

webMethods Integration Cloud 3.6.0 Readme

July 2017

This file contains important information you must read before using webMethods Integration Cloud 3.6.0. You can find system requirements, user documentation, and installation and upgrade instructions on the [Documentation website](#) or the [TECHcommunity website](#). At those locations, you can also find suite-related security and globalization information.

Included in this file is information about functionality that has been added, removed, deprecated, or changed for this product. Deprecated functionality continues to work and is supported by Software AG, but may be removed in a future release. Software AG recommends against using deprecated functionality in new projects.

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1.0 Critical Information

This section lists any critical issues for the current release that were known when this readme was published. For critical information found later, go to the Knowledge Center on the [Empower website](#).

2.0 Known Issues

This section lists any issues for the current release that were known when this readme was published. For known issues found later, go to the Knowledge Center on the [Empower website](#).

- LIP-3087
Pipeline mapping screen does not respond if there is a large number of nested complex fields.
The pipeline mapping page becomes unresponsive when a large number of nested complex fields is selected in a custom operation.
Workaround: While creating a custom operation, ensure that you select only the required fields.
- LIP-2543
Infinite document reference loops lead to errors.
When a document type is created with a document reference to the same document type, it leads to infinite document reference loops. Errors are observed when this document type is used in the pipeline.
There is currently no workaround for this issue.
- LIP-3932
Audit log displays both Login and Logout entries after you have logged into Integration Cloud.
When you log in, both Login and Logout entries appear in the Audit log. The Audit Log should display only the Login entry.
There is currently no workaround for this issue.

3.0 Usage Notes

This section provides any additional information you need to work with the current release of webMethods Integration Cloud.

- webMethods Integration Cloud is best experienced using Google Chrome browser or Mozilla Firefox. Some features may not work if you are using Microsoft Internet Explorer 10.0 or earlier versions.

4.0 Other Resolved Issues

This section lists the issues that were resolved in each release. A release is listed in this section only if changes occurred in that release.

Release 2.6.0

- LIP-1233
On upgrading webMethods Integration Cloud, the older version browser's cache and cookies are not cleared automatically.
When Integration Cloud is upgraded to a new version, the browser's cache and cookies are not cleared automatically. This leads to incorrect display of page content.
This issue is resolved.

Release 2.1.0

- LIP-1842
If you click "Settings" when the iPad is in portrait mode, Users, Password Policy, Access Profiles, Advanced Security, Company Information, and Stages Management links are not visible.
This issue is resolved.

Release 1.5.1

- RGHCC-82
If SuccessFactors is queried with more than 200 requests, the operation is successful for the first batch of 200 requests, but fails for the second batch.
This issue is resolved.
- RGHCC-84
Operation creation fails for the following Goal Business Objects:
GOAL\$1, GOAL\$2, GOAL\$3, GoalMilestone\$2, GoalMilestone\$3, GoalTask\$2, and GoalTask\$3.
This issue is resolved.

Release 1.5

- LIP-1292
Fonts does not appear consistent when viewed in an iPad.
When webMethods Integration Cloud is viewed in an iPad, the fonts are not consistent.
This issue is resolved.
- LIP-1340
The *Unmap* option in the Transformer window does not allow you to unmap multiple mappings.
While adding a Transformer, the user is not able to unmap multiple mappings.
This issue is resolved.

Release 1.2

- LIP-1042
Session time out effects.
If the session times out when you are in the Stages Management, Integrations, or Applications pages, and if you click any link, the login page is not displayed.
This issue is resolved.
- LIP-1116
Providing values for an array of complex data structure in the Query parameters section are not handled.
You will not be able to provide values for an array of complex data to Query parameters in the Data filter step of the Integration Wizard. You can provide multiple values for a field of type String array.
This issue is resolved.
- LIP-1066
Save button in the Integration wizard is always enabled even when the Integration is saved.
This issue is resolved.
- LIP-945
Selected Integration collapses when pulled into a stage.
When you select an Integration and pull it into a stage, the Integration list page is refreshed and your selection is lost.
This issue is resolved.
- LIP-1165
Logout after deleting or changing the Access Profile of the Administrator.
Integration Cloud logs off after the Administrator is deleted or the Access Profile of the Administrator is changed.
It is recommended not to delete or change the Access Profile of the Administrator.
This issue is resolved.

