

## Oracle Integration (OIC) Observability

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## OIC Management & Monitoring



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- 2. OCI Service Metrics for OIC
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- 5. OIC Factory APIs



# Observability in Oracle Integration

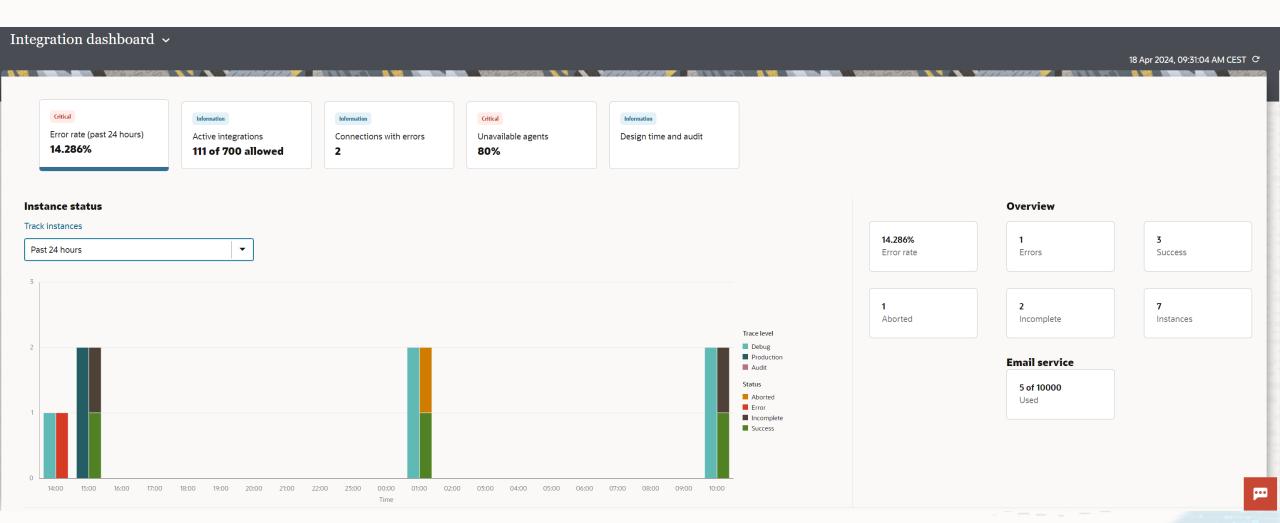


### OIC Observability

- OIC Top Level Dashboard
- View flows based on integration, errors etc.
- Activity Stream
- Observability of Fusion Business Events
- Design-time Dependency Analysis

