



# TIPS & TRIKS – MED FOKUS PÅ CLOUD INTEGRATION

Teams Meeting 14 Juni 2022

Lena Lundell - InfoTeam

Björn Torold, Joakim Mattsson - Infor

# Dagens ämnen

Inledning

Senaste nytt från fältet angående M3 Cloud

Att flytta integrationer från befintlig lösning till Cloud

Extensibility 4

Demo nya möjligheter

Frågor och funderingar



**Infoteam inviterer til webinar den 14. juni:**

## Tips og Triks med fokus på Cloud Integration.

Sommeren nærmer seg og flere og flere selskaper med M3 oppgraderer til skyversjonen. En stor del av utfordringen med oppgraderingen kan være å omarbeide sine integrasjoner. Derfor tenkte vi å se litt mer i detalj på Cloud Integrations og hvordan vi håndterer disse på best mulig måte.

Vi ser litt mer detaljert på hvordan integrasjoner håndteres i M3 Cloud Edition og også hvordan Infor OS fungerer i Cloud og hvordan du kan supplere dine eksisterende MEC-integrasjoner med Infor OS-teknologi.

Vi får noen tips om hvordan man kan få mest mulig ut av de nye mulighetene som er tilgjengelige i skyen, eller «Cloud» som noen kaller det.

Du kan forvente deg følgende innhold:

- Hvordan håndteres EDI og hva er forskjellen mellom Inbound og Outbound?
- Hvordan kobler jeg skyen til mine On Prem-applikasjoner?
- Hva bidrar Enterprise Connector med?
- Hvordan håndteres ION Messaging Service og hva er det egentlig?
- Hvis man vil bruke Microsoft Azure-tjenester, hvordan gjøres det?
- Hvordan får jeg den ytelsen jeg trenger?

June 2022

# Infor M3 Cloud Edition

Infor **CloudSuite**



## M3 Cloud Edition Customers

Customers provisioned with M3 Cloud Edition

**343** (104)

## Usability Features Delivered

Developments for Technology and User Experience

**130**



## Total Countries Supported

Countries Supported with M3 Cloud Edition

**71**

## Capability Features Delivered

Developments for Integrations and Geo Support

**570**



## Total Integrations supported

Strategic Integrations with Best-of-Breed and 3rd Party

**24**

## Industry Features Delivered

New features within the technology layer

**1117**





# Our journey for 2022

## Cloud Maturity

- MES integration (Lighthouse)
- Enhanced WMS integration; CPQ for manufacturing config; Infor TMS
- Integration with Salesforce.com; Dynamics CRM; Shopify
- EDI w/ EDI Exchg and SPS Commerce
- Zero down time; Mega scalability
- Deeper extensibility and more APIs
- Application Configuration Management
- Sustainability v1 incl. env. tax reporting
- Webshop & POS end-to-end process

## Industry Cloud

- FDA compliance-based industries
- Central Procurement
- Enhancements for protein
- Enterprise Quality Management v1
- Cross company projects and planning
- Equipment focused IoT
- PLM - GS1 Trade Item Data template
- More on Trade Agreements, Internal Sales and Corporate Accounting

## Time 2 Value

- 10+ new industry homepages
- C-level dashboards
- In-context analytic widgets for Finance
- Purpose built widgets and workflows
- More pre-configured "personalization" of applications
- Data management and loading templates for faster initial deployment
- Real-time decision support via Machine learning

## User Experience

- Leverage Portal 2.0
- High productive UX – new user experience platform for initial processes with high configurability
- New MFS; CLM Apps & real time CLM Dashboards; CLM analytics
- M3 Portals – self service
- Industry workbenches to key processes like Shopfloor and Quality Control
- Factory Track productivity

1

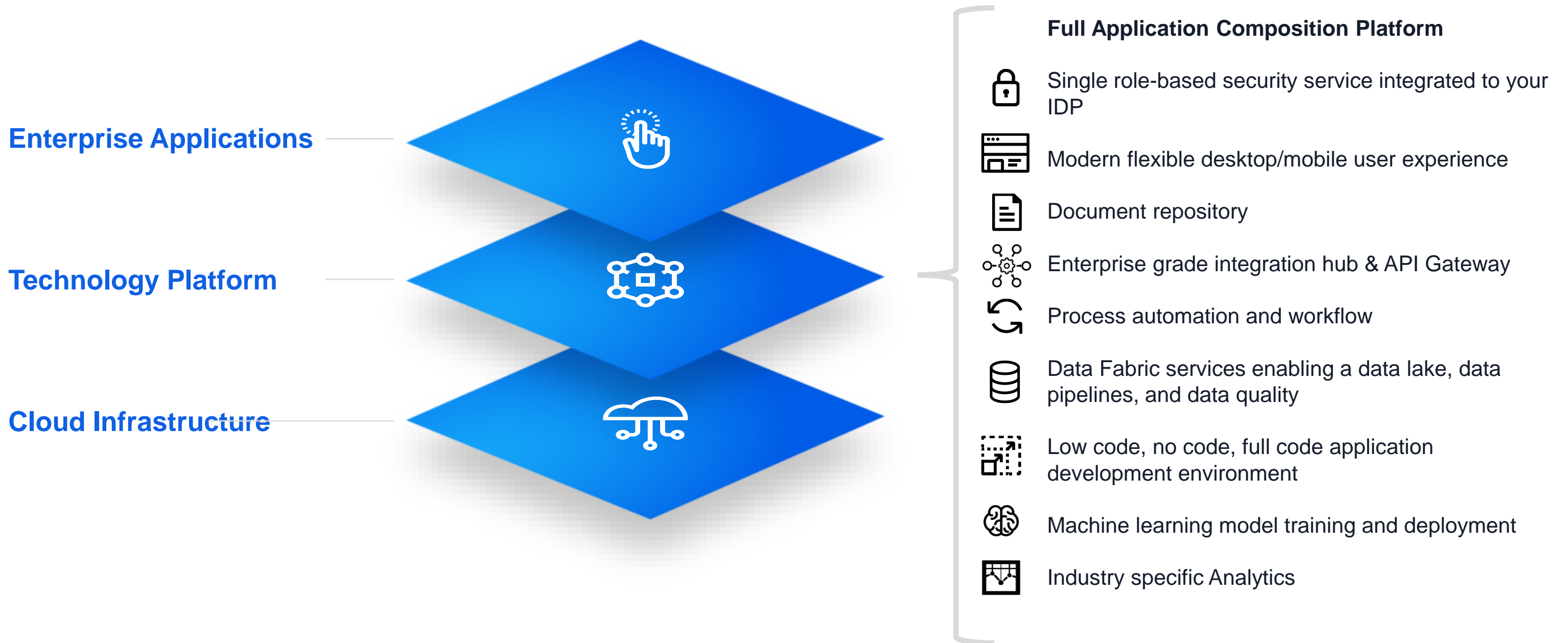
2

3

4

*...plus hundreds of detailed industry and legal features...*

# True multi-tenant SaaS enterprise cloud



✓ Available in the M3 Cloud

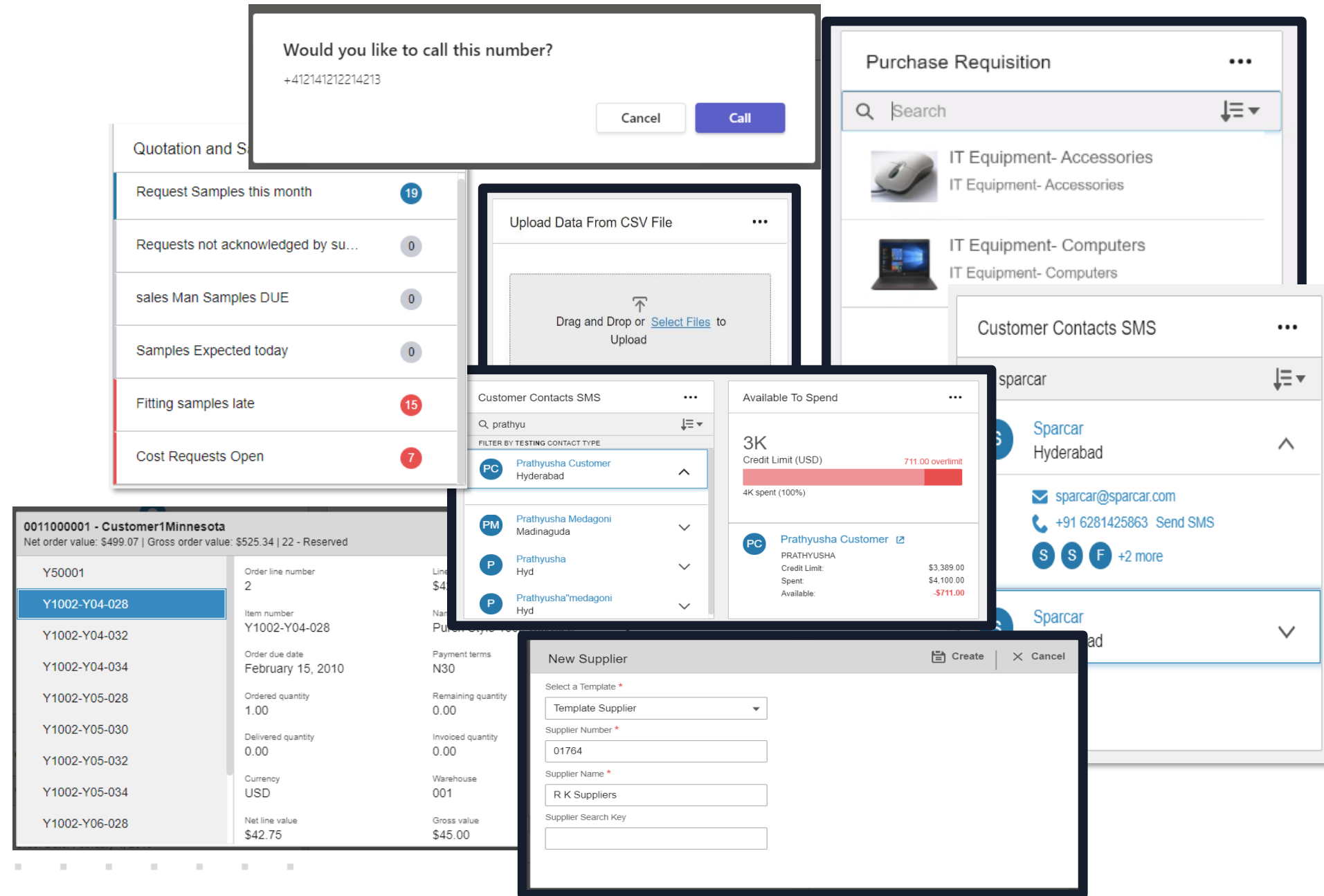
## Highlights

# Experience simple is better Homepage widgets

## Go get them and use or be inspired by them

The Homepages have extended the widget catalogue with some unique capabilities. Examples may apply to certain types of businesses only but can certainly be used as inspiration and new ideas

- Purchase requisition (for non-stocked items)
- Upload of data via .csv file
- Customer contacts
- Customer look up
- Available to spend
- Create item (minor info)
- Create supplier (minor info)
- Receive purchase order (non-stocked for instance)



## Value

- Simplify processes
- Productized widgets on your role based homepage
- Get inspired and create your own

Page Catalog 🔍 Close

Home Categories ☆ Save Filter ↓ Title A-Z

All Related Tags

New & Updated

Refine by

- Owner
- Tags
- Type

<p>Accounts Payable Contr... <span>🔍 +</span></p> <p>IA for M3 example Accounts Payable Controller Homepage, aimed at the M3 Accounts Payable user. Provided by Infor.</p> <p>Last edited by Infor 10/6/2021 10:42 AM</p>	<p>Accounts Payable Contr... <span>🔍 +</span></p> <p>IA for M3 example Accounts Payable Controller Homepage, aimed at the M3 Accounts Payable user. "Provided by Infor."</p> <p>Last edited by Valerie Schmidt 6/3/2021 1:01 PM</p>	<p>Accounts Receivable Co... <span>🔍 +</span></p> <p>IA for M3 example Accounts Receivable Controller Homepage, aimed at the M3 Accounts Receivable user. Provided by Infor.</p> <p>Last edited by Infor 10/7/2021 10:07 AM</p>
<p>Accounts Receivable Co... <span>🔍 +</span></p> <p>IA for M3 example Accounts Receivable Controller Homepage, aimed at the M3 Accounts Receivable user. "Provided by Infor".</p> <p>Last edited by Valerie Schmidt 6/3/2021 1:01 PM</p>	<p>Admin Homepage <span>🔍 +</span></p> <p>Admin Widgets</p> <p>Last edited by bjorn torold 1/13/2022 11:34 AM</p>	<p>AP Financials 4.0 <span>🔍 +</span></p> <p>Work</p> <p>Last edited by Erik Nordman 9/22/2021 11:26 AM</p>
<p>AR &amp; CM Financials 4.0 <span>🔍 +</span></p>	<p>Buyer <span>🔍 +</span></p>	<p>Customer Service <span>🔍 +</span></p>