Release 1.1

- LIP-1084
Incorrect validation message appears when an Integration, Account, or Operation name contains a period "." in it.
The following message appears when the name has a period in it, which is not descriptive of the issue:
"You have entered an invalid Account name. Details: Extra words after ."
Workaround: Period is an invalid character in a name. Remove the invalid character from the name.
- LIP-1106
UI inconsistencies.

Alignment issues on the Connector details, and Settings pages, Integration, and Operation wizards. The issues are resolved.

- LIP-1074
Scheduler Issues.
Scheduler is scheduling past dates in the “Schedule At” field. Further, the “Repeat every” field is not shown as mandatory.
The issues are resolved.
- LIP-1149
Clear button is not working in the Integration wizard.
The “Clear All” button is not clearing the Look up and Transformer fields.
This issue is resolved.
- LIP-1176
“Australia” is missing from the “Country” list displayed in the Registration page.
The “Country” list did not have a record for Australia and other countries.
This issue is resolved.
- LIP-1175
“List of Integrations” page does not display properly if all the four stages are present.
The “List of Integrations” page does not display properly if all the four stages are present. Three stages appear correctly but if one more stage is added, the Stages tab shifts to the right.
This issue is resolved.
- LIP-1113
Access profiles are not sorted correctly in the New User page.
Access Profiles listed in the New User page are not sorted accurately.
This issue is resolved.
- LIP-1124
Connection or Account icon is incorrect for the Account with the same name on the Stages Management page.
If you create an Account in two stages and if you create an Account in the other connector or Application with the same name, but have configured it only in the development stage, the correct icon does not appear for that particular connection.
This issue is resolved.
- LIP-1153
Company information cannot be modified.
The Company Information cannot be edited. The Apply button is grayed out and not active.
This issue is resolved.
- LIP-1151
Message for unlimited available Accounts does not appear in the UI.
Accurate message does not appear in the UI for available unlimited Accounts.

This issue is resolved.

5.0 Documentation Changes

This section describes *significant changes* to the documentation, such as the addition, relocation, or removal of product guides, online help, chapters, or other major content. A release is listed in this section only if changes occurred in that release.

Release 3.6.0

- REST Application
- New Applications
- Registration page changes
- SOAP Account configuration changes

Release 3.5.0

- Recipes
- New Applications
- “Show Signature” and “Test” options on Operations screen

Release 3.1.0

- Container management
- Execution results enhancements
- Dashboard enhancements
- New Applications
- New Services under Document and Flow blocks
- New Control Flow blocks

Release 3.0.0

- Container management service
- Complex fields

- Upgrade

Release 2.6.0

- Dashboard for monitoring
- SAML 2.0 based Single Sign-On
- Business data logging
- Secure File Transfer Protocol (SFTP) Application including predefined SFTP operations
- Amazon Simple Notification Service (SNS) Application
- SAP Cloud for Customer (C4C) OData v2.0 Application
- Marketo Application

Release 2.5.0

- New services added under String category
- FTP predefined operations
- Alfabet Application Account configuration fields

Release 2.1.0

The following new sections are added in the *webMethods Integration Cloud Help*:

- New services added under Date, Document, List, and Flow blocks
- Changes to Reference Data signature
- Indexed mapping

Release 2.0

The following new sections are added in the *webMethods Integration Cloud Help*:

- Document Types
- Define input/output signature of an Integration
- File Transfer Protocol (FTP/FTPS) Application
- New services added under Flat File, JSON, and XML

- Audit Log

Release 1.6.0

Added the following sections in the *webMethods Integration Cloud Help*:

- Advanced Security
- Custom Applications
- Built-In Services
- Reference Data

Release 1.5

- Added a section in the *webMethods Integration Cloud Help* on how to create orchestrated Integrations.

Release 1.0

- The new context-sensitive *webMethods Integration Cloud Help* describes how to use Integration Cloud and its features.

6.0 Terminology Changes

A release is listed in this section only if changes occurred in that release.

7.0 Added, Removed, Deprecated, or Changed Items

This section lists functionality, controls, portlets, properties, or other items that have been added, removed, deprecated, or changed. A release is listed in this section only if changes occurred in that release.

