webMethods.io Integration 2.1.3 Readme

August 2020

This file contains important information you must read before using webMethods.io Integration 2.1.3.

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.

1.0 Critical Information

This section lists any critical issues for the current release that were known when this readme was published.

2.0 Known Issues

This section lists any issues for the current release that were known when this readme was published.

- UHM-973
  In webmethods.io End-to-End Monitoring, for a complex integration, where one SOAP API or REST API calls another SOAP API, only the starting point of the trace is captured. For the same complex integration, Integration Cloud shows both the traces as part of its monitoring feature.
  Note: The same limitation does not occur when REST APIs are called from a SOAP API or another REST API.

- UHM-970
  In webmethods.io End-to-End Monitoring, API Gateway traces without a transactional event are not getting traced.

- BIC-5433
  The links on the maintenance page are not clickable and the logos are not proper.

- BIC-5414
  In a workflow, the term used is *Action*, whereas in a FlowService, the term used is *Operation*.

- BIC-5379
  In the Database application, updating an *Update* operation leads to incorrect output.
  Workaround: Once you add or delete the table columns or data fields, verify the input/output names and update the proper input/output names if they are not correct.

- BIC-5514
  After the creation of a SOAP connector, updating the description of the same connector takes longer than usual.
  Workaround: This issue occurs if you try to update a SOAP connector just after creating it. As a workaround, after creating a SOAP connector, go to the *Connectors* page and update it.

- BIC-6440
  Alert rules for REST APIs having workflows as resource are not getting executed.

- BIC-6544
  Time zone shows PDT although the user changes it to a different supported time zone.

- BIC-5479
  On the *Monitor* page, execution of a newly created FlowService gets logged twice.
  Workaround: Re-login to webMethods.io Integration and try again.

- BIC-5400
  After navigating to Software AG Cloud, a user is unable to switch back to webMethods.io Integration as the webMethods.io Integration tab is missing in the App Switcher.

- BIC-5324
  A user is unable to log out from Software AG Cloud.
  Workaround: You can log out from webMethods.io Integration, instead of Software AG Cloud.

- FLOW-1908
  Not able to see the result for Adapter Services, where the Column name has the "And(&)" character.

- FLOW-1906
  The pipeline signature appears different than the result signature.

- FLOW-1912
  FlowServices using the webMethods.io B2B connector fail with an error message indicating that the webMethods.io B2B connection is disabled.
  Workaround: Update the webMethods.io B2B account with a new description, which refreshes the account and enables it.

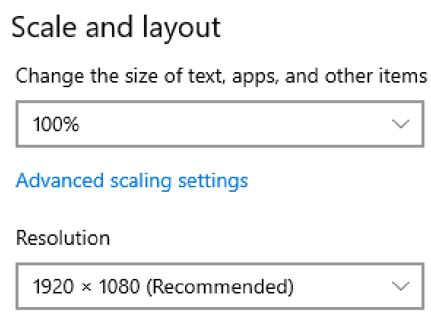
- FLOW-2103
  When the input or pipeline fields used inside a conditional expression are dropped inside an IF block, then both the IF and ELSE blocks are executed.
  Workaround: Do not drop fields used in a conditional expression within the corresponding conditional block. You can drop fields outside the respective conditional block.

3.0 Usage Notes

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

- webMethods.io Integration is supported on the latest version of Google Chrome web browser (v83 or later).

- webMethods.io Integration is best experienced when the scale and layout are adjusted to the below settings:



- Information on major releases, hotfixes, and patch releases including the latest statistics on cloud system availability, system performance, and security are available on the Cloud Trust Center at https://trust.softwareag.com/integrationcloud/calendar/.

- Accounts created for SOAP and REST connectors using the Flow Editor do not display the *Edit* and *Delete* icons when the same Accounts are displayed on the *Connectors* page in webMethods.io Integration. You can use the existing accounts configured using the Flow Editor, but you cannot edit or modify the account details. Ensure that you *create a new account* for the SOAP and REST connectors if any changes are required for the existing accounts. Further, the accounts created for SOAP and REST connectors using the Flow Editor cannot be used in Workflows, that is, pre-existing accounts will not be available in the *Connect to* drop-down list while creating a Workflow. Ensure that you create new accounts in such cases.
  Also, for migrated REST applications, you can modify an existing operation by creating a new account but not with an existing account.

- You can simultaneously open up to five FlowServices in different tabs in a browser.

- If you want to import a FlowService to another tenant that has an on-premises connector, before importing the FlowService, ensure that you upload the same on-premises connector to the other tenant in webMethods.io Integration, else you will not be able to import the FlowService.

- When you publish a project that has a FlowService, and if the FlowService has an On-Premises connector, the On-Premises connector is not pushed to the destination tenant. Ensure that you configure the same On-Premises connector on the destination tenant to make the published FlowService work.

- If the FlowService you are importing use SOAP or REST connectors and if those connectors do not exist in your system, continue importing the FlowService. The connectors are imported along with the FlowService. After importing, create the Accounts and then configure them in the imported FlowService.

- If a FlowService you are importing uses an on-premises connector and if the connector does not exist in your system, the Account appears only after you have uploaded the on-premises connector.

- Cloning of On-Premises workflow is currently not supported.

- The VDA standard document type is not available in webMethods.io B2B. Therefore, the predefined operations in the Electronic Data Interchange application do not support this standard.

- After webMethods.io Integration upgrade, the older version browser's cache and cookies are not cleared automatically. This may lead to incorrect display of page content. Ensure that you clear the browser's cache manually after every upgrade, and then log in to webMethods.io Integration.

4.0 Resolved Issues

This section lists the issues that were resolved in this release.

- BIC-6718
  When you open an existing flat file in edit mode, some record definitions are not visible.
  This issue is resolved. All record definitions are now visible in edit mode.

- BIC-6573
  The long value stored in string data type is automatically converted to exponential number.
  This issue is resolved.

- BIC-6596
  While configuring the Swagger - Open API action, if the base URL is not provided by the user, the automatically appended base URL gives an error.
  This issue is resolved. If user does not provide any base URL while configuring the Swagger - Open API action, an automated base URL will now not be appended.

- FLOW-2152
  When a FlowService refers to another FlowService, sometimes it leads to cyclic recursion.
  This issue is resolved. Validations added to avoid any cyclic recursions in FlowServices created hereafter. These validations do not apply to any cyclic recursions in the existing FlowServices.

- FLOW-2136
  Some icons on the 'Log business data' screen appear cropped.
  This issue is resolved.