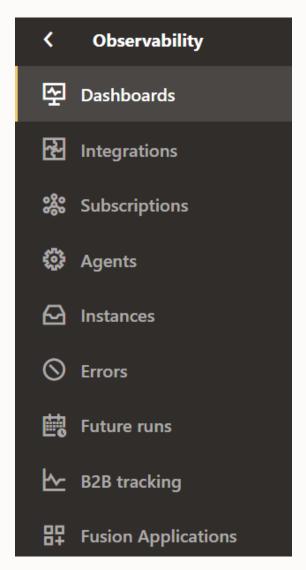


## OIC Observability - Dashboard





## OIC Observability - Menu



High level dashboards for Integration & B2B

Integration centric view of flow instances

OIC Event Subscriptions – Subscribers, Events and Status

Connectivity Agent Overview

View of individual of flow instances

Errors – focus on Errors, ability to sort by Integration

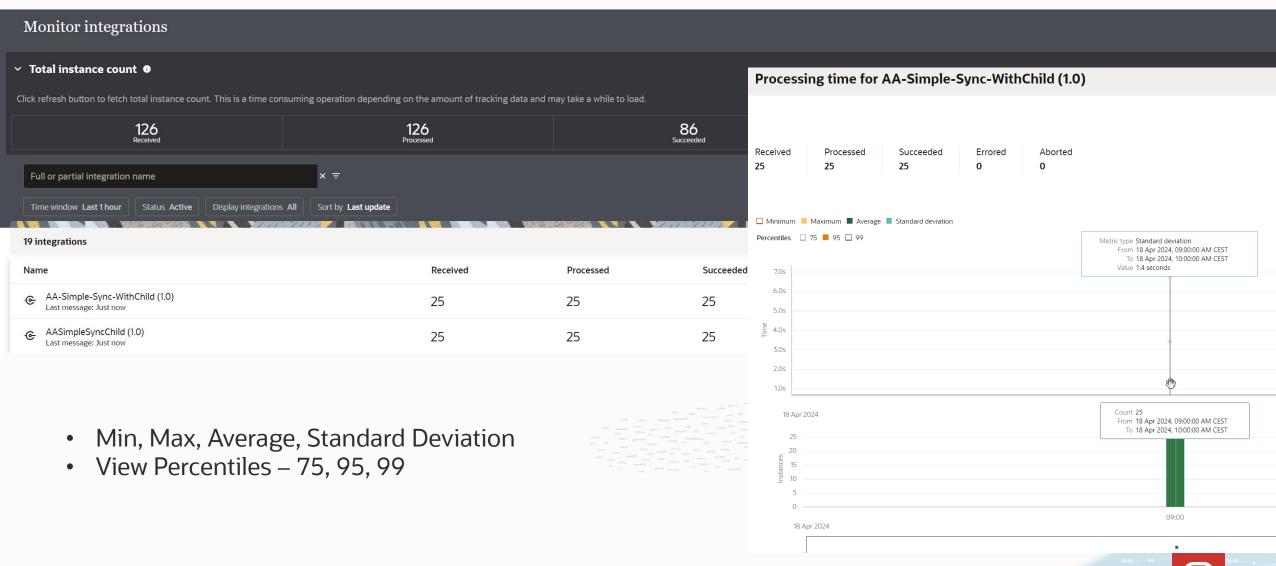
Calendar of Scheduled Jobs

Observability of B2B flows

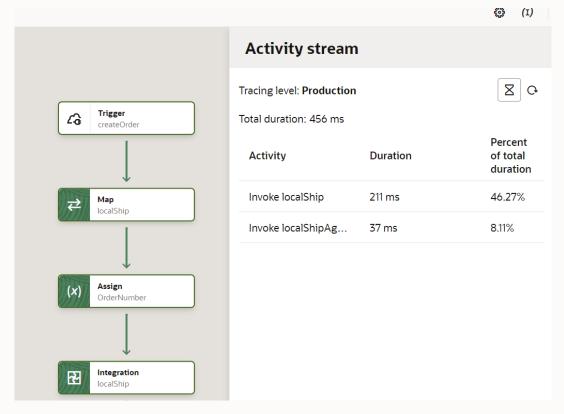
Fusion Apps view of Business Events triggering OIC flows



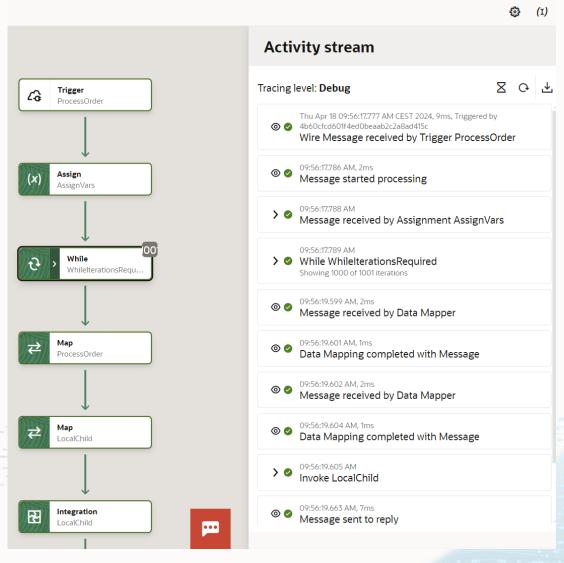
## OIC Observability – Integration Tracking