## Expand/collapse messages in Inbox/widgets

### Description

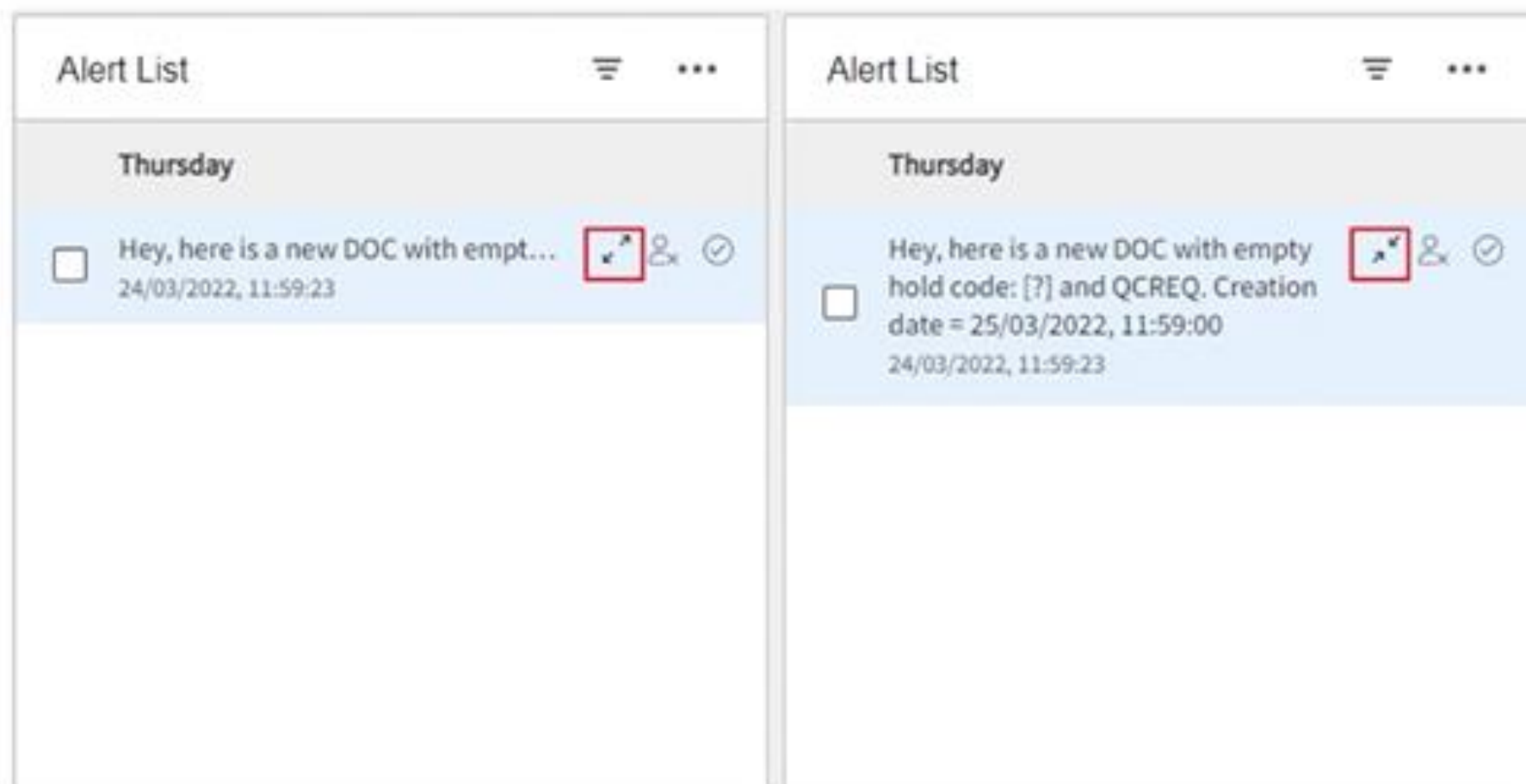
The ability to Expand/Collapse long messages in widgets and Inbox and the ability to drill down

### Benefit/Value-to-Customer

Users can see the whole message without having to open widgets or Inbox items and also navigate to details view easily.

### Use Case

If the user clicks on dedicated icon to expand, full text is loaded. Clicking anywhere else on the item opens its detail view.

**Deployment Type**

AWS

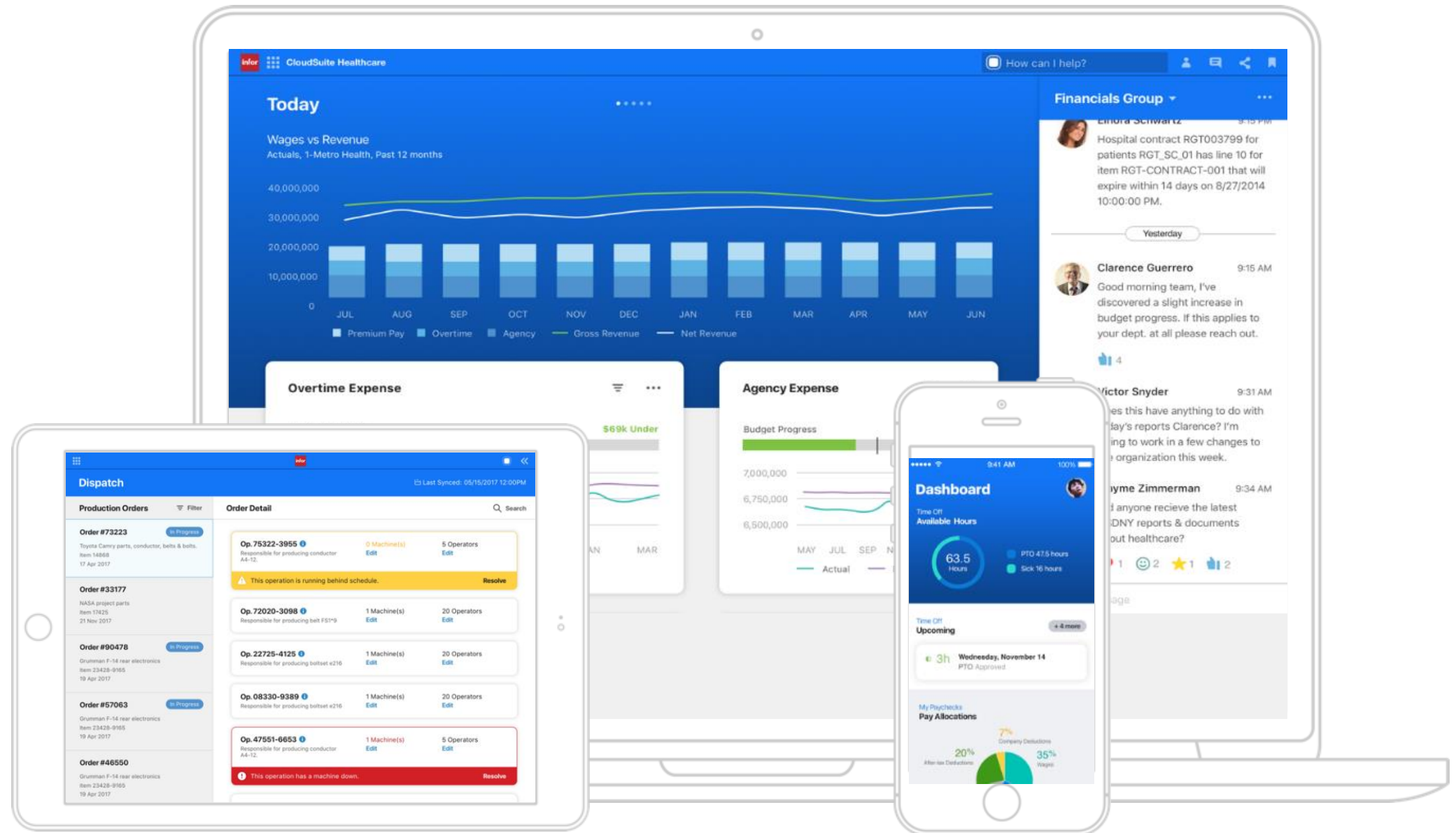
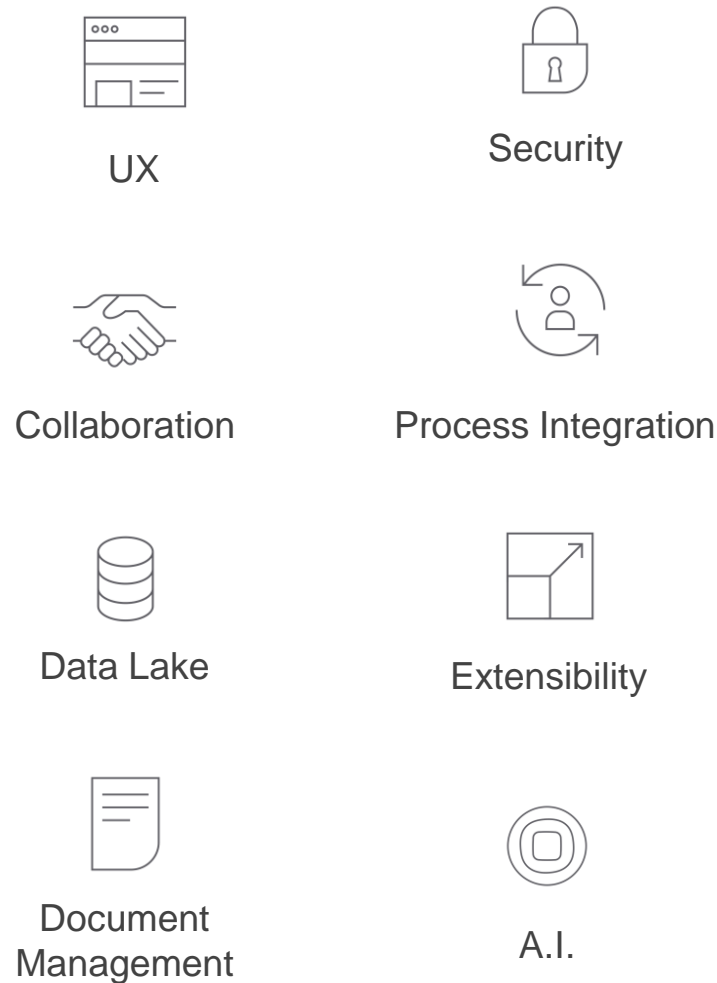


# Operating Service

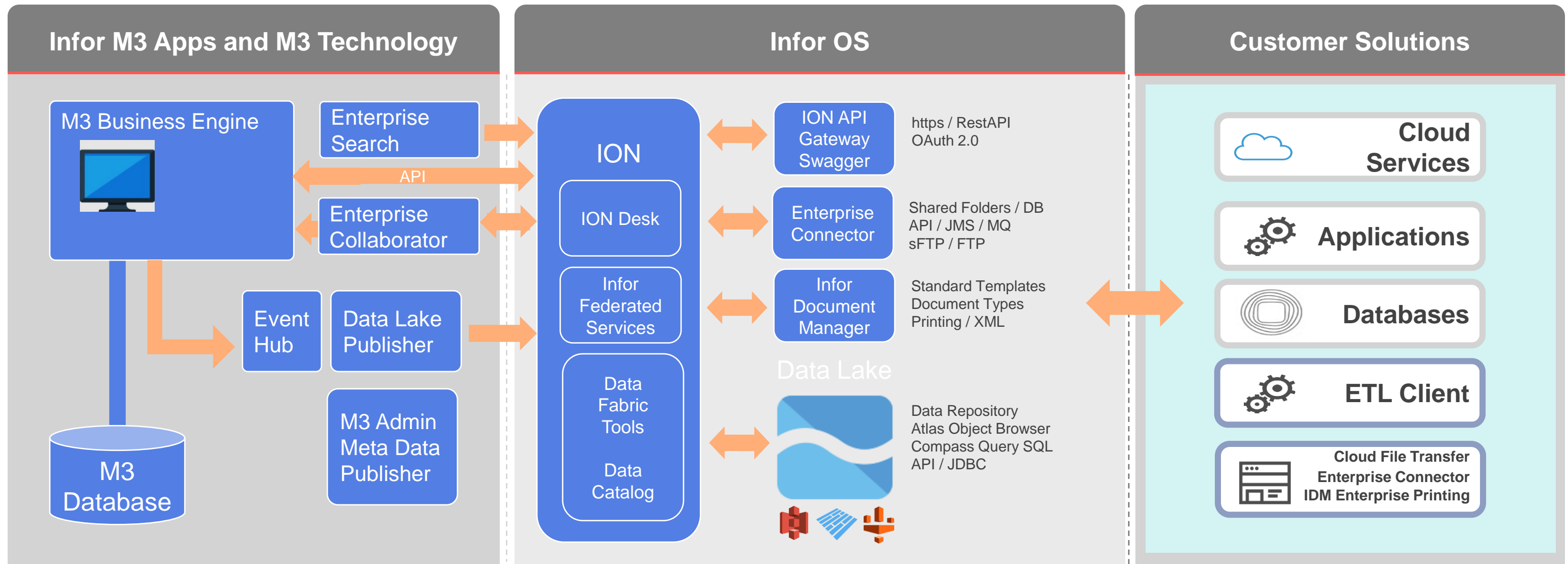
“one of the most mature and complete EAP platforms”



Infor Operating Services provides a digital cloud gateway allowing for **integration, collaboration, extensibility, and innovation** beyond what is achieved at go-live.