- FLOW-2163
  Direct-map lines in transformer appear overlapped.
  This issue is resolved. The direct-map lines in transform will now have proper spacing. Moreover, when you hover over a particular line, the full line will get highlighted and when you select a particular line, the associated source field and target field will be highlighted in bold.

- FLOW-2166
  Scrollbar spacing is not proper for the Results screen.
  This issue is resolved.

- BIC-6461
  Tokenize transformer is not working with pipe "|" delimiters.
  This issue is resolved.

- BIC-6091
  Return Data on Sync Webhook fails sometimes with no proper error and hence the step cannot be

saved.
This issue is resolved.

- BIC-6090
  Cannot use Return Data on Sync Webhook for error scenarios in a workflow.
  This issue is resolved. The mandatory test validation is now removed.

- BIC-6440
  Alert rules for REST APIs having workflows as resource are not getting executed.
  This issue is resolved.

- BIC-6496
  Resume/Restart screen freezes when Resume popup is open and the workflow gets executed.
  This issue is resolved.

- BIC-6439
  Webhook payload data is not getting imported after exporting and importing the workflow.
  This issue is resolved.

- BIC-6089
  Non-string data types show up as strings in the pipeline in workflow and thus become unusable.
  This issue is resolved. Data type integer for mapping is now supported.

- BIC-5997
  Alert email for a failed workflow gets triggered for every Test action in that workflow.
  This issue is resolved.

- BIC-5980/6144
  Unable to create APIs using swagger URL.
  This issue is resolved.

- BIC-6460
  Query Parameters with space do not work.
  This issue is resolved.

- BIC-6428
  After disabling the workflow, "Edit Input" button is disabled while resuming the workflow.
  This issue is resolved.

- CCH-295
  Clock trigger does not support seconds for interval.
  This issue is resolved.

- BIC-6502
  Coupa V27: Input fields are not listing while creating custom actions (in complex calls) and the tenant hangs.
  This issue is resolved.

- CCH-173/286
  Getting "EISDIR: illegal operation on a directory, read" while using filepath.
  This issue is resolved.

- BIC-6078
  Getting Parse error while calling OpenAPI from workflow.
  This issue is resolved.

- BIC-6284
  Transform Data - "Replace String" param does not allow "space" or empty.
  This issue is resolved. Now you can pass an empty value in the "Replace String" field.

- CCH-237
  Data Store - Account Store: Data type for value in key-pair changes from string to number.
  This issue is resolved.

- BIC-5973
  Documentation is incorrect on the access control.
  This issue is resolved. Updated the documentation for tenant access control:
  https://docs.webmethods.io/integration/accounts_settings/tenants_and_tenant_settings/#co-tenant_settings

- BIC-6288/6286
  Issue when deleting a connector account.
  Issue when switching an account for a connector within a workflow step and then delete the previous account.
  Delete the older version to delete the account information.

- BIC-6283
  Data Store - Account Store: How do I remove key-pair created in Account Store? Currently, setting an empty value removes the key-value pair.
  Set the account store and get it in another workflow. Then pass a blank value for removing the key and value, which were set before.

- BIC-6282
  In the 'Account Store' action, when a user sets the value of a key as number, it is automatically converted to String.
  This issue is resolved.

- CCH-227
  Amazon Kinesis - Get Shard Iterator: Missing "AT_TIMESTAMP" in the dropdown selection list for ShardIteratorType in "Get Shard Iterator" action.
  This issue is resolved.

- BIC-6067
  Unable to change *From Email id* for alert notifications.
  Currently, you will not be able to change the *From Email id* of an alert email notification and display the Tenant name in the body of the alert email notification.

- CCH-211
  While trying to convert the stream into string using Flow operation pub.io:streamToString throws the error "input is not if type [inputStream]"
  This is currently not supported.

- UHM-1015
  When an Integration execution gets timed out, webMethods.io Integration does not store the record. However, this is tracked by webMethods.io End-to-End Monitoring. Due to this, when a user clicks on the More details link from the component details page, it opens a blank page.

- UHM-1743
  In End-to-End Monitoring, on tenant creation, default rules are not getting created.
  Workaround: Contact Software AG Global Support. Software AG Cloud Operations team will execute the command mentioned in the Create default alert rules for the tenant section.

- BIC-5420
  In White labeling, there are issues related to SOAP API/SOAP connectors.
  This issue is now resolved.

- BIC-5447
  Few projects are not displayed in the Flow Editor.
  This issue is now resolved.

- FLOW-1915
  After a successful migration, the OK button does not appear in the migration window when the number of migrations is large.
  Workaround: Press the Tab key to highlight the OK button. Then click the OK button to exit the migration window.

5.0 Documentation Changes

Significant documentation changes for a release such as the addition, relocation, or removal of chapters or other major content are mentioned in the Added, Removed, Deprecated, or Changed Items section. Click here to access the documentation.

6.0 Terminology Changes

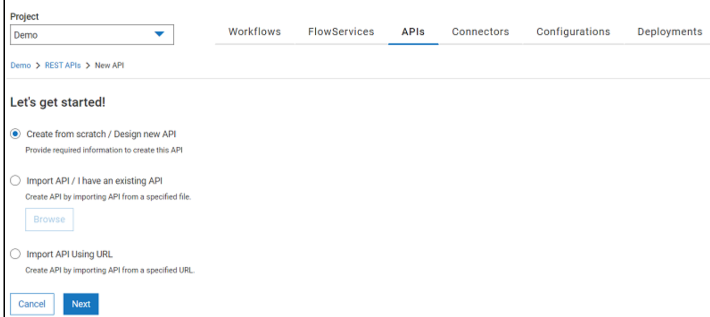
Terminology changes, if applicable for a release, are mentioned in the Added, Removed, Deprecated, or Changed Items section.

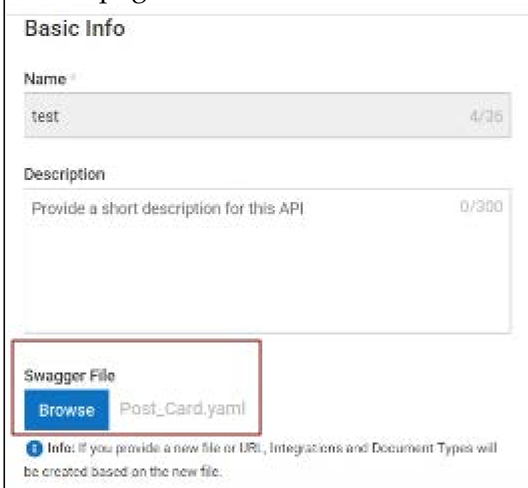
7.0 Added, Removed, Deprecated, or Changed Items

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

Release 2.1.3

Added/Changed Item	Description
Support for Flat File connectors	webMethods.io Integration now supports the flat file connector to translate documents into and from flat file formats. You can create a flat file connector using any one of the following approaches: • *Create manually*: In this approach, you define the definition and structure of a flat file connector and then manually add the elements or properties. • *Use a sample file*: In this approach, you use a sample file to define the definition and structure of a flat file connector. Here, you use the automated wizards to create the structure of the flat file.