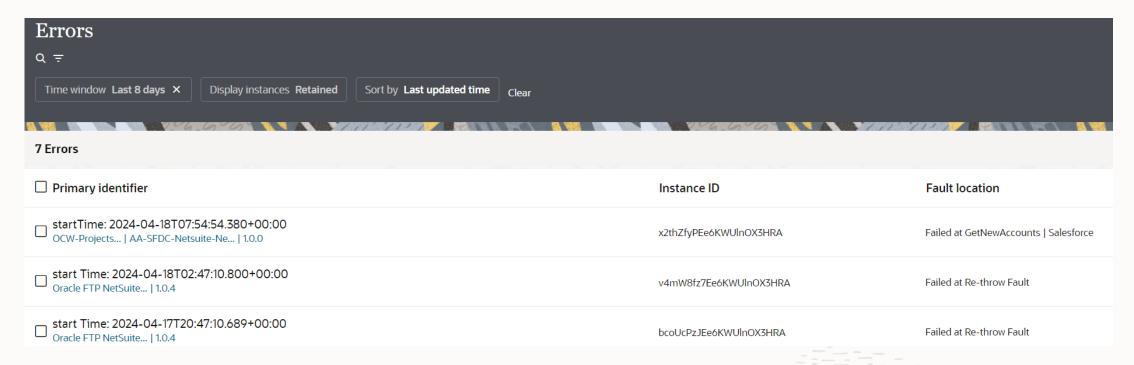
## OIC Observability – Integration Tracking: Activity Stream



- Design time at Runtime representation of the flow
- Ability to sort activities by time consumed
  - Help identify bottlenecks