# M3 CE Integration Architecture



# Cloud Asynchronous & Synchronous Integrations



## ION BOD/MSG

- ✓ Asynchronous FILE
- ✓ Publish – Subscribe
- ✓ Event Driven



## ION API Gateway

- ✓ Synchronous RestAPI
- ✓ Point to Point
- ✓ Client initiated



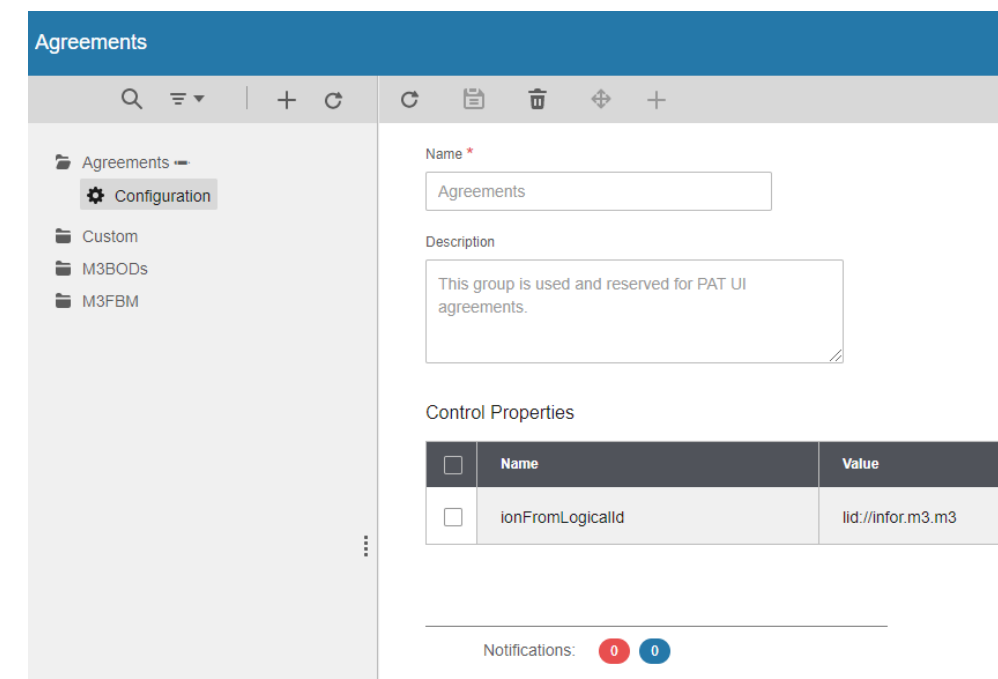
# Extensibility 4

## Export your MEC mapping from your On Prem M3 and migrate directly into M3 Cloud Edition

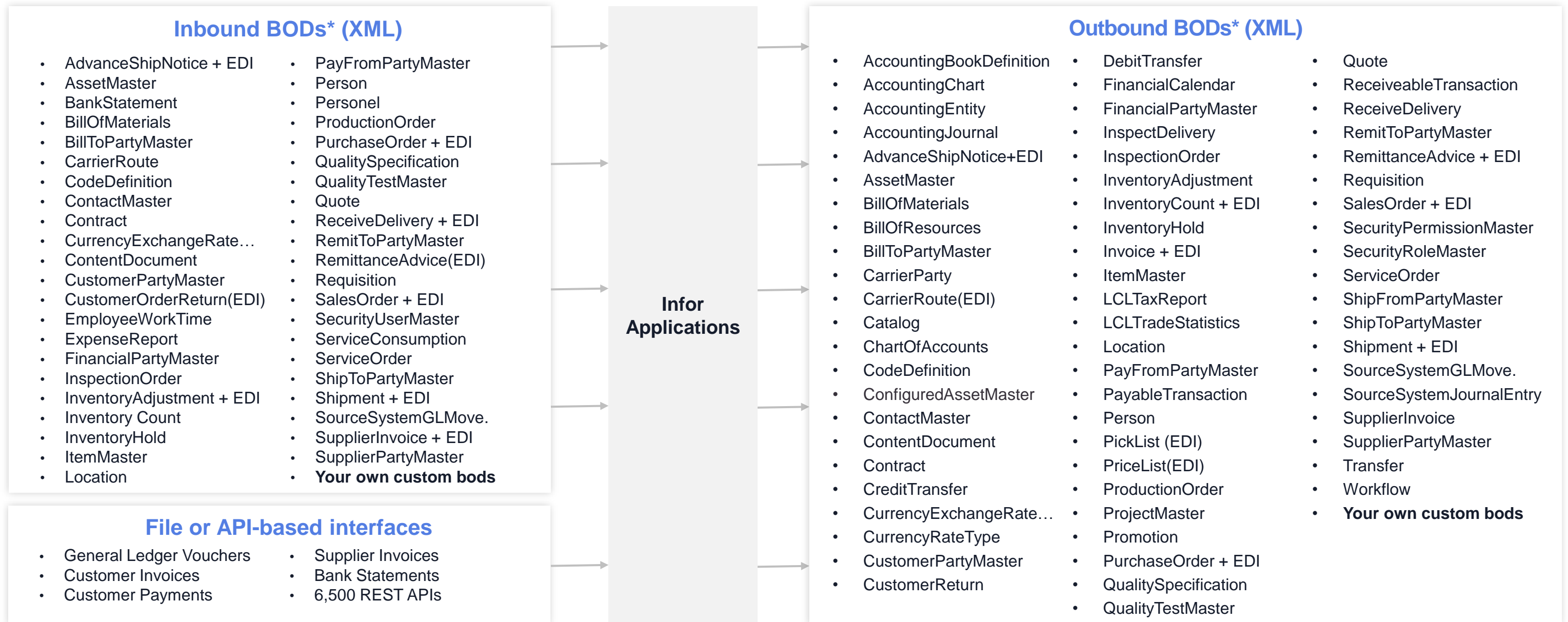
- Reduce project time for all your existing integrations
- Simplify for customer to manage integrations

## Characteristics

- Use any XML or flat file format and structure you want
  - XML schema constructs must be supported by the IEC mapper
  - Flat file structure must be supported by the flat file tool and parser in IEC
- No restriction on message flows
  - Outbound messages are triggered by events from Event Hub
  - Inbound messages are received from ION using Any Data over IMS



# Infor ION: Documents (120+)



\*Business Object Document: Open Applications Group (oagi.org) standard XML file representing a business object – e.g., Sales order, customer, item. Can also be other formats - flat files, JSON, etc.

# ION Desk – The cockpit for Integrations and Business Process Management

Establish Connection points

Monitor & Workflows

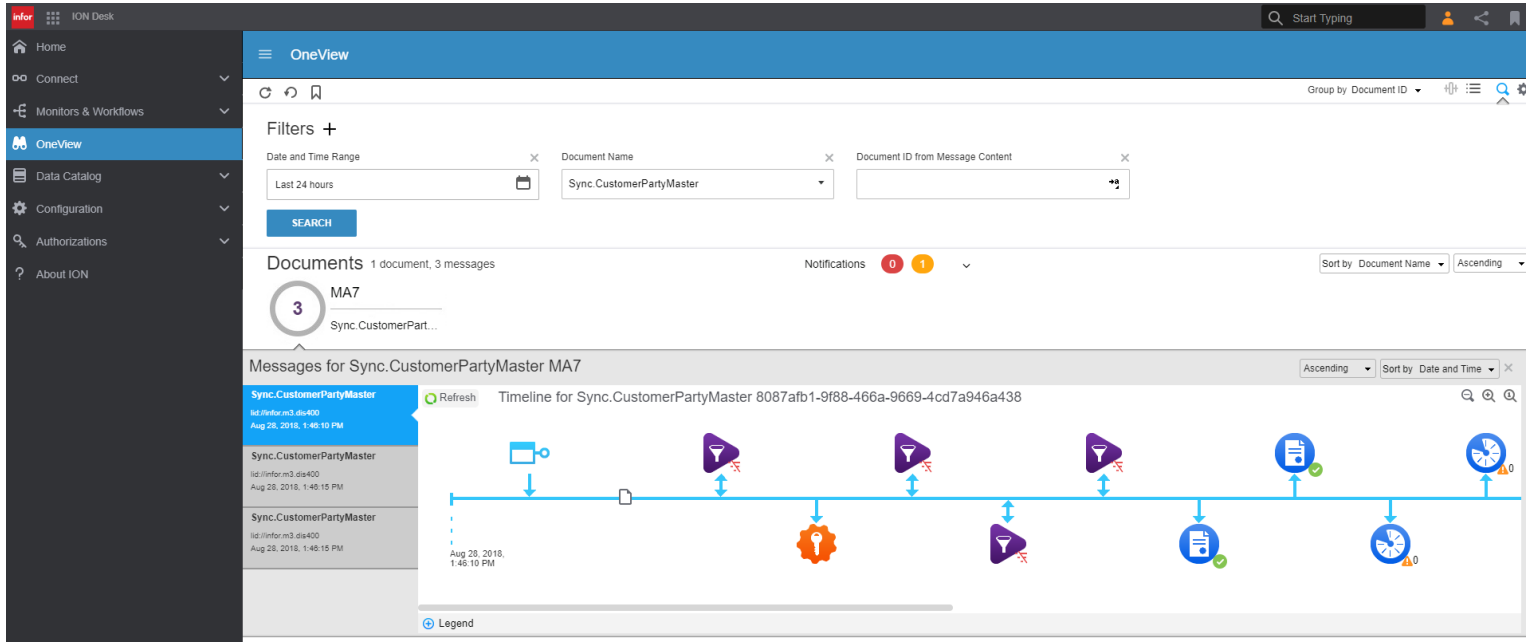
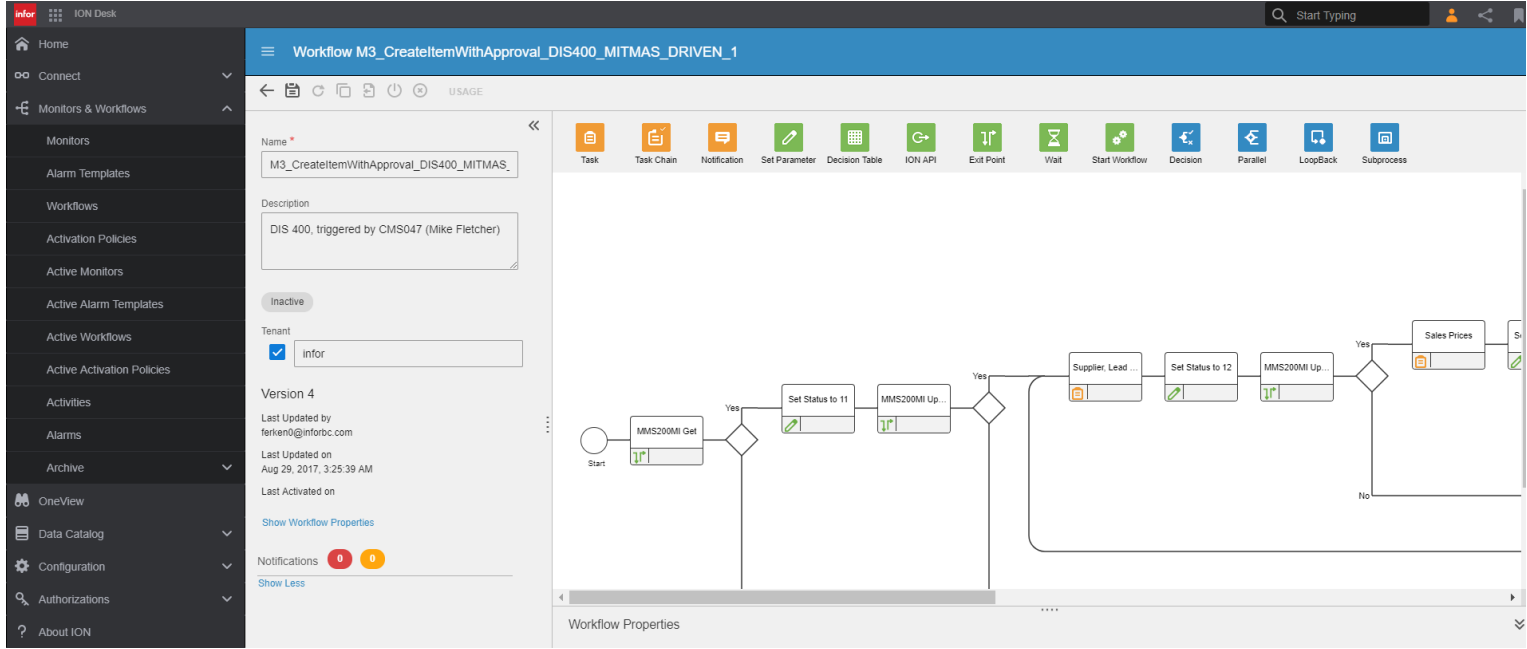
Scripting and Mapping XML