<table>
<tr><th>Added/Changed Item</th><th>Description</th></tr>
<tr><td>REST and SOAP API enhancements</td><td>
In the earlier release, you could create REST APIs from scratch or by importing an existing API from a swagger file. In this release, you can also create REST APIs by importing an existing API from a Swagger URL.


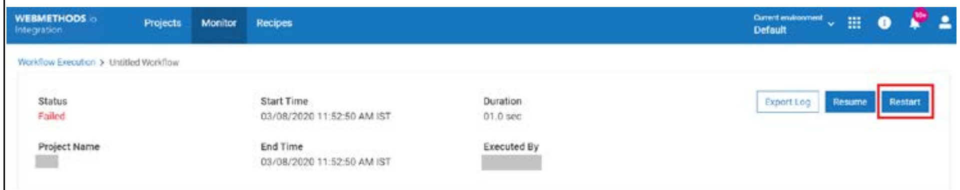
Also, while editing a REST API, you can upload a new Swagger file from the API Details page.


Further, you can now import REST APIs using URLs protected with basic authentication, that is, support is provided in case authentication is required, if the REST API URL supports credentials.
Alert Rules (Monitor > Alert Rules > FlowService Alerts) for REST API and SOAP API assets have also been added in this release.
</td></tr>
</table>

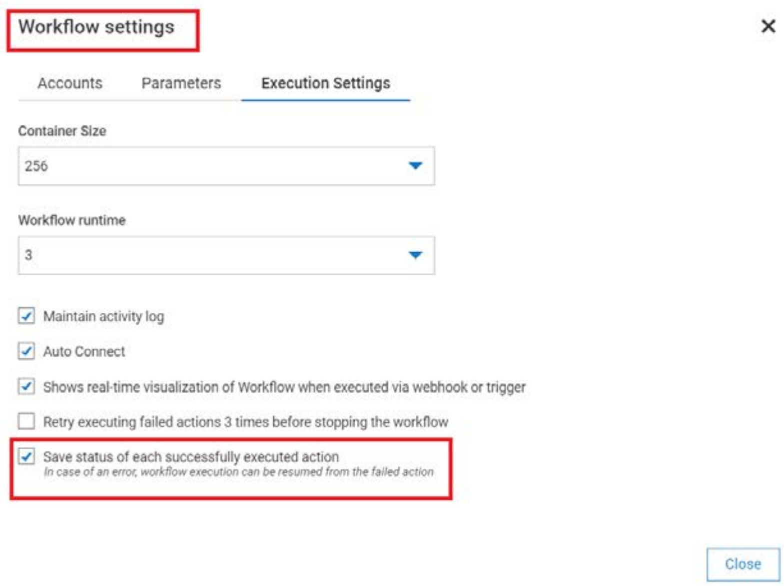
Added/Changed Item	Description
Enhanced custom operations screen	You can now view the input/output signature and test custom operations for REST, SOAP, On-Premises, and Flat File connectors. The *Show i/o signature* i/o and *Test operation* options are available on the *Custom Operations* screen. After you create an operation, click the *Show i/o signature* option to view the Input and Output signature of the custom operation. The input and output fields cannot be edited. You can click the input and output fields to view the field properties. The *Test operation* option allows you to test the custom operation. Specify the *Account* name and the *Input* data and then click *Run* to test the operation and view the test results in the *Result* window. For array inputs, you can add the array items and then add the values. If an operation does not have an input signature, the input fields are not displayed.
Support to modify service-level pipeline data before resuming FlowService execution	In earlier releases, you could modify only the FlowService-level pipeline data before resuming a FlowService execution. In this release, you can modify the service-level pipeline data till the failure point before resuming a FlowService execution.
FlowService enhancements	You can now right-click on a step on the FlowService editor and add a step or a child step for the selected step, and paste the step(s) after the selected step(s) by clicking the *Duplicate* option. The *Duplicate* option is also available if you click the icon.
Support for Branch construct in FlowServices	You can now perform different actions on different values of one or more pipeline variables by using the Branch construct. Branch is a conditional execution of steps and constitutes a group of expressions. Within a Branch, webMethods.io Integration runs the first expression that evaluates to *true*. Expressions are the conditions on the pipeline variables. At run time, Branch evaluates the conditions provided and runs the first expression whose condition is evaluated to *true*. If none of the expressions are *true*, the default expression if included, is run.

Added/Changed Item	Description
Lock and Unlock FlowServices	webMethods.io Integration now allows you to manage a FlowService during the development life cycle by auto locking. When you edit a FlowService, it is automatically locked for you. This restricts multiple users from editing the FlowService at the same time. Other users can open the FlowService only in view mode. After you edit a FlowService and save the changes, you can exit the edit mode to unlock the FlowService and make it available for other users. Relevant messages appear in the user interface for other users if you are editing a FlowService and have completed editing the FlowService, and also if another user tries to delete the FlowService. If you have kept the user session idle for quite some time or because of any other reasons a FlowService lock remains and is not resolved, only a user with *Admin* role can unlock the FlowService and make it available for editing by clicking the *Unlock* option available on a FlowService.
Support for adding icons for REST and SOAP connectors	You can now add icons for custom REST and SOAP connectors while creating them.
Support for adding assets for alert rules for FlowServices	While adding an alert under *Alert Rules* (*Monitor* > *Alert Rules* > *FlowService Alerts*), you can now select the *Assets* option  to select the list of all assets (REST APIs and SOAP APIs) created in a project. This will help you get notifications and keep relevant users updated about the status.

<table>
<tr><th>Added/Changed Item</th><th>Description</th></tr>
<tr><td>Restart workflow execution</td><td>You can now restart your failed workflows that were triggered using webhook, through the execution logs screen under the Monitor tab.



To enable this feature, select the Save status of each successfully executed action check box in the Execution Settings tab under the Workflow Settings screen.