Release 3.6.0

Added Item	Description
Create REST Applications	Integration Cloud now allows you to define REST Resources and Actions and create REST Applications.

Added Item	Description
New Recipes	<p>New recipes are added in this release. The recipes page now displays the number of times each recipe has been used to create Integrations. The page also displays the Applications referenced in the recipe.</p>
New Applications	<p>The following Applications are added in this release:</p> <ul style="list-style-type: none"> ▪ <i>Apache Solr</i> - webMethods Integration Cloud connects to Apache Solr using the REST API Version 6.1 and allows you to execute search operations over the indexed data. ▪ <i>Concur</i> - webMethods Integration Cloud connects to Concur using the Concur API v3 and allows you to manage expenses and travel requests. It includes the Expense and Travel Request services. ▪ <i>Coupa</i> - webMethods Integration Cloud connects to Coupa using the Coupa API v17 and allows you to create, update, and query individual entries (records) within Coupa. It manages indirect purchases, invoices, and expenses in real-time and provides executive dashboards and expense management. ▪ <i>Cumulocity</i> - webMethods Integration Cloud connects to Cumulocity using the API version 0.9 and allows you to manage assets and Internet of Things (IoT) devices. ▪ <i>SugarCRM</i> - webMethods Integration Cloud connects to SugarCRM using the Interface for RESTful Web Services v10 and manages the CRM data. You can use it to retrieve, query, create, update, and delete business objects of any type. ▪ <i>Zendesk</i> - webMethods Integration Cloud connects to Zendesk using the Zendesk API v2. It includes ticketing system, self-service options, and customer support features, and allows you to create, update, and solve customer support tickets, and also track problems and questions.

Added Item	Description
Double-click to set field values	You can now double-click a field while mapping and set a value for that field.
View Docker Image Tag label details	You can now view the Docker Image Tag label details on the <i>Image Tag</i> details page.
View the number of available Docker containers	You can now view the number of available Docker containers in the repositories screen based on your license permissions.
Password Policy changes	<p>The following fields are added in the <i>Password Policy</i> page:</p> <ul style="list-style-type: none"> • Password Never Expires for • Inactive Session Timeout
SOAP Account configuration changes	Protocol, Host, and Port fields in the SOAP Account configuration page are replaced with the <i>URL</i> field.
Save Integration execution test results	You can now either open or view an Integration execution test result entry or save it locally in JSON format. You can also delete the selected test result entry from the <i>Test Results</i> page.

Added Item	Description
Licensing model changes	<p>Licensing model has now changed and the details are as follows:</p> <ul style="list-style-type: none"> • Licensing is now based on the number of Applications and not on the number of Accounts created. • If an Application has an Account, then the Application is considered as being used. • The total number of Applications allowed is 2 for Basic, 5 for Advanced, and 8 for Enterprise editions. • You can now use all released versions of an Application, that is, you can use both version 29 and 31 of Salesforce CRM. The Application count will still be considered as 1. • The Application count will be considered as 1 for any number of custom SOAP or REST Applications created in Integration Cloud. • The “Applications” page message now displays the total number of allowed Applications and the total number of Applications used. On-premises applications are not counted as part of the total number of applications allowed.
Redesigned Registration page	<p>The <i>Registration</i> page has a new look and feel in this release. Further, the following fields are added:</p> <ul style="list-style-type: none"> • Your Role • Company Size • Is your interest based on

Release 3.5.0

Added Item	Description
Recipes	<p>You can now use pre-built Orchestrated or Point-to-Point Integration templates to create an Integration. Recipes are based on the most common integration needs and can significantly reduce the effort required to build an Integration. You can also preview the recipe description and its assets before using the recipe.</p>