Data Catalog and Data Lake

OneView Monitor / Alerts

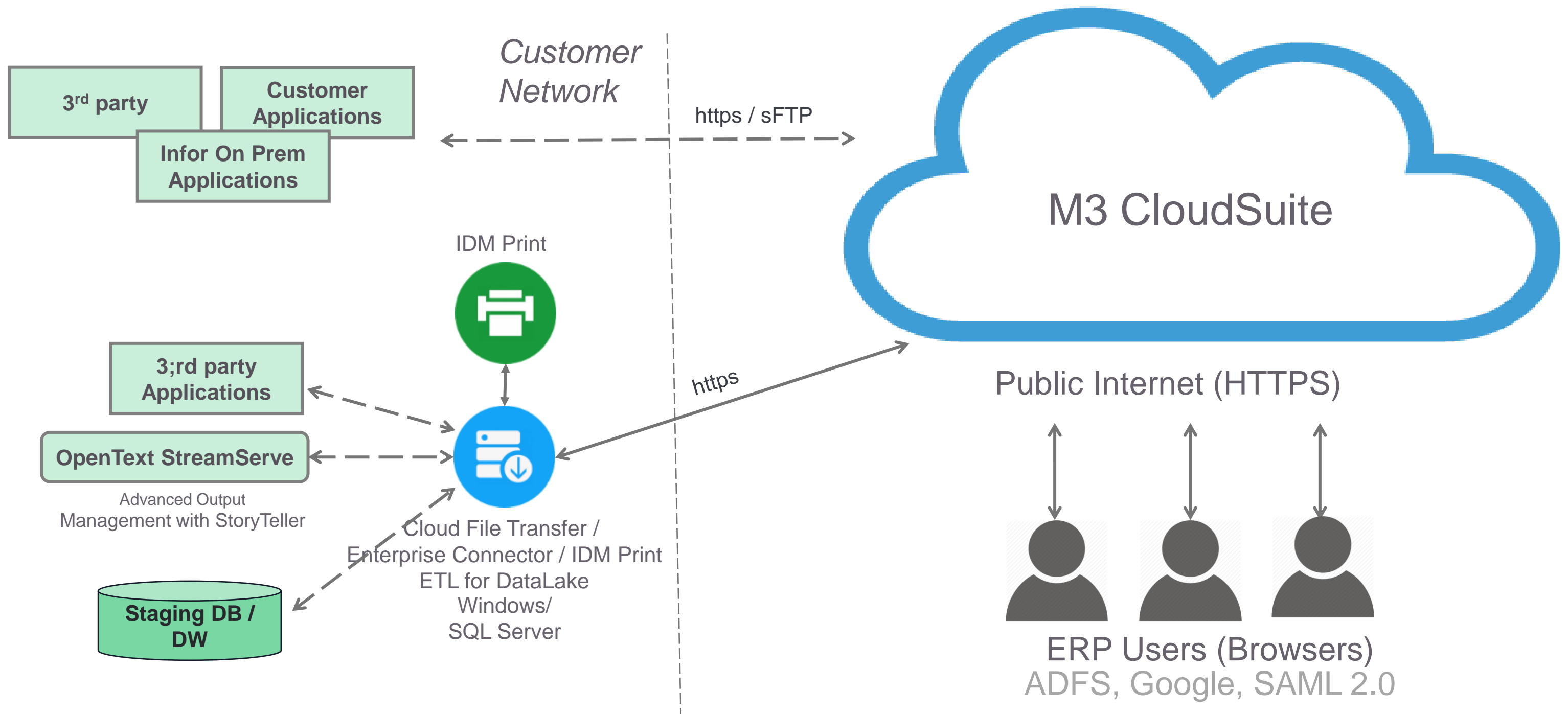
ION API

Security and Configuration





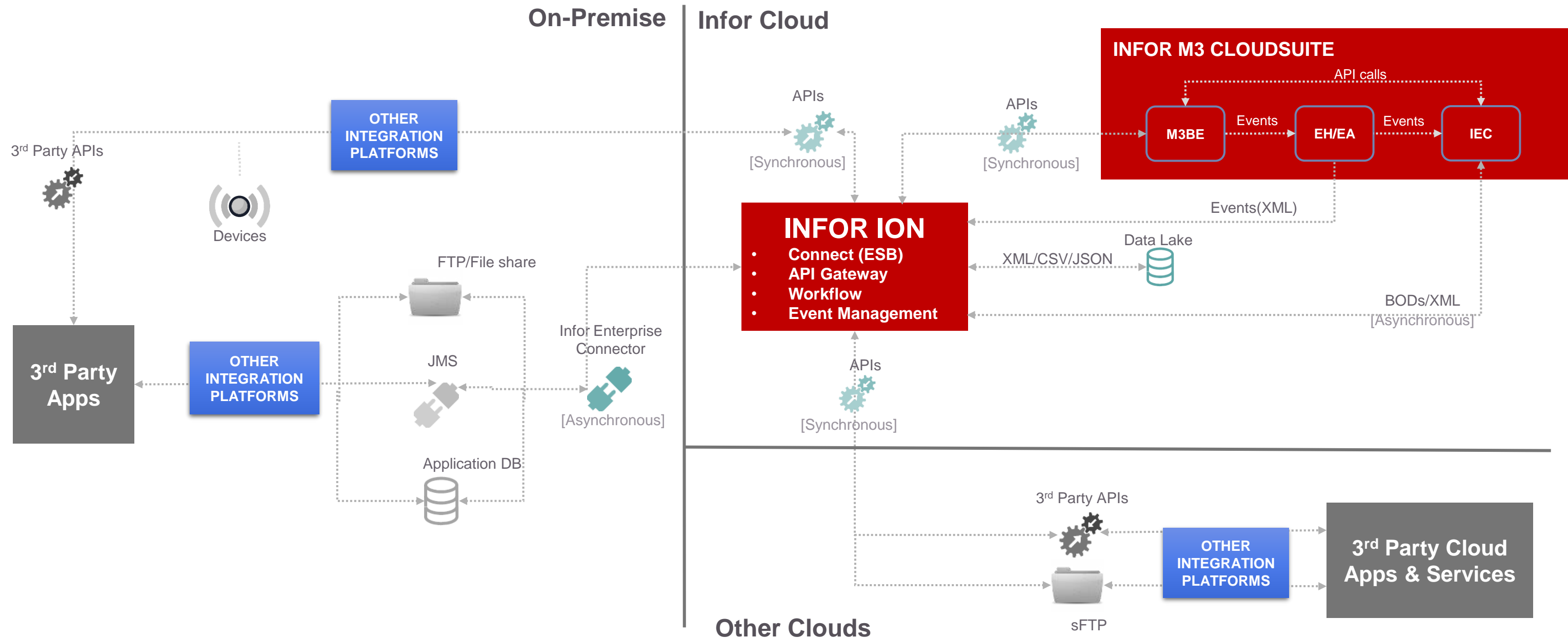
# M3 CloudSuite- Connections



# Common questions around Infor CE connectivity

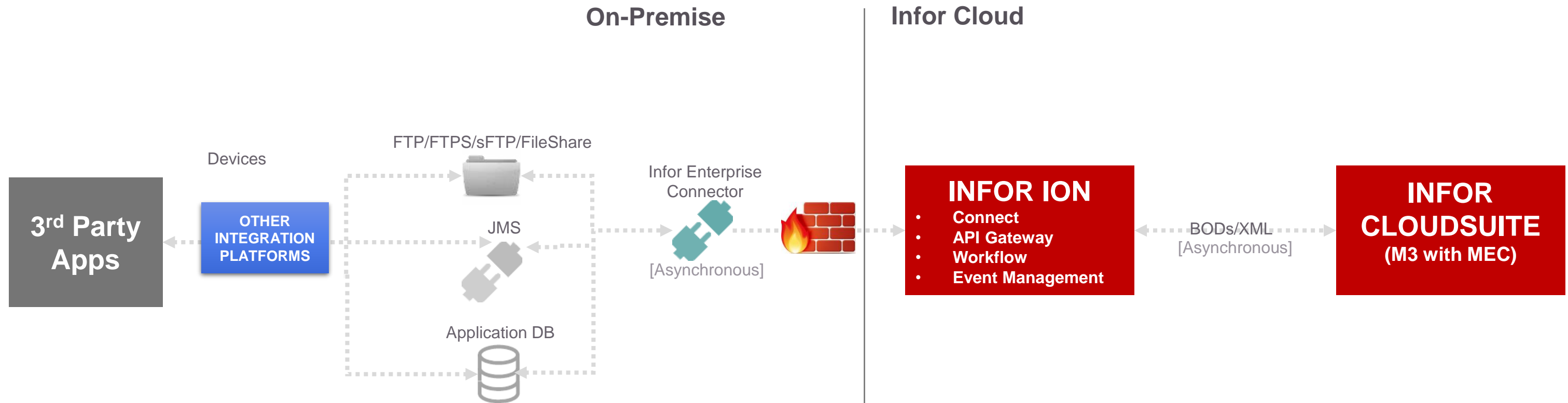
- What is the purpose for Enterprise Connector (EC)?
  - Is Enterprise Connector mandatory?
  - What about security and ports?
- What is Infor Messaging Service (IMS)?
  - Is IMS used in synchronous or asynchronous scenarios?
- How does Infor CE support an API-first strategy?
- Now that Infor have ION, can we still use the Integration platform that we use today?
- Is it possible to connect to other cloud services such as AWS S3, Azure Blob Storage and Azure Service Bus?

# Hybrid & multi-cloud connectors – Overview





# Connectivity with Enterprise Connector



# Connectivity with Enterprise Connector

The screenshot displays the Infor ION Desk interface with three overlapping windows:

- ION Desk (Left):** A sidebar menu with options: Home, Connect, Data Flows, API Flows, Data Loaders, Connection Points, Mappings, File Templates, Enterprise Locations (highlighted), and Active Data Flows.
- Enterprise Locations (Middle):** A window titled "Enterprise Locations" showing a list of locations. The "Name" column is expanded to show details for several locations.
- Topology View - Grid Management (Center):** A window showing a table of applications and nodes. The table includes columns for Type, Application, Name, and Status.
- Infor Enterprise Connector - IONEnterpriseConnector (Right):** A configuration window for the Enterprise Connector, including fields for Access Key ID, Secret Access Key, Tenant Mapping, and Location Information.

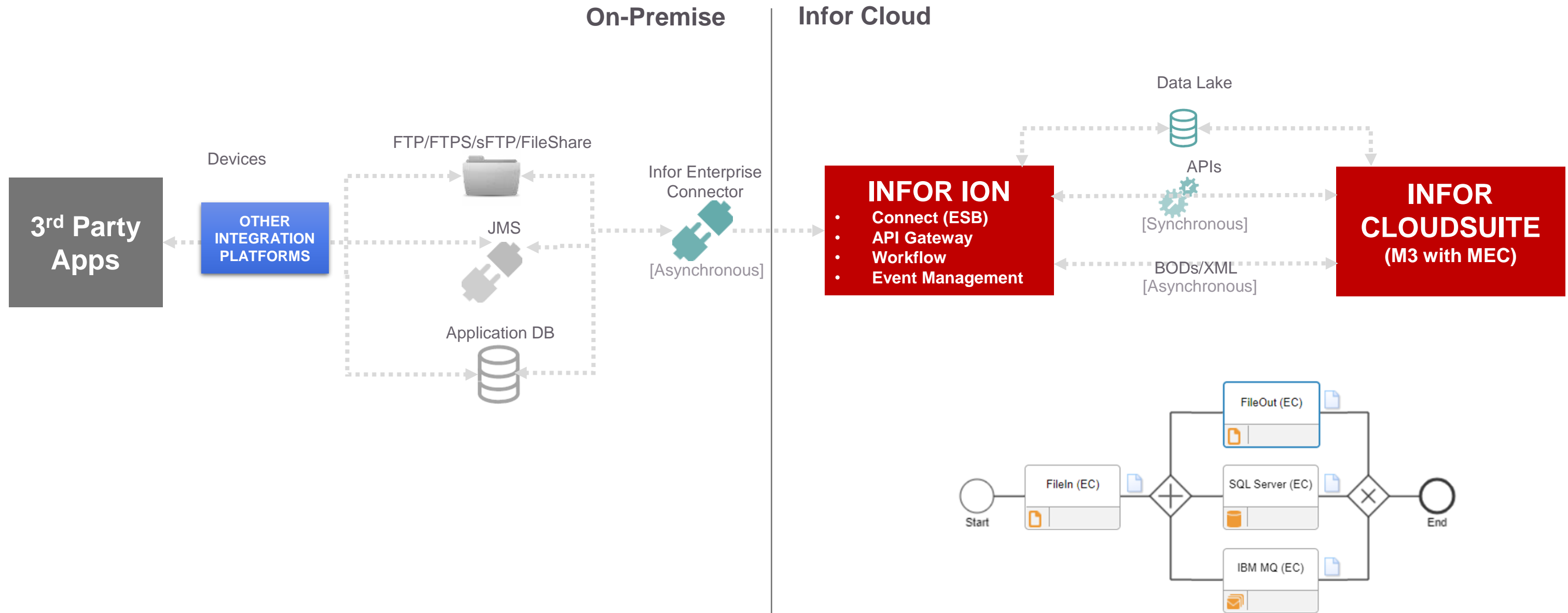
Type	Application	Name	Status
Host		MISC01	OK
Router	SYSTEM	Host Router-MISC01	OK
Node	IONAPIHybridService	IONAPIHybridServiceModule	OK
Node	IONEnterpriseConnector	EnterpriseConnector	OK

Name	Description	Status	Count
LocalServer	Local Server	Error	12
MatsPC	Mats PC		
zJMHome		OK	20