You can optionally edit the webhook payload of the workflow before restarting it.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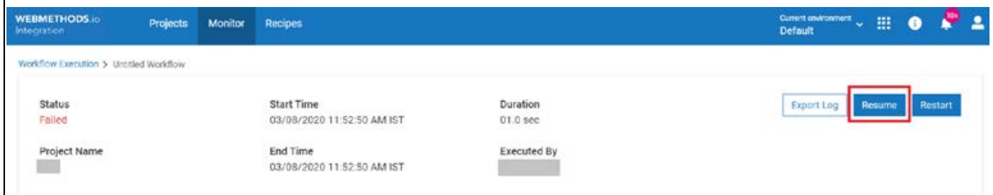
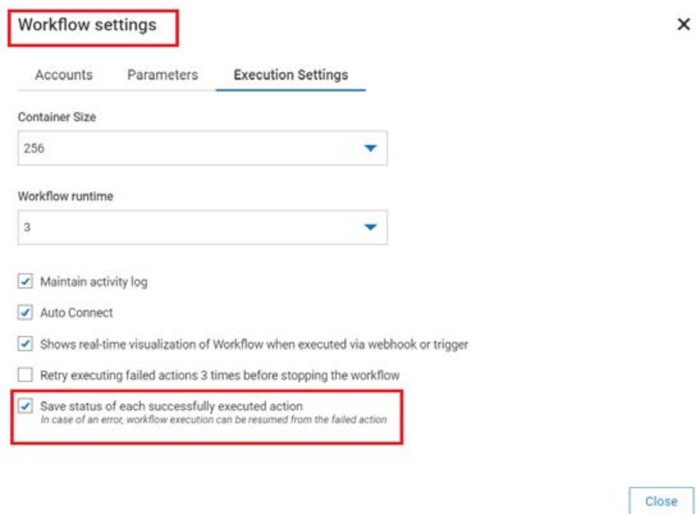
<table>
<tr><th>Added/Changed Item</th><th>Description</th></tr>
<tr><td>Resume workflow execution from the point of failure</td><td>

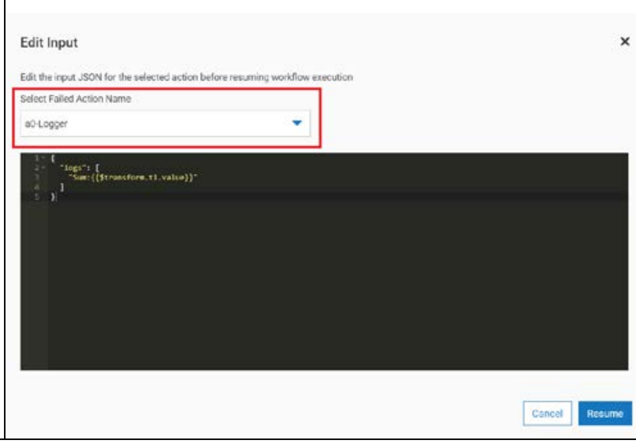
You can now resume the execution of your workflow right from the point it has failed, using the execution logs screen under the *Monitor* tab.



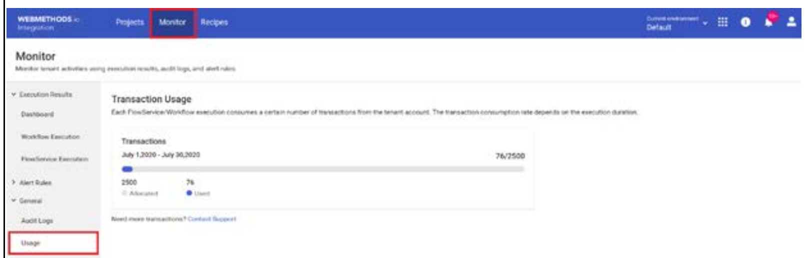
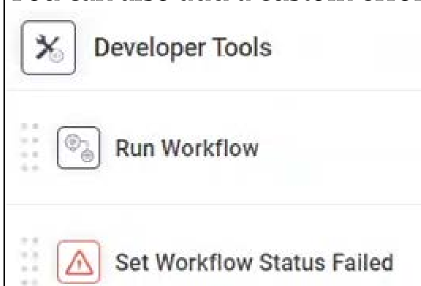
To enable this feature, select the *Save status of each successfully executed action* check box in the *Execution Settings* tab under the *Workflow Settings* screen.

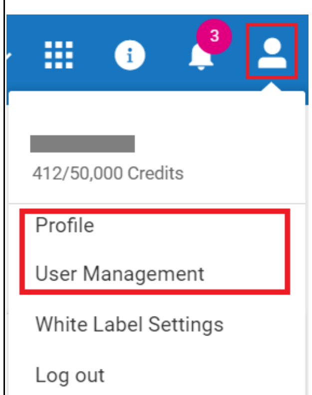


You can optionally edit the JSON input schema of the failed action(s) before resuming the workflow execution.



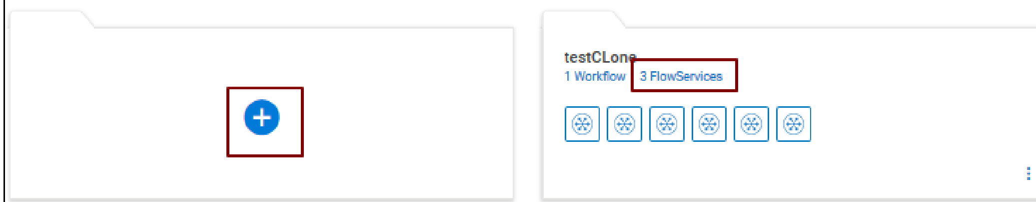
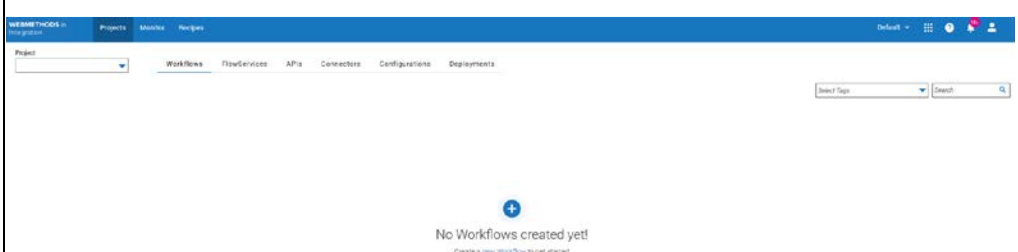
</td></tr>
</table>

Added/Changed Item	Description
View transaction usage	Users of transaction-based tenants can now view the transaction usage statistics of their tenants on the *Usage* page under the *Monitor* > *General* tab. You can see the *Usage* page only if transactions are enabled for your tenant. 
Support for Node.js function to set the workflow status to failed	Support has now been added for a Node.js function which sets the status of the workflow to fail. This function can be used in any of the actions that enable you to write custom logic for your workflow.
Set failed status for workflows	In earlier releases, the status of a workflow used to be always *Successful* when the *Global Error Handler* action was used. In this release, we have introduced a new *Set Workflow Status Failed* Action, which enables you to modify the status of such workflows to *failed*. You can also add a custom error message, which displays when the workflow fails. 
Support for Node.js function for Memory Store	Support has now been added for a Memory Store Node.js function, which allows you to set and retrieve the value of key(s) for a single execution run. You can use this function in any of the actions that enable you to write custom logic for your workflow.

