

ODI vNext Changes from ODI 2015

This purpose of this document is to describe significant changes in the ODI system to expediate the testing of the release candidate. The significant changes are:

- SQL View Naming Convention
- Implementation of Enterprise Event System
- Change in format and information on ODISvcCred element to allow for support of SQL AG

Version Comparison

Consumers Old ODI	Consumers New ODI
Events published via Broadcast Event and Enterprise Event System.	Events published via Enterprise Event System only.
SQL view consumer contracts with "*"	NA
Connect to a different database for each institution/environment combination on an ODI instance.	Connect to the same database for each institution/environment combination on an ODI instance.
NA	Consume SQL views on a SQL AG (availability group) in a high availability environment.
Consumers data contracts	Consumer transforms
Consumer data plans	Consumer delivery methods
	New Value/Name Pairs in EES

SQL View Naming Conventions:

The SQL View naming convention has been updated to include the {ConsumerVendorName} value. The full name of the SQL View is provided in the EventDataInfo Value/Name Pair "OutputName".

{ConsumerVendorName}{ConsumerProductName}_{ProviderContractName}_{InstitutionrtId}_{Environment}

Example: *JHABillpay_Cust_Email_121212121_Prod*

Exceptions to the SQL View Naming Conventions:

- If the consumer vendor name starts with a number the view name will be prefaced with an underscore.
- Any special characters in the consumer vendor name or consumer product name will be replaced with an underscore.

EES Event Payload Examples

EES Event for ODI v2015 – SQL View

```
<EESEventInfo>
  <EventNum>50040</EventNum>
  <EventProd>ODI</EventProd>
  <EventTimeDt>2018-03-09T16:13:49.607</EventTimeDt>
  <InstId>{InstitutionrId}</InstId>
  <ProdEnv>{Environment}</ProdEnv>
  <SystemId>MMOIDGODIDEV01</SystemId>
  <EventUsrId>odi-iisapp-svc</EventUsrId>
  <EventWsId>MMOIDGODIDEV01</EventWsId>
  <BusCorrelId>4cfc6e5f-c82a-433e-90f4-a037b54f26c1</BusCorrelId>
  <EventDataInfoArray>
    <EventDataInfo>
      <Name>ConsmPlanId</Name>
      <Val>ProfitStarsPerformanceSuiteSL</Val>
    </EventDataInfo>
    <EventDataInfo>
      <Name>PlanName</Name>
      <Val>LOCDetail</Val>
    </EventDataInfo>
    <EventDataInfo>
      <Name>SvcTckt</Name>
      <Val>Undefined</Val>
    </EventDataInfo>
    <EventDataInfo>
      <Name>PlanLoc</Name>
      <Val>https://Odi-jxchangeGA-
development.dev.jha:443/ODI/2012/Request/Request.svc/ws2007FederationHttp</Val>
    </EventDataInfo>
  </EventDataInfoArray>
  <EventUniqueId>0327cf43-9a7a-4a60-a39e-b80070200b1e</EventUniqueId>
  <EESIdHistInfoArray>
    <EESIdHistInfo>
      <EESHistId/>
    </EESIdHistInfo>
  </EESIdHistInfoArray>
  <Custom/>
</EESEventInfo>
```

EES Event for ODI vNext – SQL View

```
<EESEventInfo>
  <EventNum>50040</EventNum>
  <EventProd>ODI</EventProd>
  <EventTimeDt>2018-03-14T17:10:47.89</EventTimeDt>
  <InstId>{InstitutionrId}</InstId>
  <ProdEnv>{Environment}</ProdEnv>
  <SystemId>GADEV</SystemId>
  <BusCorrelId>82a36f49-c956-412c-8b74-011942ea190c</BusCorrelId>
  <EventAppld>JHA - EEMS</EventAppld>
  <EventDataInfoArray>
    <EventDataInfo>
      <Name>ValidConsumerName</Name>
      <Val>{ConsumerVendorName}</Val>
    </EventDataInfo>
  </EventDataInfoArray>
```

```

    <EventDataInfo>
      <Name>ValidConsumerProd</Name>
      <Val>{ConsumerProductName}</Val>
    </EventDataInfo>
    <EventDataInfo>
      <Name>InstRtId</Name>
      <Val>{InstitutionRtId}</Val>
    </EventDataInfo>
    <EventDataInfo>
      <Name>InstEnv</Name>
      <Val>{Environment}</Val>
    </EventDataInfo>
    <EventDataInfo>
      <Name>ContractName</Name>
      <Val>DepAcct</Val>
    </EventDataInfo>
    <EventDataInfo>
      <Name>OutputName</Name>
    </EventDataInfo>
  <Val>{ConsumerVendorName}{ConsumerProductName}_{ProviderContractName}_{InstitutionRtId}_{Environment}</Val>
  </EventDataInfo>
  <EventDataInfo>
    <Name>ExtractDateTime</Name>
    <Val>3/14/2018 5:10:47 PM</Val>
  </EventDataInfo>
  <EventDataInfo>
    <Name>ConsumerName</Name>
    <Val>eems</Val>
  </EventDataInfo>
  <EventDataInfo>
    <Name>TransformName</Name>
    <Val>DepAcct</Val>
  </EventDataInfo>
  <EventDataInfo>
    <Name>ActivityId</Name>
    <Val>2a4fcd53-823c-404e-a5df-2a50ede54258</Val>
  </EventDataInfo>
</EventDataInfoArray>
<EventUniqueId>3a7f68e3-4a81-4ea8-adb7-a3006d29ee17</EventUniqueId>
<EESIdHistInfoArray>
  <EESIdHistInfo>
    <EESHistId>123456789-PROD-jxchange-jxchangeGA-development.dev.jha</EESHistId>
  </EESIdHistInfo>
</EESIdHistInfoArray>
<Custom/>
</EESEventInfo>