Added Item	Description
Alphanumeric characters on the New Registration, Reset Password, and Login screens	Integration Cloud now displays distorted alphanumeric characters on the “Password Reset” and “New Registration” screens. Further, if you are not able to successfully login after a few attempts, you are required to enter the distorted alphanumeric characters that appear on the login screen.
Password in a follow-up email	After you submit the new registration form and as soon as the registration process is complete, an email is sent to the email address you provided during registration. A follow-up email is now sent that contains the temporary password. The follow-up email is also sent for “Password Reset”.
New Applications	<p>The following Applications are added:</p> <ul style="list-style-type: none"> ▪ Google Cloud Storage ▪ SAP S/4HANA Marketing Cloud
Enhanced Integration Scheduling	You can now define a recurrence pattern to schedule integration flows at 1 minute intervals.
New types Integer, Short, Long, Float, Double, and Boolean are introduced for defining the data contained by a field.	While defining fields of a Document Type, you can now specify Integer, Short, Long, Float, Double, and Boolean as types.
Enhanced Operations screen	<p>“Show Signature” and “Test” options are now available on the Operations screen.</p> <p>The “Show Signature” option allows you to view the Input and Output signature of all predefined and custom Operations.</p> <p>The “Test” option allows you to test all predefined and custom Operations. Both Trigger and Action Operations can be tested. If an operation does not have an input signature, the input fields are not displayed.</p>
Enhanced Business Data logging	Integration Cloud now allows you to capture business data for all (successful and error) transactions. The “Always” option is added in the “Select Business Data to log” dialog box, which allows you to <i>always</i> log select business data from the Operation and Integration signature.

Added Item	Description
Enhanced Dashboard	Integration Cloud Dashboard displays the number of in-progress Integration executions. You can now click on the number to view the in-progress Integration execution details.
Reference Data in Point-to-Point Integrations	Reference Data is now available in Point-to-Point Integrations while transforming data.

Changed Item	Description
getSession	Name of the “getSession” service is changed to “getSessionInfo”. The service is available under the Services > Flow block.

Release 3.1.0

Added Item	Description
Redesigned Container management UI	Container Repository and Services screens are reorganized for improved usability. Container now includes elastic volume for Docker application data persistent.
Run Universal Messaging (UM) as a container	Universal Messaging (UM) can now be run as a container in Integration Cloud. For creating the UM Docker images supported by Integration Cloud, you must run the Integration Cloud UM script to modify the base image before it is uploaded into Integration Cloud.
New Service	“getSession” service is now added under the Services > Flow block.

Added Item	Description
Redesigned Execution Results screen	You can now view execution results for all Integrations in all stages for a specified time period. Execution status filters are provided to filter the results. Numbers inside the status filter circles indicate the sum of the execution counts for that status. Detailed screens are provided to view the number of documents processed by an Integration along with information about the Operations for a selected Integration. You can also view the business data logs when errors occur along with custom messages from the Execution Results screen.
Redesigned Dashboard screen	The Dashboard now displays the total number of documents processed (counted using the countProcessedDocuments service) by an Integration or for all Integrations. It also shows Integration executions that have completed with errors.
Alerts on Welcome screen	You can now view alerts on the Integration Cloud Welcome screen. High severity messages appear in red color. Medium severity messages, for example, deprecated information, appear in yellow color. Low severity messages, for example, scheduled and upgrade messages, appear in blue color.
New Services	groupDocuments, documentToBytes, bytesToDocument, and sortDocuments services are added under the Document block. countProcessedDocuments service is added under the Flow block.
New Applications	The following Applications are added: <ul style="list-style-type: none"> ▪ Avalara AvaTax ▪ Google BigQuery ▪ Magento eCommerce Platform ▪ OData v2.0 ▪ ServiceNow Enterprise Service Management (Geneva) ▪ Slack

Added Item	Description
Copy fields and Paste fields	You can now copy a field from a pipeline view or a Document Type view and depending on the context, paste either the field or the field path.
New Control Flow blocks	“Exit Integration”, “Exit Integration with failure”, and “Break out of loop” blocks are now added under the Control Flow category.

Deprecated Item	Replacement, if any
ServiceNow Enterprise Service Management version Calgary.	ServiceNow Enterprise Service Management version Geneva.