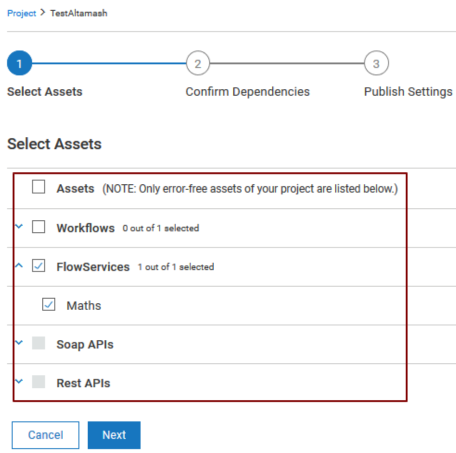
Added/Changed Item	Description
Input/Output logs for Logger action removed from the Debug Panel	In earlier releases, whenever you executed any Logger action, you could view its input and output logs in the Debug Panel. In this release, input and output logs are removed for the Logger action from the Debug Panel. You will continue to view the input/output logs in the *Log* section whenever you click on the executed Logger action in the Debug Panel. 
White label enhancements	In this release, the *Link Border Color* setting in the *White label* configuration screen is added. This setting allows you to change the border color of the user interface menu.
Tenant settings changes	In earlier releases, you could view and manage all the tenant settings by using the *Settings* option under the Tenant Profile icon. In this release, the following options are available when you click on the Tenant Profile icon:  *Profile*: This option allows you to centrally view and manage the details of your tenant. *User Management*: This option provides you a quick overview of roles assigned to a user, lets you define roles for your tenant, and allows you to remove users from a tenant.

Added/Changed Item	Description
New Connectors	The following connectors are added in this release: • ABBYY Cloud OCR • Acuity Scheduling • Recurly • Alibaba OSS • Microsoft Dynamics 365 Business Central
Version field changes for the Workday connector account	The *Version* field in the account configuration dialog box of the Workday connector is now made read only.

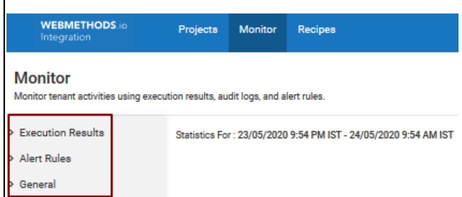
Release 2.1

Added/Changed Item	Description
Projects home page enhancements	The following changes have been made to the **Projects** page in this release for improved usability:  **New Project**: Click the icon available on the Projects page to create a new project. **FlowServices**: Click the FlowServices link available on a project as shown above to go to the FlowServices page for the project. In earlier releases, you could create complex integrations by switching to the **Flow Editor** using the App Switcher, where you used a drag and drop tool to create the integrations and then used them in your Workflows. In this release, this process is simplified by introducing the Flow Editor capabilities as **FlowServices** directly in your webMethods.io Integration project, thus eliminating the need for you to access the Flow Editor to create complex integrations. See a later section in this document on how to enable the FlowServices capability. **Workflows**: Click the Workflow link available on a project to go to the Workflows page for the project. The Workflow landing page is also enhanced to improve the usability. You now need to click the icon on the Workflows page to create a new Workflow. 

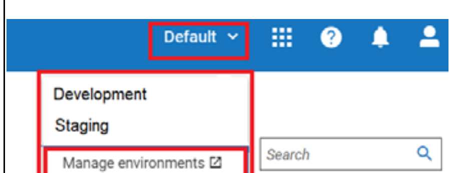
<table>
<tr><th>Added/Changed Item</th><th>Description</th></tr>
<tr><td>Publish Projects</td><td>The project publish pages have been enhanced to increase the usability.

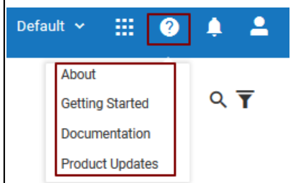

</td></tr>
<tr><td>Monitor page enhancements</td><td>In earlier releases, you could access the Dashboard, Audit Logs, Activity Logs, and Alert Rules pages through the Monitor tab.

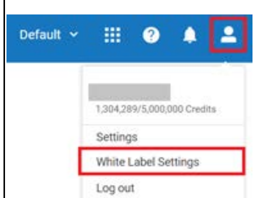
In this release, the Monitor tab pages are reorganized in the following categories to improve usability:



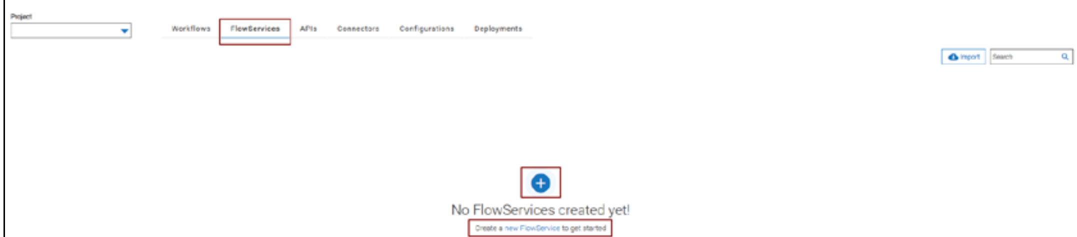
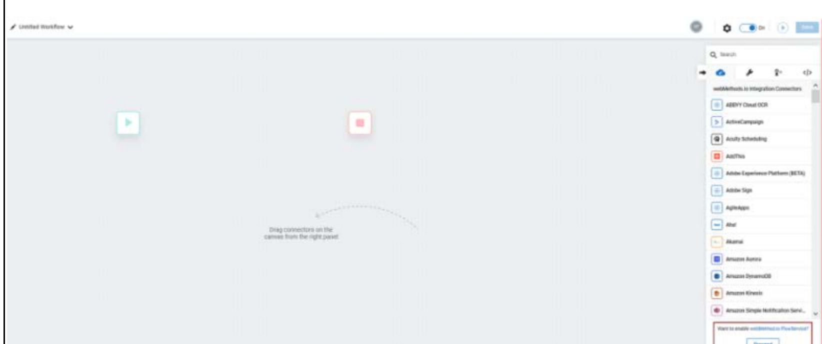
- Execution Results: Execution Results category provides a quick overview of the statistics associated with Workflow executions and FlowService executions, along with their respective execution logs.
- Alert Rules: Alert Rules category allows you to set automated alert rules for your projects and send notifications to specific users when a Workflow or a FlowService fails or completes execution.
- General: General category allows you to track the user activity on your tenant through Audit Logs.</td></tr>
<tr><td>Environments option changes</td><td>You can now register new environments and view, switch, and manage existing environments from your tenant home page.