```

EES Event for ODI vNext – OFI

```

<EESEventInfo>
  <EventNum>50040</EventNum>
  <EventProd>ODI</EventProd>
  <EventTimeDt>2018-03-15T18:14:08.99</EventTimeDt>
  <InstId>{InstitutionRtId}</InstId>
  <ProdEnv>{Environment}</ProdEnv>
  <SystemId>GADEV</SystemId>
  <BusCorrelId>bd3aeb9a-6f34-4bd2-a606-2146d161c355</BusCorrelId>
  <EventAppld>JHA - Silverlake</EventAppld>
  <EventDataInfoArray>
    <EventDataInfo>

```

```

        <Name>ValidPrvdName</Name>
        <Val>{ConsumerVendorName}</Val>
    </EventDataInfo>
    <EventDataInfo>
        <Name>ValidPrvdProd</Name>
        <Val>{ConsumerProductName}</Val>
    </EventDataInfo>
    <EventDataInfo>
        <Name>InstRtId</Name>
        <Val>{InstitutionRtId}</Val>
    </EventDataInfo>
    <EventDataInfo>
        <Name>InstEnv</Name>
        <Val>{Environment}</Val>
    </EventDataInfo>
    <EventDataInfo>
        <Name>PayloadType</Name>
        <Val>EntityMatchBatchStatInq</Val>
    </EventDataInfo>
    <EventDataInfo>
        <Name>OfiFileName</Name>
        <Val>{ConsumerVendorName}{ConsumerProductName}_{ProviderContractName}_{InstitutionRtId}_{Environment}.zip</Val>
    </EventDataInfo>
    <EventDataInfo>
        <Name>FileType</Name>
        <Val>OFI</Val>
    </EventDataInfo>
    <EventDataInfo>
        <Name>Consumer</Name>
        <Val>slake</Val>
    </EventDataInfo>
    <EventDataInfo>
        <Name>ConsumerMessage</Name>
        <Val>OFI file is ready: 022309352_EntityMatchBatchStatInq_20180315T131012Z_PROD.zip</Val>
    </EventDataInfo>
    <EventDataInfo>
        <Name>SvcTckt</Name>
        <Val>065ba694-ae6e-4912-9d20-397f4e82cade</Val>
    </EventDataInfo>
</EventDataInfoArray>
<EventUniqueId>0f09c3ea-85c8-4efb-9ca6-8323287ddb6</EventUniqueId>
<EESIdHistInfoArray>
    <EESIdHistInfo>
        <EESHistId>123456789-PROD-jXchange-jxchangeGA-development.dev.jha</EESHistId>
    </EESIdHistInfo>
</EESIdHistInfoArray>
<Custom/>
</EESEventInfo>

```

ODISvcCred Response Changes

There is a change regarding the *ODISvcCred* message response that will be implemented with the new rewrite of ODI vNext. The message contract has not changed but information previously found in the response may no longer be provided. The **<ServerIPAddr>** and **<SQLInstcName>** elements may no longer contain IP addresses or SQL instance names. The primary reason for the change is due to the use of SQL Availability Groups, which will provide High Availability services for the ODI data.

Below are examples of the current and new responses for *ODISvcCred* to help you determine if code or configuration changes are needed in your respective products.

ODI 2015

```
<ServerName>CLDJXDODIA01P,1435</ServerName>  
<ServerIPAddr>10.240.121.138</ServerIPAddr>  
<SQLInstcName>ODI</SQLInstcName>  
<RsStat>Success</RsStat>
```

ODI vNext

```
<ServerName>OdiProdSqlAgLis.odi.edn,54278</ServerName>  
<ServerIPAddr></ServerIPAddr>  
<SQLInstcName></SQLInstcName>  
<RsStat>Success</RsStat>
```

Load Sequence (LoadSeq) Changes

The Sequence values formatting has changed. Sequence or LoadSeq is a number which represents the order in which the provider sent the extract. In ODI 2015 the format of the number was captured as YYYYMMDD.mmmm showing the year (YYYY), month (MM), day (DD), and minutes past midnight (mmmm). In ODI vNext the format has been changed to **YYYYMMDD.sssss**. The value of minutes past midnight (mmmm) has been changed to seconds past midnight (sssss). The data is presented as nvarchar type.

ODI 2015

```
20111230.0618
```

ODI vNext

```
20111230.37080
```

SQL Connection string with SQL AG

If SQL Availability Groups (AG) are in use for a given ODI instance, then consumers who retrieve data using SQL Views that are also SQL AG enabled in ODI, the inclusion of **MultiSubnetFailover=Yes** is required in the connection string. If a failover occurs, this switch will allow the renegotiation of the connection to the new primary SQL server.

Conversely, **MultiSubnetFailover=Yes** must NOT be included in a connection string if SQL AG is not present or when the consumer is not AG enabled. Otherwise the connection attempt will fail.