Release 3.0.0

Added Item	Description
Container management service	You can now package existing webMethods Integration Server services as a Docker image or a repository and upload them in the Integration Cloud registry using the Docker CLI. From the Integration Cloud User Interface, you can create Docker containers from those repositories and start, stop, or delete the container services.
Support for upgrading Accounts and Operations	You can now upgrade Accounts and Operations from a lower version to a higher version. If an upgrade is available, the upgrade notification text appears on the Applications screen beside the Application. In this release, only Salesforce CRM Application can be upgraded from v29 to v31.
Support for complex fields	Integration Cloud now allows you to select nested data fields while creating a custom operation.
Enhanced look and feel for the User Interface	Integration Cloud User Interface has a new look and feel in this release. The screen layout and width has changed but there is no change in the User Interface functionality.
Field level help texts	For some fields in Integration Cloud, you can now point the mouse cursor to the help icon (?) next to a field, and view the field level help text.

Deprecated Item	Replacement, if any
Salesforce CRM version 29 is deprecated.	Salesforce CRM version 31.

Release 2.6.0

Added Item	Description
Performance data on Welcome screen	You can now view performance data regarding Integration executions on the Integration Cloud Welcome screen.
Dashboard for monitoring	Dashboard provides a centralized and intuitive way to view and monitor Integration executions and performance details. You can quickly identify, diagnose, and address problems in Integrations. Dashboard is available on the “Monitor” menu.
Integration Cloud User Interface	“Audit Log” and “Execution Results” are now available on the “Monitor” menu.
Business Data Logging	Integration Cloud now allows you to log select business data from the Operation and Integration signature. Values of logged fields can be viewed in the “Business Data” section in Execution Results. You can also create aliases for the logged fields.
New Service	The “logCustomMessage” service is added under the Flow block.
Download Execution Results	You can now download execution results from the Execution Results screen.
SAML 2.0 based Single Sign-On (SSO)	Integration Cloud now supports Single Sign-On (SSO) that allows users to authenticate themselves against an Identity Provider (IdP). Both Service Provider and Identity Provider initiated SSO capabilities are supported.
Federation ID for SSO	You can now enter the <i>Federation ID</i> in the <i>User profile > Basic</i> tab if your Identity Provider passes the Federation ID for Single Sign-On.
Secure File Transfer Protocol (SFTP)	You can now connect to a SFTP server using the new SFTP Application and download files from or upload files to an SFTP-enabled server using the secure file transport channel.

Added Item	Description
Amazon Simple Notification Service (SNS)	An additional Application for Integration Cloud. Integration Cloud connects to Amazon Simple Notification Service (Amazon SNS) using the REST interface and allows you to publish messages and deliver them to subscribers and other applications.
SAP Cloud for Customer (C4C) OData v2.0	An additional Application for Integration Cloud. Integration Cloud connects to SAP Cloud for Customer (C4C) including SAP Cloud for Sales, SAP Cloud for Service, and SAP Cloud for Social Engagement solutions using the REST interface, and allows you to do standard CRUD operations on business objects by connecting to the OData Service endpoint. The SAP Cloud for Customer (C4C) OData v2.0 Application is a Beta candidate.
Marketo	An additional Application for Integration Cloud. Integration Cloud connects to Marketo using the Marketo REST API and allows you to create, retrieve, and remove entities and data stored within Marketo.

Release 2.5.0

Added Item	Description
Added new services under String block	The following new services are added: isNumber, isAlphanumeric, isNullOrBlank, isDate, substitutePipelineVariables, compareStrings.
Added a new FTP predefined operation	renameFile operation is added for FTP Application.
Alfabet	An additional Application for Integration Cloud. Integration Cloud connects to Alfabet using the Interface for RESTful Web Services Version 1 and supports working with the various object types as defined in Alfabet. You can use it to query, retrieve, create, update, and delete objects of any type, and also manage relations between the objects.

Added Item	Description
Ability to connect to Salesforce using Partner SOAP API version 31 and Salesforce Bulk API version 31	Integration Cloud can now connect to Salesforce using the Partner SOAP API version 31 and the Salesforce Bulk API version 31.
Added a new Salesforce CRM predefined operation	uploadDataToWave operation is added for Salesforce CRM.
Download Integration Cloud Readme	You can now download the Integration Cloud Release Readme from the <i>About webMethods Integration Cloud</i> page (<Logged in User> > About > About webMethods Integration Cloud).

Changed Item	Description
Integration Cloud User Interface	Integration Cloud has a new look and feel in this release. The location of the menu has changed but there is no change in the User Interface functionality.