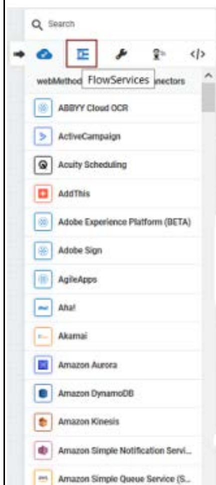

</td></tr>
</table>

<table>
<tr><th>Added/Changed Item</th><th>Description</th></tr>
<tr><td>Help option changes</td><td>The following options are available in this release when you click the Help icon.


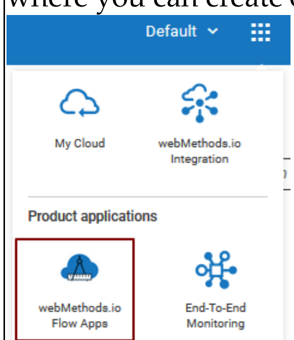
About: Product version and copyright information, Impressum and Privacy policy.
Getting Started: Product introduction page for a new tenant.
Documentation: Product documentation.
Product Updates: Latest product updates.
</td></tr>
<tr><td>White labeling</td><td>You can now apply white labeling on your tenant as per your company brand identity and customize your tenant theme using the White Labeling functionality. These settings work at tenant level and only admin users have the permissions to create and modify themes.


This allows you to boost your brand visibility and strengthen customer loyalty.</td></tr>
</table>

Added/Changed Item	Description
Flow Editor and FlowServices	In earlier releases, you could create complex integrations by switching to the **Flow Editor** using the App Switcher, where you used a drag and drop tool to create integrations. In this release, this process is simplified by introducing the Flow Editor capabilities as **FlowServices** directly in your webMethods.io Integration project, thus eliminating the need for you to access the Flow Editor to create complex integrations.  In the Flow Editor, you used a graphical drag and drop tool to create integrations. You set up your integrations by plugging blocks together in the workspace and coding concepts were represented as interlocking blocks. In the FlowServices editor, you now can easily build a FlowService by adding steps and selecting the constructs including Applications, Controls, FlowServices, and Services from within the steps. The editor is visually enhanced to offer ease of use and is more interactive. A FlowService contains flow steps, which is a basic unit of work that webMethods.io Integration interprets and executes at run time. After you enable the FlowServices capability, you can create complex and advanced integration scenarios involving multiple application endpoints and then include the FlowService in a Workflow. 

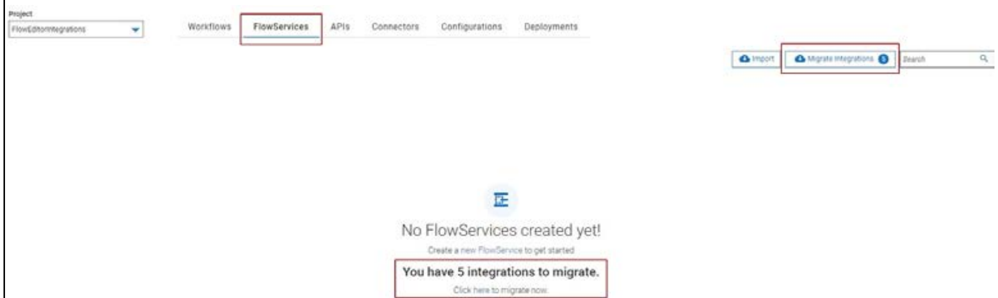
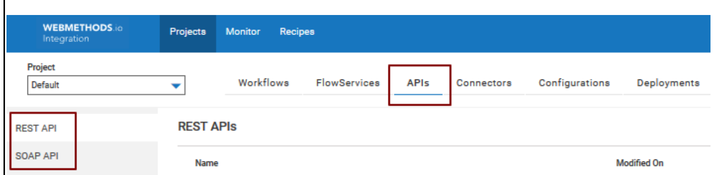
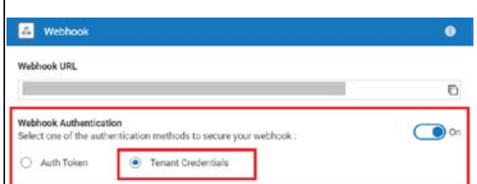
<table>
<tr><th>Added/Changed Item</th><th>Description</th></tr>
<tr><td></td><td>


IMPORTANT: The **webMethods.io Flow Editor** has been renamed to **webMethods.io Flow Apps** for organizations hosted on the *Amazon Web Services (AWS)* environment. You can create only the Database and Flat File Applications by clicking the **webMethods.io Flow Apps** option available on the *App Switcher*. If you are on *Microsoft Azure*, you can still access the **webMethods.io Flow Editor** with all its functionalities by clicking the **webMethods.io Flow Editor** option available on the *App Switcher*.
</td></tr>
<tr><td>webMethods.io Flow Apps</td><td>
The Flow Editor has been renamed to **webMethods.io Flow Apps** in this release, where you can create only the Database and Flat File Applications.



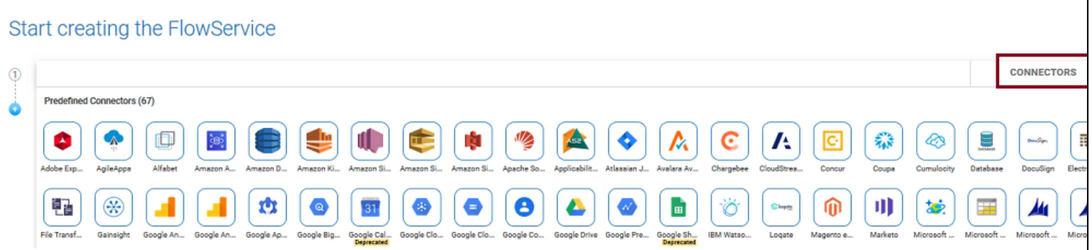
You can connect to a database using the Database Application. The Database Application allows you to perform database operations with cloud databases using a JDBC driver.