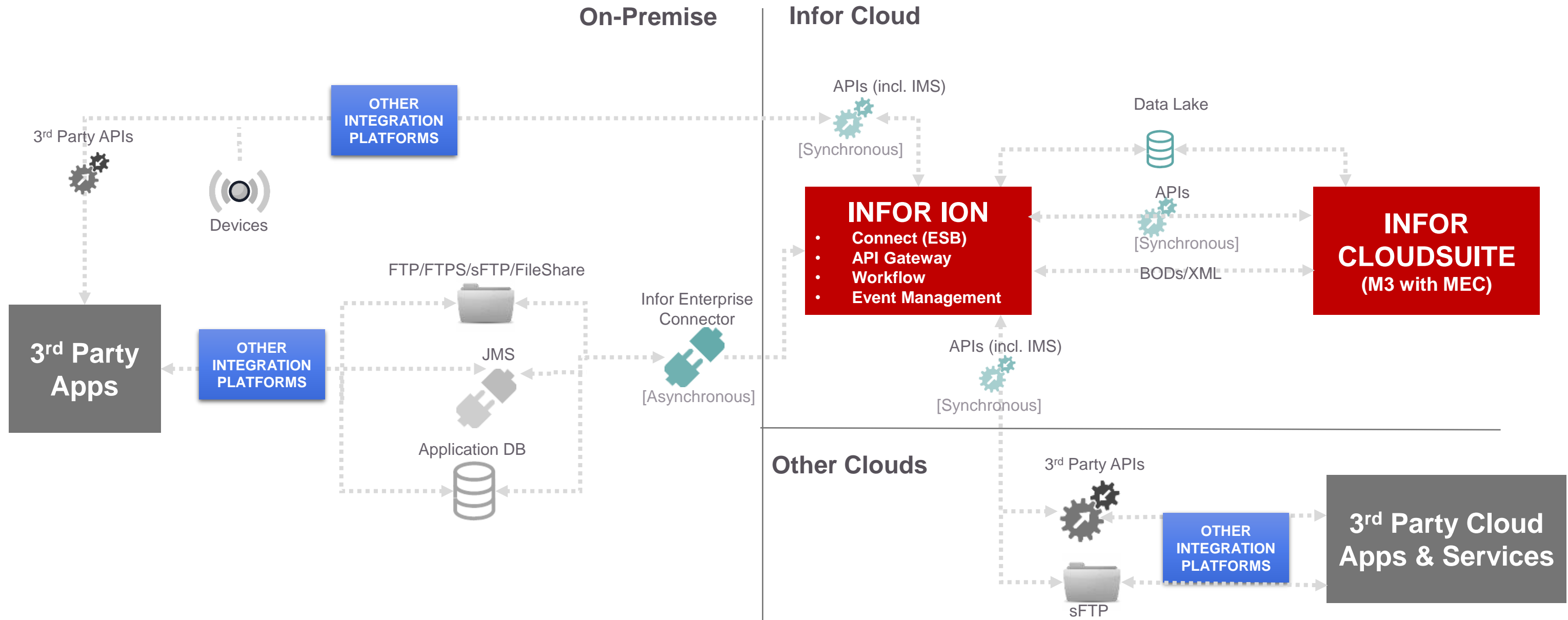
**Infor Enterprise Connector Configuration:**

- Access Key ID: AKIAX3ZHJSLBEQQ
- Secret Access Key: [Redacted]
- Tenant Mapping: SLSGDENA011\_TRN
- Location Information:
  - Name: zJMHome
  - Status: OK
  - Connection Points: 3 Active (0 Paused)
  - Tenant: SLSGDENA011\_TRN
  - Log Folder: C:\Infor\IONEC\GDE\grid\log

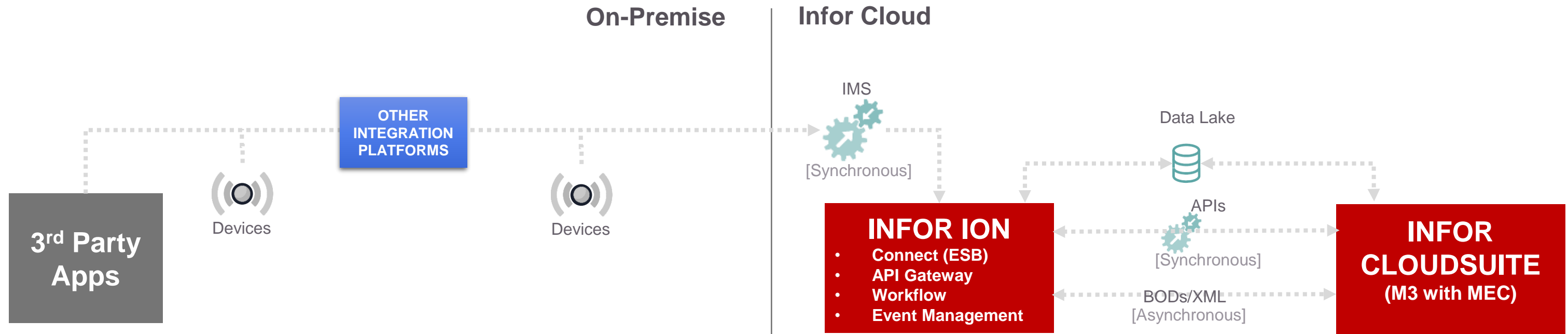
# Connectivity with Enterprise Connector



# Hybrid & multi-cloud connectors – Overview



# Infor Messaging Service (IMS) in Infor CE





# Infor Messaging Service (IMS) in Infor CE

The screenshot shows the Infor ION API management interface. On the left is a navigation sidebar with options: Available APIs, Authorized Apps, Configuration, API Metadata, Monitoring, and Authorizations. The main content area is titled 'Available APIs / Infor ION' and includes a description: 'Infor ION provides Integration Platform as a Service functionality for all Infor applications. REST based.' Below this is an 'Endpoints' section with a table of API endpoints. A blue arrow points to the last row of the table, which is the 'Infor Messaging Service' endpoint.

Endpoint	Description	Indexing Status	Documentation	Details
<input type="checkbox"/> <a href="https://mingle-ionapi.inforcloudsuite.com/SLSGDENA011_TRN/IONSERVICES/oneviewapi">https://mingle-ionapi.inforcloudsuite.com/SLSGDENA011_TRN/IONSERVICES/oneviewapi</a>	ION OneView API	<input checked="" type="checkbox"/>		→
<input type="checkbox"/> <a href="https://mingle-ionapi.inforcloudsuite.com/SLSGDENA011_TRN/IONSERVICES/alarmservice">https://mingle-ionapi.inforcloudsuite.com/SLSGDENA011_TRN/IONSERVICES/alarmservice</a>	Using the ION Alarm Service API you ca...	<input checked="" type="checkbox"/>		→
<input type="checkbox"/> <a href="https://mingle-ionapi.inforcloudsuite.com/SLSGDENA011_TRN/IONSERVICES/process/application">https://mingle-ionapi.inforcloudsuite.com/SLSGDENA011_TRN/IONSERVICES/process/application</a>	Using the ION Process Application API y...	<input checked="" type="checkbox"/>		→
<input type="checkbox"/> <a href="https://mingle-ionapi.inforcloudsuite.com/SLSGDENA011_TRN/IONSERVICES/process/user">https://mingle-ionapi.inforcloudsuite.com/SLSGDENA011_TRN/IONSERVICES/process/user</a>	Using the ION Process User API you can...	<input checked="" type="checkbox"/>		→
<input checked="" type="checkbox"/> <a href="https://mingle-ionapi.inforcloudsuite.com/SLSGDENA011_TRN/IONSERVICES/api/ion/messaging/service">https://mingle-ionapi.inforcloudsuite.com/SLSGDENA011_TRN/IONSERVICES/api/ion/messaging/service</a>	The ION Messaging Service can be use...	<input checked="" type="checkbox"/>		→

# Infor Messaging Service (IMS) in Infor CE

**IMS** 3.0.202009
[ Base URL: /SLSGDENA011\_TRN/IONSERVICES/api/ion/messaging/service ]
Try it out

---

## IMS Messaging Service

GET
/ping
PING :: Ping Service interface, checks whether the server is available or not.

GET
/protocol
PROTOCOL :: Gets IMS API supported version and protocol parameters

## IMS Messaging Service v2

POST
/v2/multipartMessage
MULTIPARTMESSAGE :: Publish message to ION via IMS

POST
/v2/message
MESSAGE\_V2 :: Publish message to ION via IMS

POST
/v2/test
TEST :: Test tenant and logicalIds registered or not.

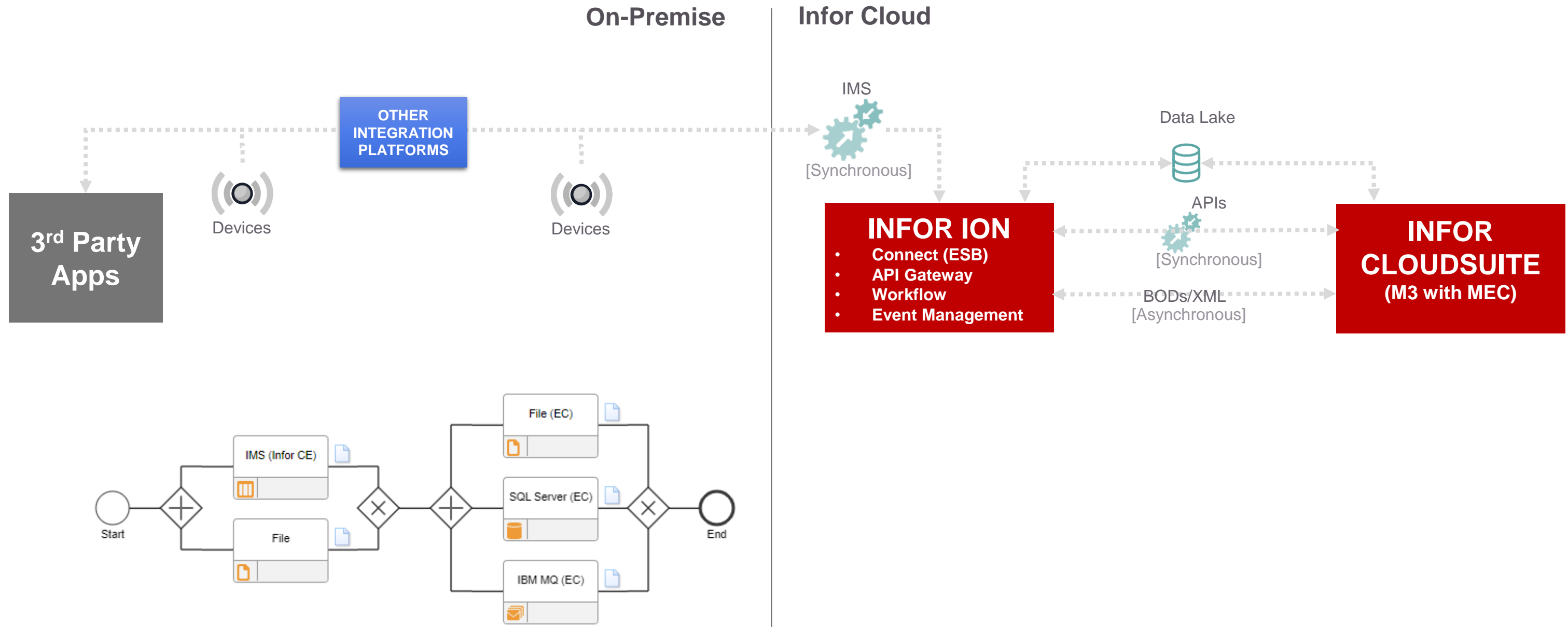
## IMS Messaging Service v3

POST
/v3/multipartMessage
MULTIPARTMESSAGE\_V3 :: Publish message to ION via IMS

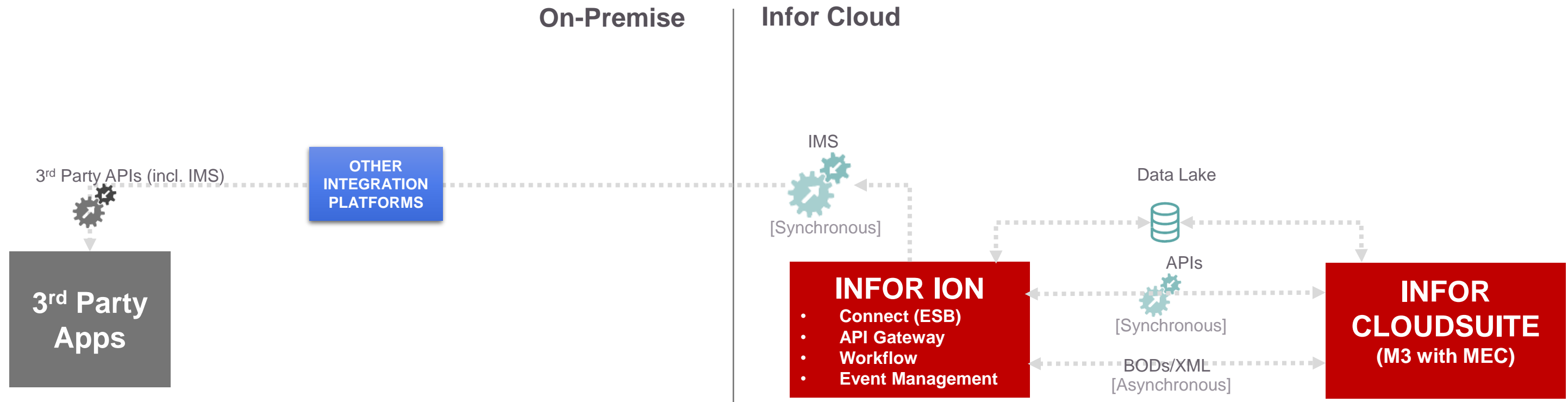
GET
/v3/{logicalId}/acceptedDocuments
ACCEPTEDDOCUMENTS :: List out all accepted d

