SAP Cloud Platform Integration Suite
Monthly Updates – February 2020

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Agenda

- Cloud Integration
- Open Connectors
- API Management & API Business Hub
- Q&A
What’s New!! - SAP Cloud Platform Integration Suite

- What’s New Initiative -
  - Newsletter: First Monday
  - Webinar: Last Tuesday

- One time subscription - no need to register for individual webinars

- Consolidated Landing page for all the Suite services – monthly aggregation

- Links to blogs, upcoming events, important news, updates, recordings, etc. for all Suite services in one newsletter

August Newsletter - What’s New!!

Upcoming Webinar
Aug 29: SAP Cloud Platform Integration Suite – Monthly Update

Connectivity Tests
Perform connectivity test against the Cloud Connector or test connection via the Cloud Connector to the backend. Learn how

Self-service enablement
Enable Cloud Integration service on consumption-based commercial model for SAP Cloud Platform via self-service. Learn more
Cloud Integration
Agenda

• Remote OData API Enhancements
• LDAP Adapter: Search & Delete Operations
• Validation Checks
Remote OData API Enhancements

OData V2 API for OAuth2ClientCredentials

Use this grant type to access web resources by authorizing the client application to perform required actions on behalf of an user. SAP Cloud Platform supports applications to use the OAuth client credentials flow for consuming OAuth-protected resources.

The client credentials are used to request an access token from an OAuth authorization server.

<table>
<thead>
<tr>
<th>OAuth2 Client Credentials</th>
<th>Method</th>
<th>Description</th>
<th>Endpoint</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>GET</td>
<td>Read All OAuth2 Client Credential</td>
<td>/OAuth2ClientCredentials</td>
</tr>
<tr>
<td></td>
<td>GET</td>
<td>Read specific OAuth2 Client Credential</td>
<td>/OAuth2ClientCredentials('credential_name')</td>
</tr>
<tr>
<td></td>
<td>POST</td>
<td>Create OAuth2 Client Credential</td>
<td>/OAuth2ClientCredentials</td>
</tr>
<tr>
<td></td>
<td>PUT</td>
<td>Update OAuth2 Client Credential</td>
<td>/OAuth2ClientCredentials('credential_name')</td>
</tr>
<tr>
<td></td>
<td>DELETE</td>
<td>Delete OAuth2 Client Credential</td>
<td>/OAuth2ClientCredentials('credential_name')</td>
</tr>
</tbody>
</table>
## Remote OData API Enhancements

### Integration Package Public APIs

<table>
<thead>
<tr>
<th>Method</th>
<th>Endpoint</th>
<th>Try out</th>
<th>Code Snippet</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>/IntegrationPackages</td>
<td></td>
<td></td>
</tr>
<tr>
<td>POST</td>
<td>/IntegrationPackages</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GET</td>
<td>/IntegrationPackages/{id}</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PUT</td>
<td>/IntegrationPackages/{id}</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DELETE</td>
<td>/IntegrationPackages/{id}</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GET</td>
<td>/IntegrationPackages/{id}/IntegrationDesignTimeArtifacts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GET</td>
<td>/IntegrationPackages/{id}/IntegrationDesignTimeArtifacts(Id='ArtifactId';Version='...')</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
LDAP Adapter: Search & Delete Operations

The Lightweight Directory Access Protocol (LDAP) Receiver Adapter enables you to communicate with systems that expose data through LDAP service.

The supported operations are:

- **Insert**: Allows you to create a new entry in LDAP service.
- **Modify**: Use this operation to edit an existing entry in LDAP directory.
- **Search**: Allows you to perform a query for entries, in Java (JNDI) Attributes or XML format. (Blog)
- **Delete**: Erases an entry from the LDAP directory.

![Image of LDAP Adapter settings](image-url)
Validation Checks

Check feature in Queue Monitor
The Managing Message Queues (in the Web UI Operations view under Manage Stores) now provides the Check function in the Cloud Foundry environment, using which you can find the unused and missing queues.

Local Integration Process
Validation checks in the local integration process has been improvised. If the integration flow includes some empty elements and sequences, a clear message will be shown while displaying problems.
API Management
Agenda

• API Management fully automated service service in Cloud Foundry (Starter Plan)
• API Management as a native Application in Cloud Foundry
• Discovery and Consumption of OData Services from CPI.
API Management fully automated service service in Cloud Foundry

- Automated onboarding - No manual steps and wait time for initial provisioning (and update) of Virtual Host URLs
- Feature exists only on Hyperscalers (AWS, Azure)
- Manual steps are needed in cases when Clients don’t support SNI extension, Custom domain support, 2-way SSL between Clients and API Management.
API Management as a native Application in Cloud Foundry

- API Portal and Developer Portal now natively will be hosted as SaaS Applications in Cloud Foundry -> no more dependency on Neo
- Existing API Management Roles will be made available as pre-delivered Role Collections in CF.
- Additional custom Roles can be created and assigned to pre-delivered Role Templates in order to manage permissions to Developers
- GA in Azure Data Centers and AliCloud expected by mid-March
Discovery and Consumption of OData Services from CPI

- Ability to onboard an API Provider of type ‘Cloud Platform Interface’, both for:
  - CPI Design-time - OData interfaces (only) from CPI can now be discovered during API Proxy creation routine, Resources listed in Open API format
  - CPI Runtime - System will grab the IFLOW’s runtime URL and proxy the Service.
- Can authenticate to the design-time and runtime URLs with Basic Authentication and Client Certificates (next Sprint)
- Enhance the Keystore support in API Management to also work with PCKS12 format (next Sprint)
Open Connectors
Agenda

- Connectors updates
- Postman Collection in Connector Builder
Newly Added Connectors

Google Cloud Storage
ID: 20954

Oracle HCM Cloud
ID: 16035

ADP WorkForce Now
ID: 22019

Intercom
ID: 17470

Snowflake
ID: 20433

Coupa
ID: 21761

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Updated Connectors

Support for latest version v2.0

Support for latest version v2.22

Support for Procure to Pay use-cases
Create connector using your Postman collection 2.0
Q&A
Thank you.