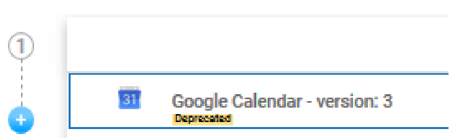
You can use the Flat File Application to translate documents into and from flat file formats. To set up the translation, you create the definition and structure of the Flat File Application, which is called a flat file schema. The schema also contains the instructions for parsing or creating the flat file and defines how to identify individual records within a flat file and what data is contained in each of those records.
</td></tr>
</table>

Added/Changed Item	Description
Migrating Flow Editor Integrations	If you have created integrations in the **Flow Editor**, you can migrate those integrations to the same project in **FlowServices** using the **Migrate Integrations** functionality. 
APIs	webMethods.io Integration allows you to write integration logic to integrate different types of applications. This logic can be exposed to the external world using APIs. In the earlier release, you could create only REST APIs from the webMethods.io Integration user interface. In this release, you can also create SOAP APIs from scratch or by using a WSDL file from the webMethods.io Integration user interface. A SOAP API exposes one or more FlowServices as operations, so each operation in a SOAP API corresponds to a FlowService. SOAP APIs and REST APIs are now both grouped under the **APIs** category for improved usability. 
Tenant credentials for webhook authentication	You can now secure your webhook by adding tenant credentials authentication to it.  This will require the user of the webhook to specify the tenant credentials first, before sending an execution request.

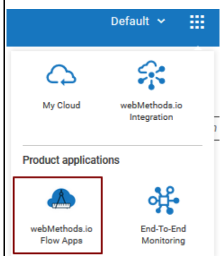
<table>
<tr><th>Added/Changed Item</th><th>Description</th></tr>
<tr><td>Connectors</td><td>
Connectors
All connectors are now grouped under the new Connectors category for improved usability. You can create Accounts by clicking on a connector available on the Available Connectors panel.

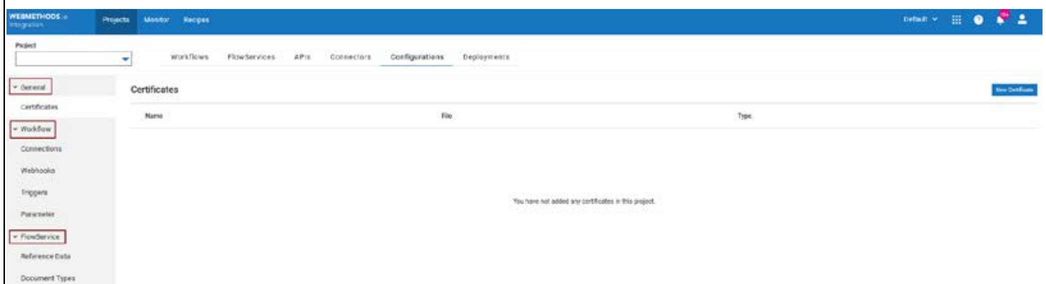

Predefined Connectors: These connectors allow you to connect to the SaaS providers.
REST Connectors: You can define REST Resources and Methods and create custom REST connectors. You can invoke a REST API in a FlowService by using a REST Connector.
SOAP Connectors: Custom SOAP connectors enable you to access third party web services hosted in the cloud or on-premises environment. You can also invoke a SOAP API in a FlowService by using a SOAP Connector.
On-Premises Connectors: On-Premises applications uploaded from on-premises systems are listed in the On-Premises Connectors page.

The connectors are also grouped and available when you start creating a Flow Service. Flat File Applications created in the Flow Editor are available as Flat File Connectors in the FlowServices panel.


Deprecated Connectors
A few connectors are deprecated in this release. A deprecated connector displays the Deprecated label just below the connector where ever it appears in the user interface.


Note: Deprecated connectors will continue to work as before, but no future enhancements will be made. It is recommended to use the new connectors instead of the deprecated connectors. The deprecation is applicable only for Actions.
</td></tr>
</table>

<table>
<tr><th>Added/Changed Item</th><th>Description</th></tr>
<tr><td>Applications</td><td>Database Application: You can connect to a database using the Database Application, which allows you to perform database operations with cloud databases using a JDBC driver. This Application can be accessed from the App Switcher > webMethods.io Flow Apps.
Flat File Application: You can use the Flat File Application to translate documents into and from flat file formats. This Application can be accessed from the App Switcher > webMethods.io Flow Apps.
</td></tr>
<tr><td>New Connectors</td><td>The following connectors are added in this release:
Adobe Experience Platform
Amazon Aurora
Chargebee
Egnyte
Freshsales
Microsoft Azure Data Lake Store
SalesLoft
WorkSpan</td></tr>
</table>

<table>
<tr><th>Added/Changed Item</th><th>Description</th></tr>
<tr><td>Configurations</td><td>
In earlier releases, you could access the Webhooks, Accounts, Triggers, and Parameters pages through the Configurations tab.
In this release, the Configurations tab pages are reorganized in the following categories to improve usability:


General: Contains the Certificates page to create a new Keystore and a Truststore
Workflow: Contains Workflow Connections, Webhooks, Triggers, and Parameters
FlowService: Contains Reference Data and Document Types

</td></tr>
<tr><td>Rate Limiting for Workflows</td><td>
Rate limit is the maximum number of requests that you can make to the webMethods.io Integration server in a span of one minute. The rate limit works at the tenant-level and is applicable only for manually run, trigger-enabled, and webhook-enabled Workflows.
If you send execution requests for more than 400 sync webhook-enabled Workflows within a minute, the first 400 requests will be processed while the rest of the requests will be rejected. You need to send the execution requests for the rejected Workflows again.
If you send execution requests for more than 400 manually run, trigger-enabled, or async webhook-enabled Workflows within a minute, the first 400 requests will be processed while the rest of the requests will be kept on hold. You can resume the Workflow executions from the Monitor > Execution Results > Workflow Execution > Execution Logs screen.
</td></tr>
<tr><td>Time stamp updates</td><td>
Any time stamp displayed in webMethods.io Integration is now based on the time zone you have specified in Software AG Cloud.
Note: All time zones available in Software AG Cloud are currently not supported in webMethods.io Integration. If a time zone in Software AG Cloud is not supported, then the time stamp in webMethods.io Integration defaults to the Pacific Standard Time (PST) time zone.
</td></tr>
</table>

Added/Changed Item	Description
Support for Transaction-based tenants	The following types of tenants are now supported: • **Credit-based Tenants** - Tenants created before this release run on credits and will continue to run on credits as before. • **Transaction-based Tenants** - All new tenants created after this release will run on transactions instead of credits. Each new tenant will be allocated a specific number of transactions per month based on the selected plan, and depending on the FlowService and Workflow execution duration, the transactions will be consumed from the tenant account.
Plans for Transaction-based tenants	When you sign up for a webMethods.io Integration tenant, it will be assigned the 30-day Trial plan by default. You can optionally upgrade to the Free Forever Edition, Basic, Advanced, or Enterprise plans based on your requirement by contacting the support team at support-wmio@softwareag.com. Once your trial period is over, your tenant will be deactivated until you reactivate it by switching to one of the offered plans.