Name	Description
logicalId string <i>(query)</i>	The From LogicalId as query parameter to specify from which application multipart message is being published <div style="border: 1px solid #ccc; padding: 2px; margin-top: 5px; font-family: monospace; font-size: 0.8em;">logicalId - The From LogicalId as query parameter t</div>
documentName string <i>(query)</i>	The document name as query parameter of multipart message that is being published <div style="border: 1px solid #ccc; padding: 2px; margin-top: 5px; font-family: monospace; font-size: 0.8em;">documentName - The document name as query pa</div>
<b>ParameterRequest</b> * required file(application/json) <i>(formData)</i>	Parameter Request File. The content type must be set to application/json. When selecting a file in this swagger, make sure that file has a '.json' extension Example: <pre style="font-family: monospace; font-size: 0.8em; margin: 5px 0;">{   "documentName": "Sync.SalesOrder",   "messageId": "message1",   "fromLogicalId": "lid://infor.ims.imsap",   "toLogicalId": "lid://default",   "encoding": "NONE",   "characterSet": "UTF-8",   "accountingEntity": "ae1",   "location": "loc123",   "documentId": "sdafas",   "variationId": 1,   "revisionId": "123",   "batchId": "infor.SSJE:1",   "batchSequence": 2,   "batchSize": 1,   "batchRevision": 1,   "batchAbortIndicator": true,   "instances": "1",   "source": "DB Connector",   "custom_property1": "value1",   "custom_property2": "value2" }</pre> <div style="border: 1px solid #ccc; padding: 2px; margin-top: 5px; display: flex; align-items: center;"> <span style="border: 1px solid #ccc; padding: 2px 5px; font-size: 0.8em;">Choose File</span> <span style="margin-left: 5px; font-size: 0.8em;">No file chosen</span> </div>
<b>MessagePayload</b> * required file(application/octet-stream) <i>(formData)</i>	Message Payload File. The content type must be set to application/octet-stream. When selecting a file in this swagger, make sure that file has no extension, a '.bin' extension or any other extension which resolves to this content type. <div style="border: 1px solid #ccc; padding: 2px; margin-top: 5px; display: flex; align-items: center;"> <span style="border: 1px solid #ccc; padding: 2px 5px; font-size: 0.8em;">Choose File</span> <span style="margin-left: 5px; font-size: 0.8em;">No file chosen</span> </div>

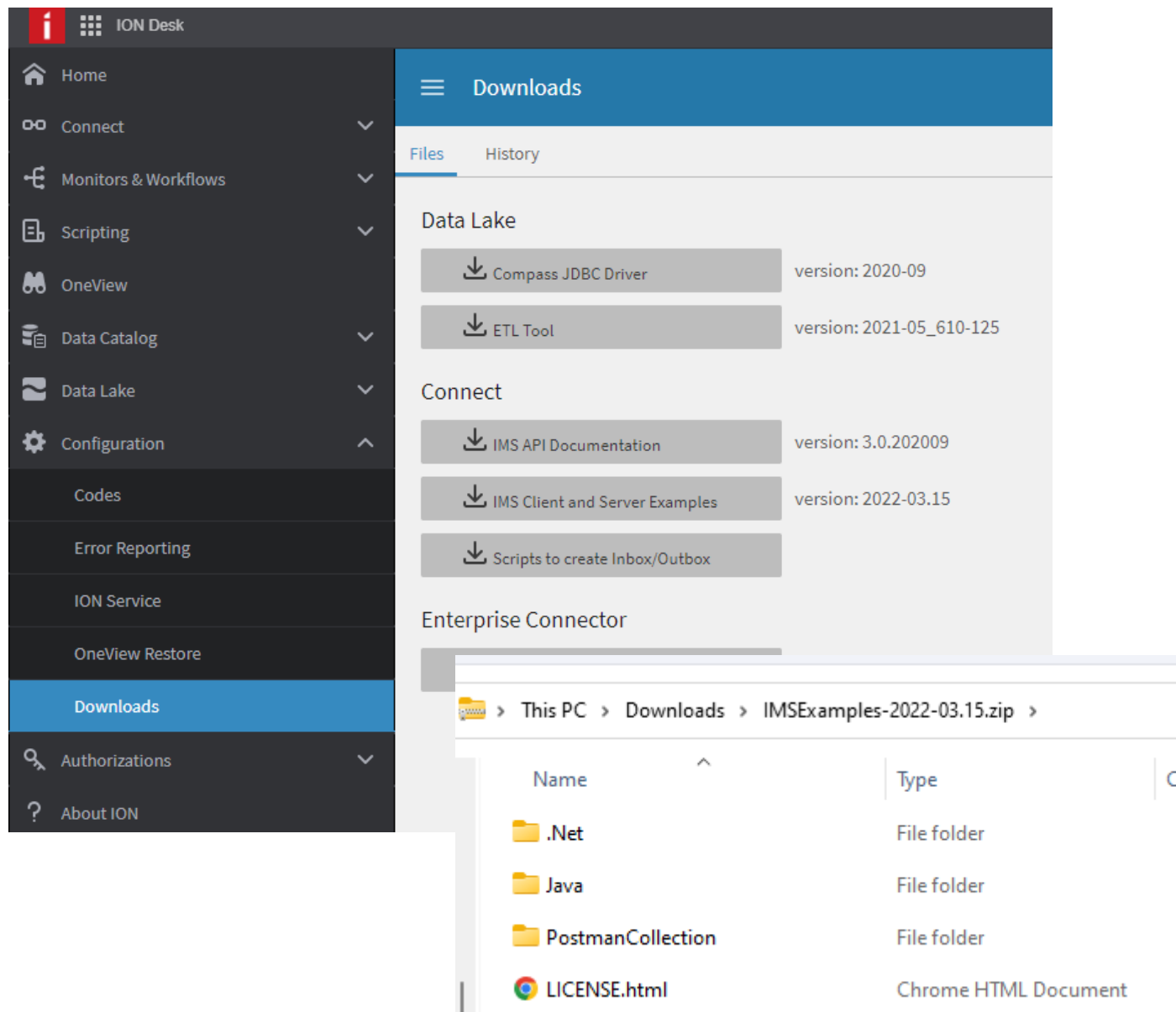
# Infor Messaging Service (IMS) in Infor CE



# Infor Messaging Service as 3<sup>rd</sup> party implementation



# Infor Messaging Service as 3<sup>rd</sup> party implementation



```

{
  "swagger" : "2.0",
  "info" : {
    "description" : "REST API documentation for the Infor ION Messaging Service API",
    "version" : "3.0.202009",
    "title" : "Infor ION Messaging Service"
  },
  "basePath" : "/api/ion/messaging/service",
  "tags" : [ ],
  "paths" : {
    "/ping" : {
      "get" : {
        "tags" : [ "IMS Messaging Service" ],
        "summary" : "PING :: Ping Service interface, checks whether the server is available or not.",
        "description" : "This method returns the server availability status.",
        "operationId" : "PING",
        "produces" : [ "application/json", "application/xml" ],
        "parameters" : [ ],
        "responses" : {
          "200" : {
            "description" : "OK",
            "examples" : {
              "application/json" : {
                "status" : "OK",
                "code" : 200
              }
            }
          },
          "401" : {
            "description" : "Unauthorized"
          },
          "404" : {
            "description" : "Not Found"
          },
          "405" : {
            "description" : "Method Not Allowed"
          },
          "406" : {
            "description" : "Not Acceptable Response"
          },
          "500" : {
            "description" : "Internal Server Error ",
            "examples" : {
              "application/json" : {
                "status" : "FAIL",
                "code" : 540,
                "errors" : "Infor IMS Internal Server Error"
              }
            }
          }
        }
      }
    }
  }
}

```



# Infor Messaging Service as 3<sup>rd</sup> party implementation

The screenshot displays the Infor ION API configuration interface, split into two panels. The left panel shows the 'Available APIs' configuration for a suite named 'zJMHOME'. The right panel shows the configuration for a specific endpoint named 'ep'.

**Left Panel: Available APIs / zJMHOME**

- Suite Name \***: zJMHOME
- API Context \***: test
- Description \***: zJMHOME
- Suite Icon \***: A purple icon with a white person silhouette. Buttons: 'Choose Icon', 'Upload'.

**Right Panel: Available APIs / zJMHOME / ep**

- Target Endpoint URL \***: https://82.221.108.102:1234/api
- Ignore Certificate Errors**:  (Warning: Enabling this flag is not recommended as your users will not be able to confirm that the connection is secure.)
- Enable Enterprise Connector**:
- Enterprise Connector Location**: James
- Target Endpoint Description**: [Empty field]
- Proxy Context \***: ep
- Public Facing Proxy Endpoint**: https://mingle-ionapi.inforcloudsuite.com/SLSGDENA011\_TRN/CustomerApi/test/ep
- Proxy Security**: OAuth 2.0
- Target Endpoint Security**:
  - Use Mutual SSL
  - Authentication Type**: Basic
  - User ID \***: MyUser
  - Password \***: [Masked]

**Table: Endpoints**

Proxy Endpoint	Description	Status
https://mingle-ionapi.inforcloudsuite.com/SLSGDENA011_TRN/CustomerApi/test/ep		✓

# Infor Messaging Service as 3<sup>rd</sup> party implementation

Resources Documentation Endpoint Policies

IMS 3.0.202009  
[ Base URL: /SLSGDENA011\_TRN/CustomApi/test/ep ]

## IMS Messaging Service

- GET** /ping PING :: Ping Service interface, checks whether the server is available or not.
- GET** /protocol PROTOCOL :: Gets IMS API supported version and protocol parameters

## IMS Messaging Service v2

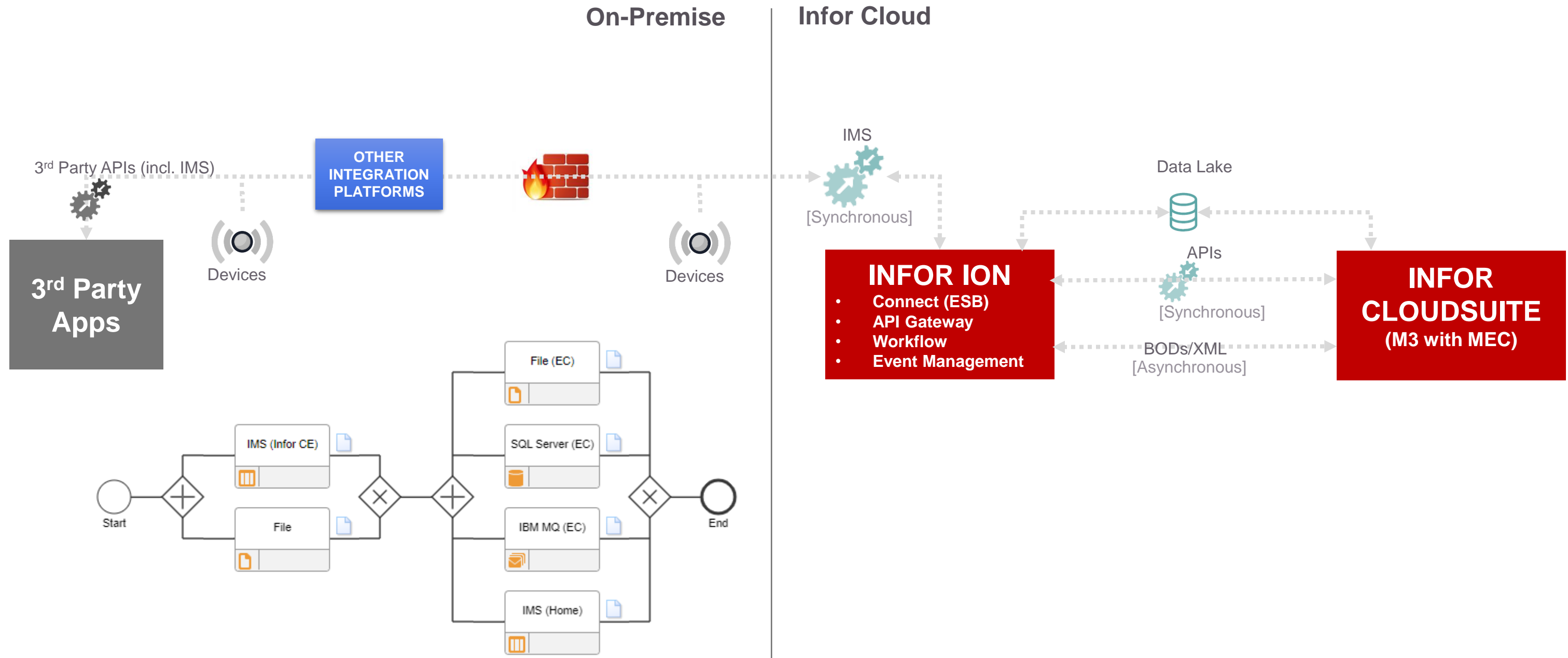
- POST** /v2/multipartMessage MULTIPARTMESSAGE :: Publish message to ION via IMS
- POST** /v2/message MESSAGE\_V2 :: Publish message to ION via IMS
- POST** /v2/test TEST :: Test tenant and logicalIds registered or not.