Release 2.1.0

Added Item	Description
Added new services under Date, Document, List, and Flow blocks	The following new services are added: compareDates, incrementDate, insertDocument, deleteDocuments, documentListToDocument, documentToDocumentList, appendToDocumentList, appendStringList, sizeOfList, stringListToDocumentList, getLastError.
Test Integration executions in real time	You can now test the Integration execution in real time and view the execution results in the “Test Results” pane.
Support for document references	You can now create pipeline variables as document references, create document types comprising of document references, and also define the signature of Integrations comprising of document references.

Added Item	Description
Connection status for FTP and SOAP Accounts	You can now select “Test Connection” if you want to view the status of the connection for an FTP or custom SOAP Application. In earlier releases, Integration Cloud automatically verified the connection status.
Integration inputs during scheduling	You can now use “Schedule” or “Run Now” options available in the Integration details page and provide inputs to the Integration based on the defined input signature.
Enhanced Reference Data signature	You can now filter the Reference data by providing an appropriate "matchCriteria". The output of Reference Data used in an Integration is a list of documents that match the specified “matchCriteria”. Reference Data signature is derived from the column names of the uploaded text file. The root element in the output of Reference Data created from Integration Cloud version 2.1.0 has the same name as the one given to the Reference Data.
Map an indexed item of a String List, Document List, Document Reference List, or Object List	You can now add an indexed item to a String List, Document List, Document Reference List, or Object List and also map the indexed item. You can delete the selected indexed item provided the indexed item or none of its child fields are mapped.

Release 2.0.1

Added Item	Description
Microsoft Dynamics CRM	An additional Application for Integration Cloud. Integration Cloud connects to Microsoft Dynamics CRM 2013 using the Microsoft Dynamics CRM SOAP API. You can manage CRM data and access metadata that defines the specific CRM instance to which you are connecting.

Release 2.0

Added Item	Description
Create and edit Document types	You can now create a Document type and use it to define the input or output parameters for an Integration.
Specify input/output signatures	You can now declare input and output parameters for an Integration using the Input and Output tabs.
Invoke an Integration from another Integration	A new “Integrations” block is added, which displays the list of Integrations created in Integration Cloud. You can now invoke an Integration from another Integration. When copying integrations from one stage to another, all the referred Integrations and their dependents are also copied. You can also edit the referred Integration, which will open the Integration in a new tab.
Improved Orchestrated Integration User Interface	Blocks are reordered for improved usability.
Perform pipeline variable substitution	You can now perform pipeline variable substitution if you want to replace the value of a pipeline field at run time.
View execution results within Integration Cloud	You can now view the last five execution results in the Integration details page.
File Transfer Protocol (FTP/FTPS) Application	You can now connect to a FTP server using the new FTP/FTPS Application and download files from or upload files to the FTP-enabled server.
Added new services	New services are added under Flat File, JSON, and XML in this release.
WSDL file selection for a custom SOAP Application	You can now select a WSDL file from your local file system while creating a custom SOAP Application.
Ability to upload custom Application logos	You can now select a different icon for your custom SOAP Application.
Support for Partner or agent	You can now define Partner users. Even if “Allow User Interface Access” permission available under

Added Item	Description
	Access Profile > Administrative Permissions > Account Controls is not enabled, a Partner User can still perform on-premise tasks.
View and download Audit Logs and update the retention period	You can now view and download audit logs related to additions, deletions, updates, export, schedule, login, logout, password changes, record access attempts, access violations, deployments, and so on for a user.

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Added Item	Description
Advanced Security	Integration Cloud now allows you to upload Keystores, Truststores, and Partner Certificates. These can be applied while creating an Account for a Custom Application.
Custom SOAP Applications	Integration Cloud now allows you to create Custom SOAP Applications. Custom SOAP Applications enable you to access third party web services hosted in the cloud or on-premise environment. The Custom SOAP Application uses a WSDL that is accessible through publicly or locally accessible URLs.
Web Service Security	Integration Cloud now allows you to create Custom SOAP Applications with third party Web Services that have WS-Security policies annotated in them. The WS-Security policies are automatically acknowledged in Integration Cloud if those policies are enforced on the Web Services.
New Services	<i>findDocuments</i> , <i>fuzzyMatch</i> , <i>bytesToStream</i> , and <i>streamToBytes</i> services are added to Integration Cloud in this release.
Reference Data	Integration Cloud now allows you to upload Reference Data from a text file containing tabular data separated by a character. Reference data is a

collection of key-value pairs, which can be used to determine the value of a data field based on the value of another data field. You can access the uploaded Reference Data in Orchestrated Integrations as a list of documents, by using the Reference Data block and providing an appropriate name.