Release 2.0

Added/Changed Item	Description
Stage Management	webMethods.io Integration now allows you to create project Workflows in your tenant, make changes to them, and push them on to other tenants for use. The separate tenants (also known as environments) ensure that the changes made to project Workflows in the source tenant do not affect the project Workflow functionality of other tenants.
REST API Builder	You can now create custom REST APIs for your webMethods.io Integration project and link those APIs with your project Workflows. When you send an API request, the Workflow associated with it will be executed.
Advanced Security	webMethods.io Integration now allows you to upload and manage Keystores and Truststores. These can be applied while creating an Account for a custom connector.

Added/Changed Item	Description
Input/Output Schema	webMethods.io Integration now allows you to automatically fetch webhook payload from any browser or REST API client (such as Postman) and use it to configure the subsequent actions. Apart from that, you can also create custom input forms to map input keys from different actions and create a custom response object.
Multi-region support in OAuth	Users of Frankfurt region can now use the Default Authorization (OAuth) method along with the existing Custom Authorization methods for creating accounts for actions/triggers.
New Actions	New Actions have been added for Marketo and ServiceNow Enterprise Service Management.
Credits used	The total credits used now include both Workflow and Flow (Flow Editor) executions.
Business Parameters configuration for custom operations	You can now use the business parameter configuration to select a key field to create or update the records from the existing operation. Performing an Upsert action in webMethods.io Integration allows you to insert or update any information for the Salesforce connector using business parameter.
Custom fields support	webMethods.io Integration now allows you to add custom data fields as a String, Integer, Float, Double, Long, Boolean, Short, Document, and Object data types to the existing data fields. The custom field will be added to the existing data fields list and if it is selected, it will be sent to the API while creating a custom operation. It will also get reflected in the input/output signature along with other selected fields.
Support for FTP, FTPS, and SFTP	webMethods.io Integration now supports FTP, FTPS, and SFTP actions to securely transfer files among hosts over a TCP-based network or internet. You can additionally use the key store certificate to add an extra layer of security for your file transfer.

Added/Changed Item	Description
New Connectors	*Workday* - Allows you to connect to Workday Human Capital Module and Financial Module using SOAP APIs, which enable you to perform a wide range of operations. *Tone Analyzer* - Uses linguistic analysis to detect emotional, social, and language tones in written text. *Siteleaf* - An online content management system that allows you to create, edit, and maintain websites. *GoToMeeting* - A web-based online collaboration platform that offers easy online meeting, screen sharing, and video conferencing features to make your online collaboration experience smoother. *Snowflake* - A cloud-based data warehouse that is not only easier to use but also faster, reliable, and flexible when compared to traditional data warehouses. *GoToWebinar* - A web-based collaboration platform that allows you to host large-scale online events, helping you to connect with others in real-time without any hassles. *Help Scout* - Provides an email-based customer support platform, knowledge base tool, and an embeddable search/contact widget for customer service professionals. *Google Maps* - A web mapping service that provides accurate and reliable location information in real-time, helping you with easy and hassle-free navigation. *Microsoft Teams* - A communication and collaboration platform that combines workplace chat, video meetings, file storage, and application integration. *SAP Cloud for Customer (C4C) OData v2.0* - SAP Cloud for Customer (C4C) including SAP Cloud for Sales, SAP Cloud for Service, and SAP Cloud for Social Engagement solutions allows you to do standard CRUD operations on business objects by connecting to the OData Service endpoint using the REST interface.

Added/Changed Item	Description
Lookup field support	webMethods.io Integration now allows field lookup functionality that retrieves the list of field values from the selected business object based on the authorization selected. This eliminates the need to manually enter the input data associated with your third-party account resources while configuring an action. webMethods.io Integration currently provides the lookup support for Salesforce SOAP, Marketo, and ServiceNow connectors.

Release 1.2

Added/Changed Item	Description
Support for Flow Editor	You can now create complex integrations using a graphical drag and drop tool and use those integrations in your webMethods.io Integration Workflows. The Flow Editor has rich data mapping, a familiar debugging mechanism, a large collection of built-in services, and dashboards to monitor integrations.
Nested Loop	You can now add loops within loops to create complex Workflows. Using the Nested Loop feature, you can create multiple miniature Workflows within the main Workflow and run them based on conditions.
Workflow Versioning	You can now keep track of your Workflow changes with the help of the Workflow Versioning feature. This feature enables you to monitor Workflow changes and restore a certain version of the Workflow as the current version easily.
Multi Authentication Support	You can now select different authentication types for the same connector while creating an account. Currently, you can select different authentication types (Credentials, OAuth V2.0 (Authorization Code Flow) and OAuth V2.0 (JWT Flow)) only for the Salesforce connector.
Custom Actions	You can now create custom actions for specific connectors from within the action configuration window. You can also edit or delete these custom actions as per your requirements.

Added/Changed Item	Description
Connector as a Service	You can now execute your actions and/or Workflows with the HTTP-based Workflow execution mechanism.
Project Support	You can now implement role-based access control for your projects to determine which users can access which projects.
Kafka for Logging	A centralized logging mechanism is now available for user logs with the help of Kafka and Elastic search.
Caching Functionality	The new caching functionality decreases the number of reads on the actual DB, resulting in faster Workflow executions.

Release 1.0

Added/Changed Item	Description
Initial Release	Initial Release

8.0 Copyright Information

9.0 Support

Visit the Empower website to learn about support policies and critical alerts, read technical articles and papers, download products and fixes, submit feature/enhancement requests, and more.

Visit the TECHcommunity website to access additional articles, demos, and tutorials, technical information, samples, useful resources, online discussion forums, and more.

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