## IMS Messaging Service v3

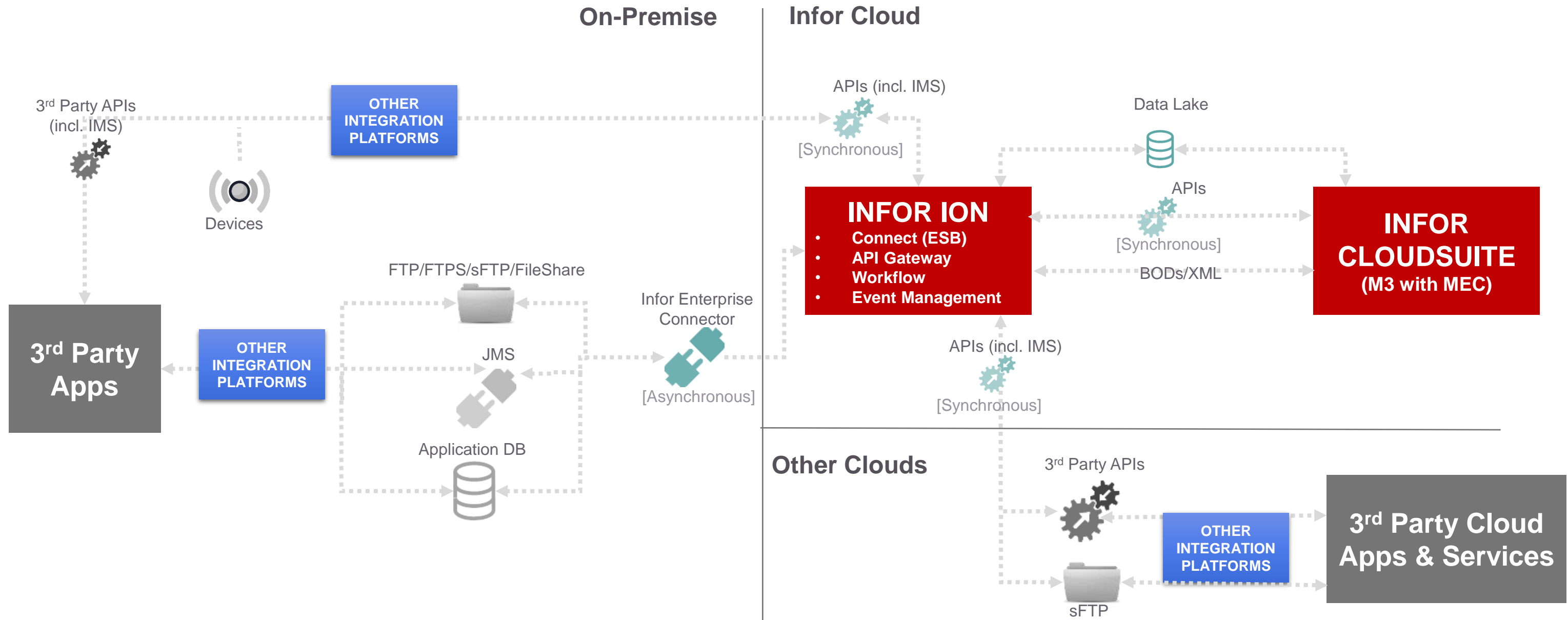
- POST** /v3/discovery TEST :: Test tenant and logicalIds registered or not.
- GET** /v3/{logicalId}/acceptedDocuments ACCEPTEDDOCUMENTS :: List out all accepted documents for a given tenant and logical id
- POST** /v3/multipartMessage MULTIPARTMESSAGE\_V3 :: Publish message to ION via IMS

```
RestletResource.java X
81
82 @POST
83 @Produces("application/json")
84 @Path("/v3/multipartMessage")
85 @Consumes("multipart/form-data")
86 public Response multipartMessage(Representation input) {
87     RestletFileUpload fileUpload = new RestletFileUpload(new DiskFileItemFactory());
88
89     boolean paramFileOK = false;
90     boolean payloadOK = false;
91     List<FileItem> fileItems = null;
92     JSONClasses.ParameterFile pf = null;
93
94     try {
95         fileItems = fileUpload.parseRepresentation(input);
96     } catch (FileUploadException e) {
97         e.printStackTrace();
98         return Response.status(Response.Status.BAD_REQUEST).entity(e.getMessage()).build();
99     }
100
101     for (FileItem fileItem : fileItems) {
102         if (fileItem.getFieldName().equals("ParameterRequest")) {
103             try {
104                 pf = getMultipartMessageParams(fileItem);
105                 paramFileOK = pf != null && pf.getDocumentName() != null && pf.getDocumentName().length() > 0;
106             } catch (IOException e) {
107                 e.printStackTrace();
108                 return Response.status(Response.Status.BAD_REQUEST).entity(e.getMessage()).build();
109             }
110         }
111     }
112
113     if (!paramFileOK)
114         return Response.status(Response.Status.BAD_REQUEST).entity("No file for: ParameterRequest").build();
115
116     for (FileItem fileItem : fileItems) {
117         String fieldName = fileItem.getFieldName();
118         if (fieldName.equals("MessagePayload")) {
119             try {
120                 saveMultipartMessage(fileItem, pf);
121                 payloadOK = true;
122             } catch (IOException e) {
123                 e.printStackTrace();
124                 return Response.status(Response.Status.BAD_REQUEST).entity(e.getMessage()).build();
125             }
126         }
127     }
128
129     if (!payloadOK) {
130         return Response.status(Response.Status.BAD_REQUEST).entity("No file for: MessagePayload").build();
131     }
132 }
```

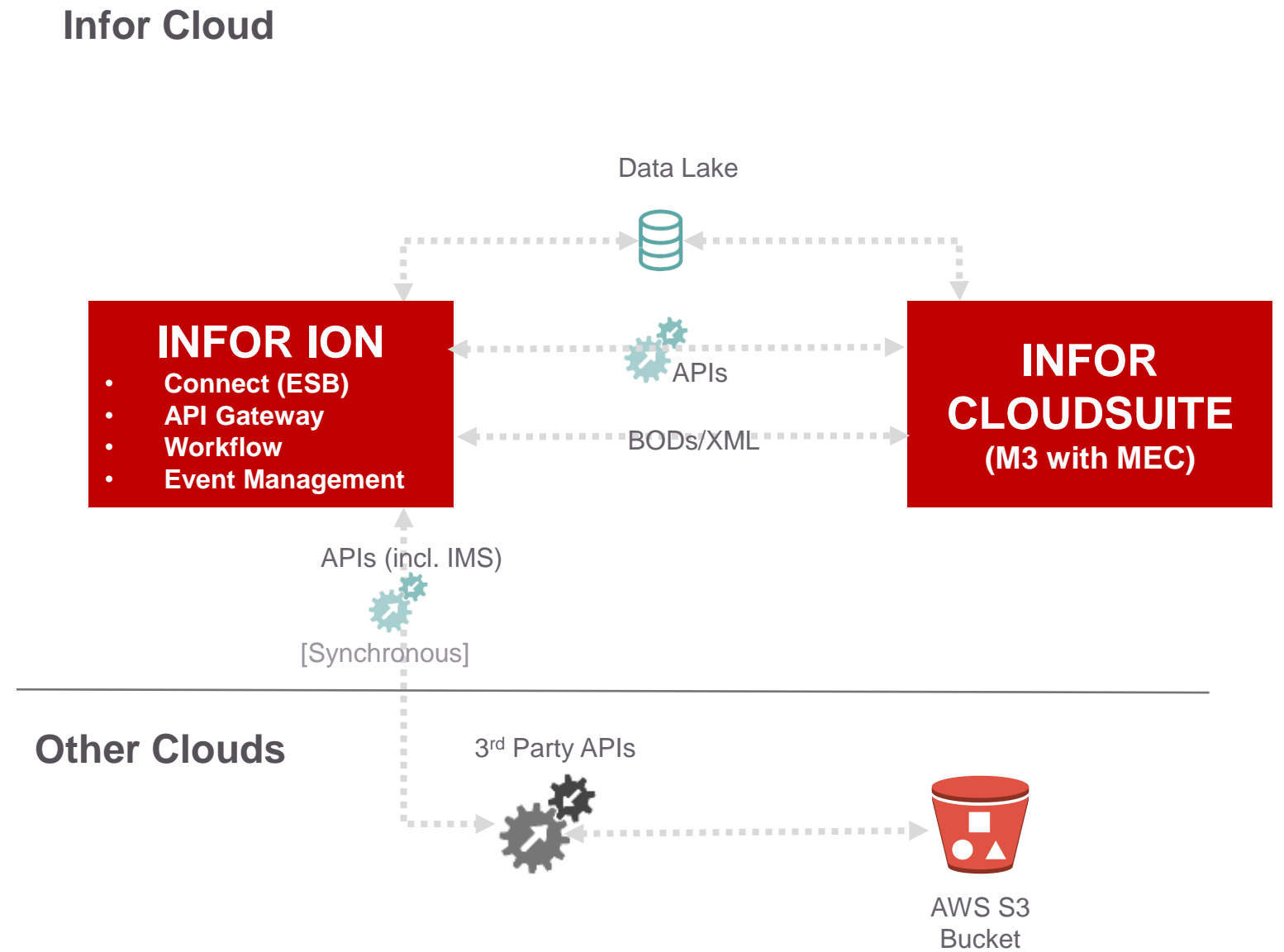
# Infor Messaging Service as 3<sup>rd</sup> party implementation



# Hybrid & multi-cloud connectors



# Infor CE connectivity to AWS S3





# Infor CE connectivity to AWS S3

The screenshot shows the Infor ION API configuration interface. The main header includes the Infor logo and 'Infor ION API'. A left sidebar contains navigation options: Available APIs, Authorized Apps, Configuration, API Metadata, Monitoring, and Authorizations. The main content area is titled 'Available APIs / zJMAWSS3' and contains configuration fields for Suite Name (zJMAWSS3), API Context (awss3), Description (zJMAWSS3), and Suite Icon (with 'Choose Icon' and 'Upload' buttons). Below these fields are tabs for 'Endpoints' and 'Suite Policies'. The 'Endpoints' tab is active, showing a table with one endpoint.

Proxy Endpoint	Description	Status	Indexing Status	Documentation	Details
<input type="checkbox"/> [R] <input type="text" value="https://mingle-ionapi.inforcloudsuite.com/SLSGDENA011_TRN/CustomApi/awss3/s3"/>	<input type="text" value=""/>	<span style="color: green;">✔</span>			<a href="#">→</a>

# Infor CE connectivity to AWS S3

**Infor IONAPI**

Available APIs / zJMAWSS3 / s3

Target Endpoint URL \*

https://gdsdemo.s3.eu-central-1.amazonaws.

Target Endpoint Security

Use Mutual SSL

Authentication Type

AWS Signature

AWS Access Key ID \*

s

AWS Secret Access Key \*

.....

AWS Region \*

eu-central-1

AWS Service \*

s3

Ignore Certificate Errors

Enable Enterprise Connector

Enterprise Connector Location

James

Target Endpoint Description

Proxy Context \*

s3

Public Facing Proxy Endpoint

https://mingle-ionapi.inforcloudsuite.com/SLSGDENA011\_TRN/CustomerApi/awss3/s3

Proxy Security

OAuth 2.0

Resources Documentation Endpoint Policies

S3 <sup>1</sup>

[ Base URL: /SLSGDENA011\_TRN/CustomerApi/awss3/s3 ]