Add fields to the pipeline

Integration Cloud now allows you to add a field to the pipeline while creating an Orchestrated Integration.

Release 1.5.1

Added Item	Description
<i>Remove</i> field <i>Restore</i> field	You can drop or remove an existing pipeline input field. Once you drop a field from the pipeline, it is no longer available to subsequent services. The field which is removed can be restored.

Release 1.5

Added Item	Description
Orchestrated Integration	Integration Cloud now supports advanced integration scenarios involving multiple application endpoints, complex routing, and orchestrations requiring multiple steps. Using a graphical drag and drop tool, you can create complex, orchestrated integrations and run them in the Integration Cloud environment.

Release 1.2

Added Item	Description
Better logging and auditing capabilities	For better debugging of the integration execution failures, more information is now provided in the “Execution Results” page.
Application Account enable and disable functionality	You can now configure the Account details correctly in a stage. If you have configured the Account details incorrectly in any stage, the stage will appear in red color in the “Connectivity Status” column. If an Account

	is configured correctly in a particular stage, then that stage will appear in green color, and if an Account is not configured in a particular stage, then that stage will appear in white color.
Ability to expose an Integration as a REST service	You can now trigger the execution of an Integration from an external system. This feature provides you with one more option to trigger Integration executions from a software application, for example, a REST Client, apart from manual and scheduled integrations from the user interface.
Amazon Simple Storage Service (S3)	An additional Application for Integration Cloud. Integration Cloud connects to Amazon Simple Storage Service (S3) using the REST interface and provides read, write, and delete access to the Amazon S3 buckets and objects within the Amazon instance.
Amazon Simple Queue Service (SQS)	An additional Application for Integration Cloud. Integration Cloud connects to Amazon Simple Queue Service (SQS) using the REST interface and provides access to the SQS objects within the Amazon instance.
StrikeIron Contact Verification	The StrikeIron Contact Verification Application has been added in this release.
Predefined operations added in Salesforce CRM	<i>getDeletedBusinessObjectIDs</i> - Fetches the ID field of business objects deleted within the provided timeframe. <i>getUpdatedBusinessObjectIDs</i> - Fetches the ID field of business objects updated within the provided timeframe.
Salesforce Bulk Data Loader	An additional Application for Integration Cloud. Integration Cloud connects to Salesforce using the Salesforce Bulk API version 29 and supports Job and Batch resources. You can use it to create, update, query jobs and batches, and operate on large number of records asynchronously by submitting batches which are processed in the background by Salesforce.

SuccessFactors HCM	<p>An additional Application for Integration Cloud. Integration Cloud connects to SuccessFactors using the SuccessFactors web service SFAPI, and performs SuccessFactors operations (Create, Read, Update, Delete, Fetch, Insert, Query, queryMore, and Upsert) over HTTP, using synchronous SOAP protocols. This Application has been tested with the following business objects: GOAL\$1, GOAL\$2, GOAL\$3, GoalMilestone\$2, GoalMilestone\$3, GoalTask\$2, GoalTask\$3, MatrixManager, and CustomManager.</p>
ServiceNow Enterprise Service Management	<p>An additional Application for Integration Cloud. webMethods Integration Cloud connects to different areas (Incident, Problem, and Change management) of ServiceNow using the Calgary version of the ServiceNow API. You can create incidents, get details of created incidents, and update and delete them. Similar operations are available for problem and change management cloud applications.</p>

Release 1.1

Removed Item	Replacement, if any
StrikeIron Contact Verification	<p>The <i>StrikeIron Contact Verification</i> Application has been temporarily removed. If you have created StrikeIron Accounts, Custom Operations, and Integrations, these will not function. The Application may be reintroduced in a future release.</p>

8.0 Copyright Information

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