Information in IM-ContentsSearch is not migrated.

- Data is not migrated.
 - Index does not have compatibility, and everything needs to be recreated.
- It is necessary to re-set all setting files.
- Crawlers previously created will be made available as compatibility batch by installing compatibility module for IM-

ContentsSearch.

- However, part of the specifications were changed for such cases as facet is used, and you may not be able to see the intended operations.

IM-ContentsSearch template needs to be corrected.

- The template created needs to be corrected according to the Programming Guide for intra-mart Accel Platform.

IM-Workflow

UI support is needed for the contents screen of IM-Workflow.

- UI support of intra-mart Accel Platform is required for the contents screen.

Integrated workflow is not supported.

- Integrated workflow is not supported.

IM-Common Master

Related data for corporate in IM-Common Master is not migrated.

- Corporate and its related data (linkage with corporate set, corporate classification belongings, linkage with customer) are not migrated.

Please set them again on intra-mart Accel Platform.

- Corporate sets and customers are migrated.

Currency and currency rate data in IM-Common Master are not migrated.

- Currency and currency rate data are not migrated.
Please set them again on intra-mart Accel Platform.

TableMaintenance

Setting data in TableMaintenance is not migrated.

- In intra-mart Accel Platform, individual access right to the tables is delegated to the authorization function.
- You should manually re-set the logical names of tables and fields by using [Table / Caption Setting].

ViewCreator

Some data in ViewCreator is not migrated.

- Following data items are not migrated. They should be manually set again after the migration process is completed.
 - Authority Information
 - Date format and number format of list summary
 - Number format of cross summary
 - Update date of query and data reference
 - Portlet
 - Portlet setting has been migrated by the portal migration module, but it does not function.

There are changes in the authority information of ViewCreator.

- There are following changes about the authority information.
 - It is no longer possible to set post as access right.
 - In case access right for data reference is undefined, while any user can have access data on intra-mart WebPlatform,

it is not possible to access data on intra-mart Accel Platform, because there is no access right.

Access Security (Web Service Access Right)

Web service access right is not migrated.

- Please set the access right to the service/operations based on the authorization setting of intra-mart Accel Platform.

Access Security (Account)

Part of account attribute information is deleted.

- Data with attribute value "null" or "space character string" are deleted from account attribute information.

Access Security (Calendar)

Part of calendar data is not migrated.

- Following data are not migrated.
 - [Public Holiday]
 - [Name / Holiday / Non Holiday] for which plug-ins are set
- After the migration is completed, please take the following actions to the migrated calendar from [Calendar Maintenance] screen
 - Please include the date information sets for the necessary countries.
 - Data for 3 countries __ Japan, USA, and China are provided as standard.
 - If [Public Holiday] has been uniquely set, please register it again.
 - If it was computed by the plug-ins, please register calendar information with specified date.

Sort keys for the migrated date information will be automatically numbered.

- [sort key] which is available from intra-mart Accel Platform will be numbered according to the sort contents when the date information is searched on intra-mart WebPlatform.

Data name of calendar data is not migrated.

- [Data Name] does not exist in intra-mart Accel Platform, and so it is not migrated.

Specifications of screen display based on display colors of date information will vary.

- There are following specification changes on the screen display by [Display Color]. Please check the calendar display, and make necessary settings.
 - intra-mart WebPlatform ... set to background color
 - In case Compatibility API is used, this setting is used.
 - intra-mart Accel Platform ... set to character color

For the calendar related settings, please refer to [[Tenant Administrator Operations Guide](#)]-[[Calendar Maintenance](#)].

Calendar ID may need to be changed before migration.

- If the calendar ID should become identical to the calendar ID or date information set ID of the calendar that is installed standard on intra-mart Accel Platform, it needs to be changed.
 - Please change calendar ID using export/import on intra-mart WebPlatform side.
 - Calendar ID and Date Information Set ID that are used in intra-mart Accel Platform standard calendar are as follows :

Calendar	Calendar ID	Date Information Set ID
Japan	JPN_CAL	JPN_DAY-SET
USA	USA_CAL	USA_DAY-SET
China	PRC_CAL	PRC_DAY-SET

Maintenance of date information data is necessary after migration.

- Since the input pattern allowed to specify [Date] has been changed, date information data needs maintenance.
 - If the combination of [Date] + [Day of Week] is being used, such measures as specifying the pertinent date directly would be necessary.
 - Input patterns allowed on intra-mart WebPlatform
 - [Day/Day of Week/Week of Month/Day of Week in Month/Day of Week] can be combined as you like.
 - You can set [Everyday] by not setting any value to the items above.
 - There are 32 combination patterns in total.
 - Input patterns allowed on intra-mart Accel Platform
 - Everyday
 - Day
 - Day of Week (every week)
 - Day of Week in Month
 - Week of Month (Day of Week in Week of Month)

Access Security (Short-cut URL)

Short-cut URL will not be migrated.

- Short-cut URL data is not migrated.

Access Security (Batch)

Batch is not migrated.

- Similar job net is available for standard batch, and it should be manually set again.

Access Security (Password History)

Password history is not migrated.

- Password history data is not migrated.

Access Security (Menu)

Export file of menu should always be placed.

- It is mandatory to have the export file of menu. It is necessary to have at least 1 menu.
 - Even if there is no menu that should be migrated, you should at least leave 1 menu.

Menu ID is set for the Resource ID of the authorization generated in menu migration.

- Since menu ID is set for the authorization resource ID, you should not set the same value with that of authorization resource setting for other functions (such as Web service).

If the menu with same URL exists in the menu to be migrated, migration cannot be performed correctly.

- Since the menu with same URL would result in same routing setting (URI), migration cannot be performed correctly.
 - You should set the different URLs, and after migration provide maintenance on Menu Setting, Routing Setting, and Authorization Setting.

Access Security (Role)

If the migration source has a role that has the same role ID with the role of intra-mart Accel Platform, its contents will be overwritten.

- If the migration source environment has a role with the same role ID with the standard role installed on intra-mart Accel Platform, the role will be overwritten with the contents of migration source.
 - Please compare the roles before and after migration, and provide maintenance.

Access Security (Information Update Management)

Information Update Management is not migrated.

- Data of information update management is not migrated.

Access Security (Group Management Authority User Menu)

Group Management Authority User Menu is not migrated.

- You can set administration authority to the subject users according to the authorization setting of intra-mart Accel Platform.

Application Common Master

Please refer to the Compatibility Support Table for Application Common Master API.

- Please refer to the compatibility support table for application common master API.

Please refer to the Compatibility Guide for the compatibility functions of Application Common Master.

- Please refer to the compatibility guide for compatibility functions.

Document Workflow (BPW)

Theme setting for the contents screen of document workflow is required.

- Since each screen is displayed using IFRAME, it is necessary to do the setting of theme-no-theme-path-config for contents screen.

Document workflow is not available on smart phones.

- It is not supported on smart phones.

Role of document workflow is to be set again.

- Role [bpwsuper] will be re-set as [BPW Administrator].
 - Name is updated.
 - Sub-role settings are maintained.

Portal

Access right setting for portals is not migrated.

- Please set access rights for Portal, Portlet, and Portlet Edit Mode according to the authorization setting of intra-mart Accel Platform.

Warranty Regulations

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