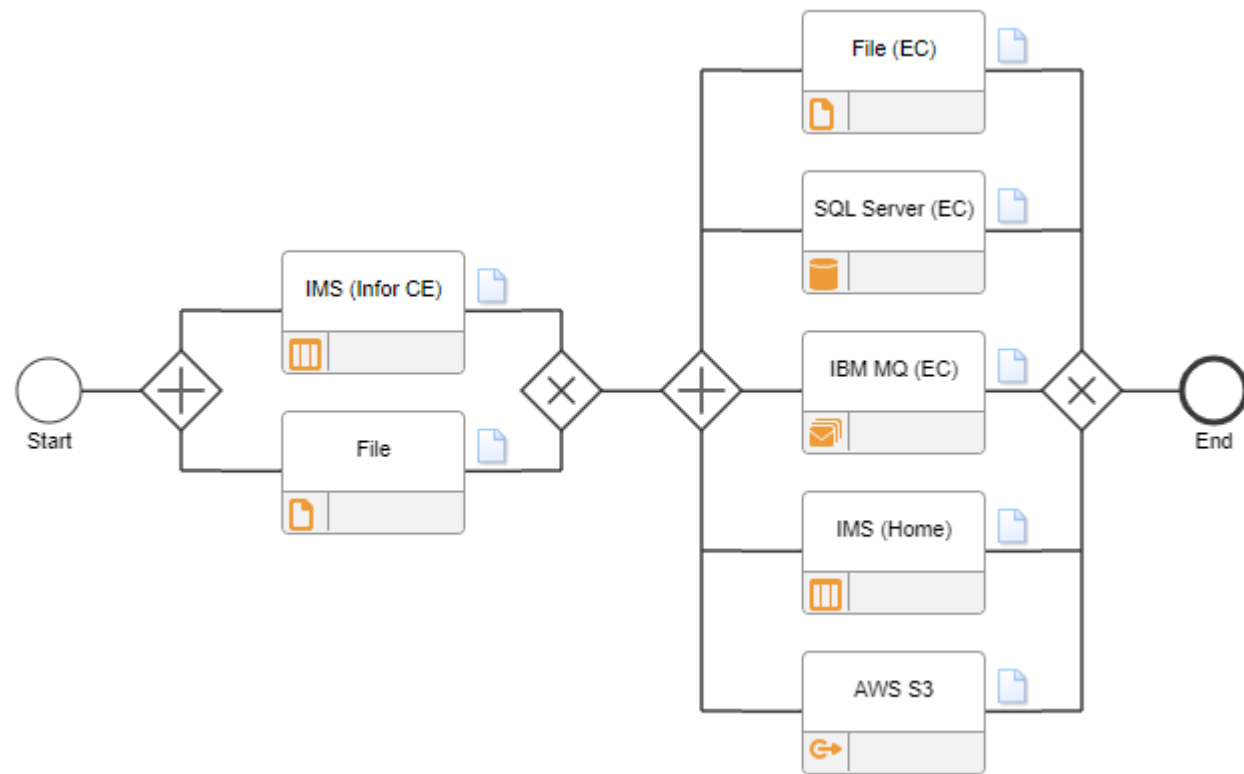
AWS S3

PUT /{filename} AWS S3

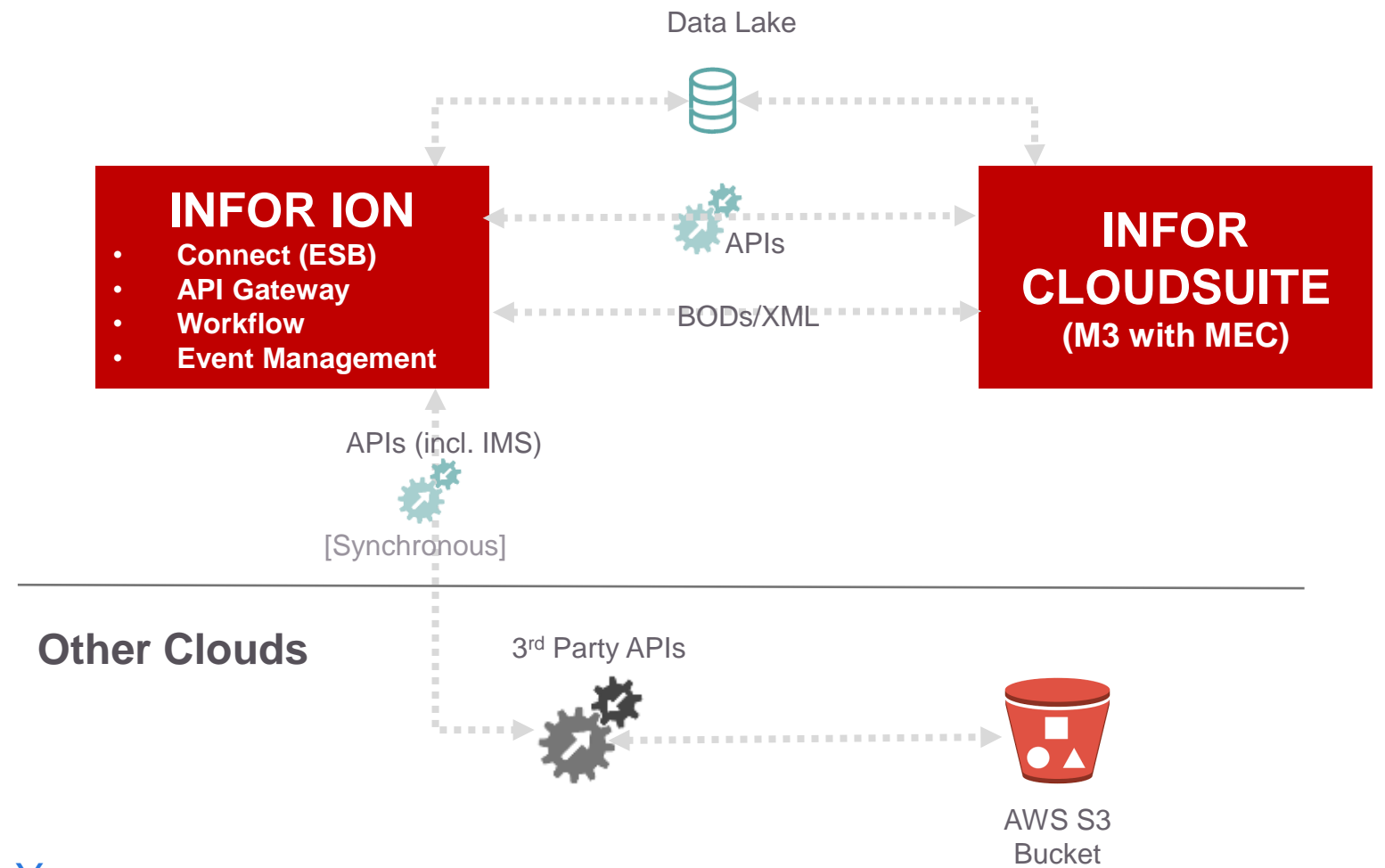
Parameters

Name	Description
<b>filename</b> * required string (path)	The filename as path parameter to check the accepted documents. filename - The filename as path parameter to check
<b>body</b> * required object (body)	The file Example Value   Model

# Infor CE connectivity to AWS S3

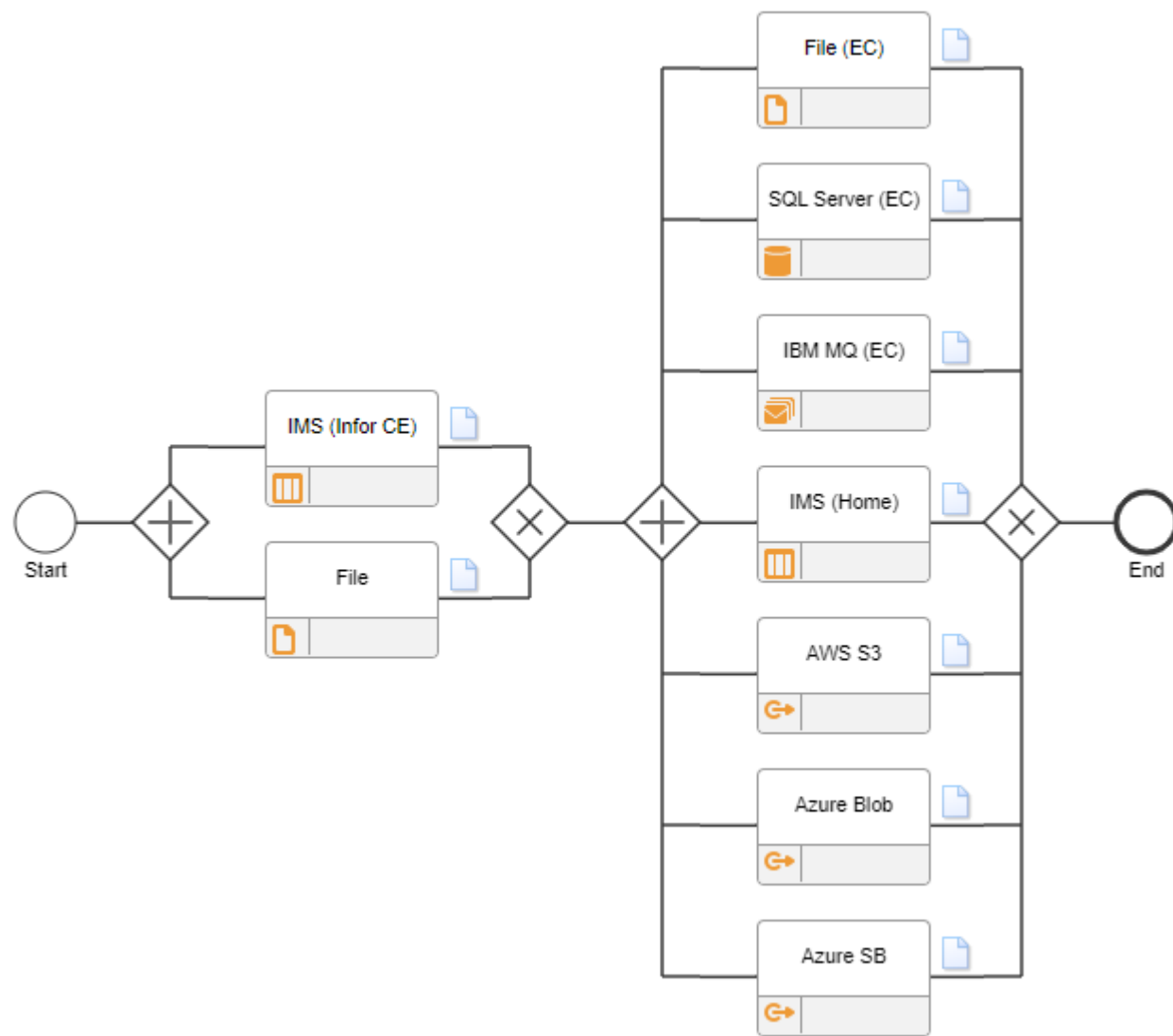


## Infor Cloud

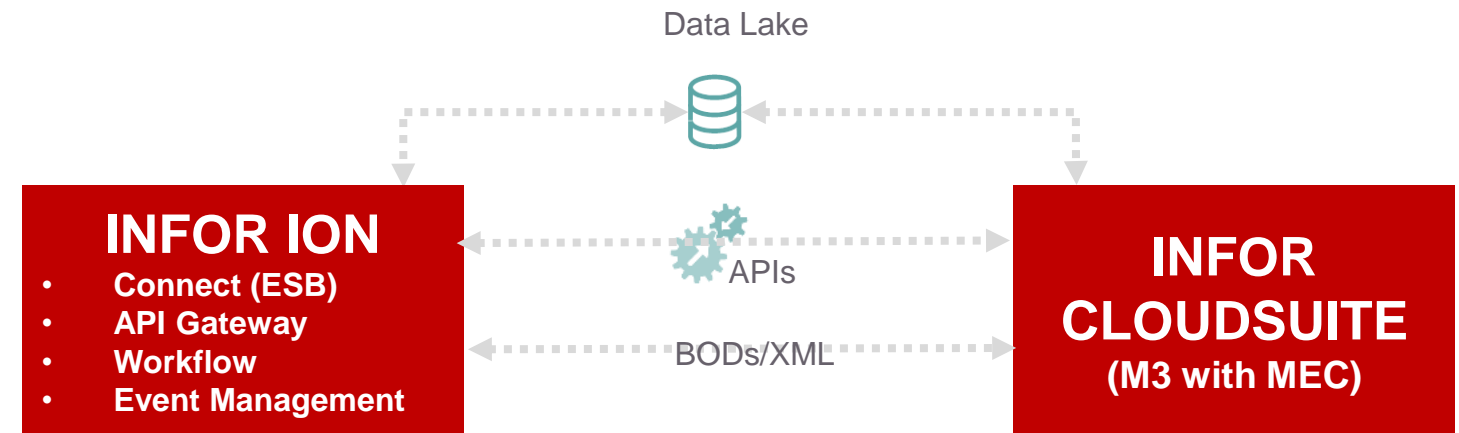


<https://www.youtube.com/watch?v=DT3iqndsYcY>

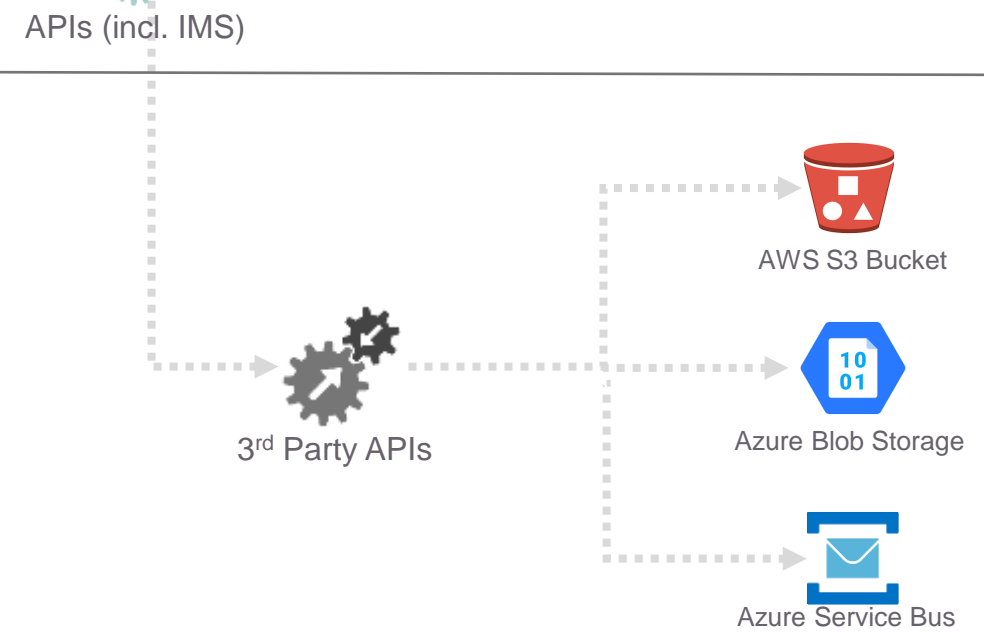
# Infor CE connectivity to common Cloud Services



## Infor Cloud



## Other Clouds



# Common questions around Infor CE connectivity

- What is the purpose for Enterprise Connector (EC)?
  - Is EC mandatory?
  - What about security and ports?
- What is Infor Messaging Service (IMS)?
  - Is IMS used in synchronous or asynchronous scenarios?
- How does Infor CE support an API-first strategy?
- Now that Infor uses ION, can we still use the Integration platform that we use today?
- Is it possible to connect to other cloud services such as AWS S3, Azure Blob Storage and Azure Service Bus?