## OIC Observability – Error Tracking

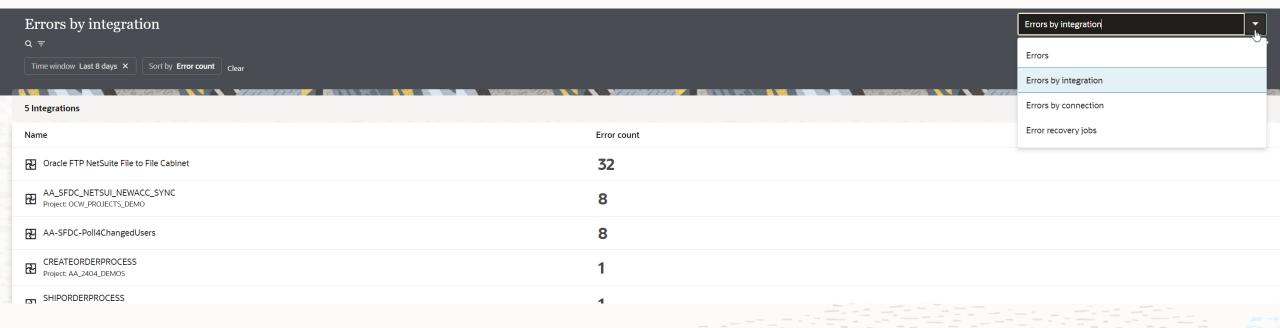


#### Ability to sort by -

- Integration
- Connection
- Recovery Jobs

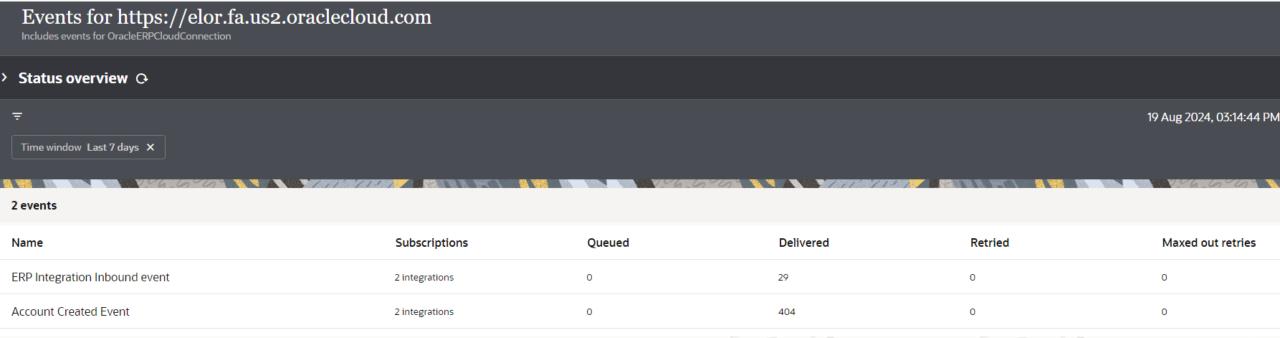


## OIC Observability – Error Tracking





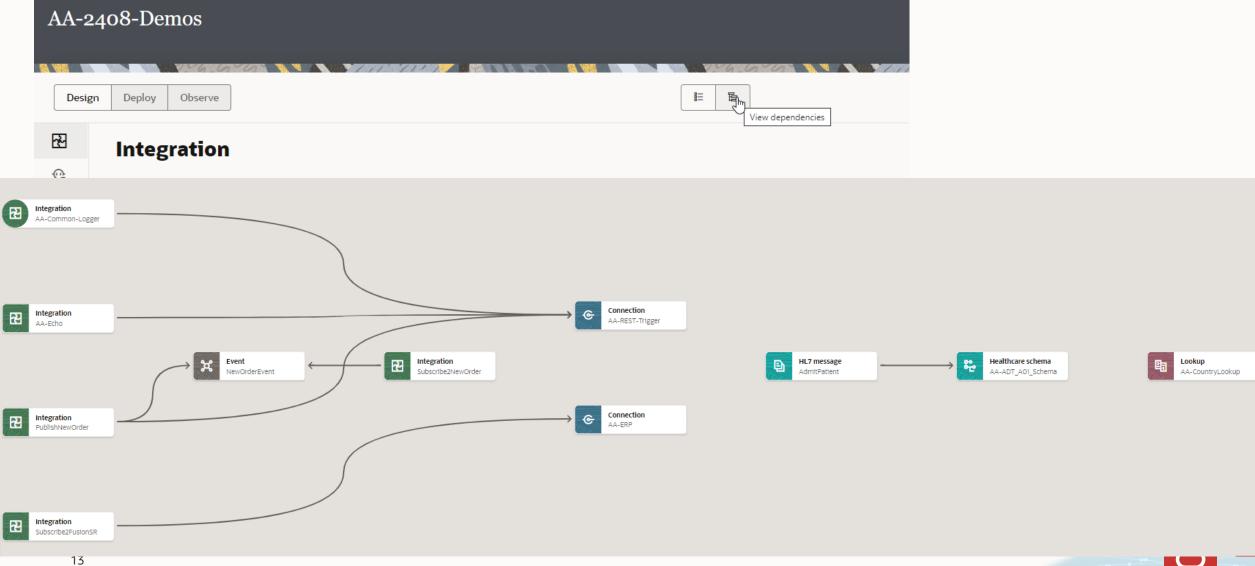
## OIC Observability – Fusion Applications



- Monitor Fusion Events that trigger OIC integrations
- Maxed out retires can be resubmitted from this screen.

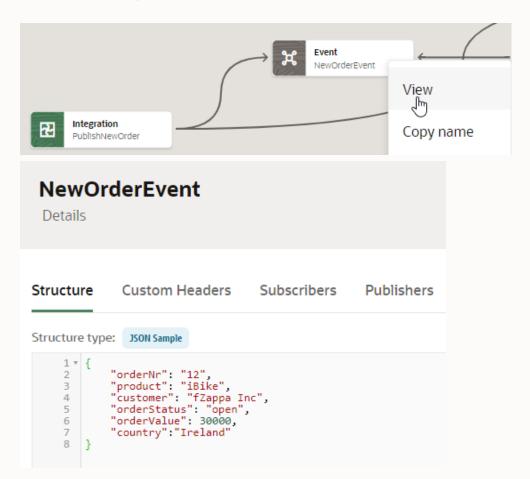


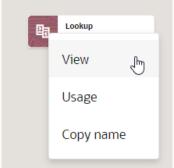
## OIC Observability – Design Time Dependencies

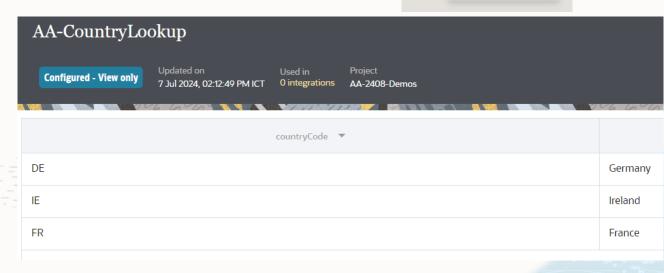


### OIC Observability – Design Time Dependencies

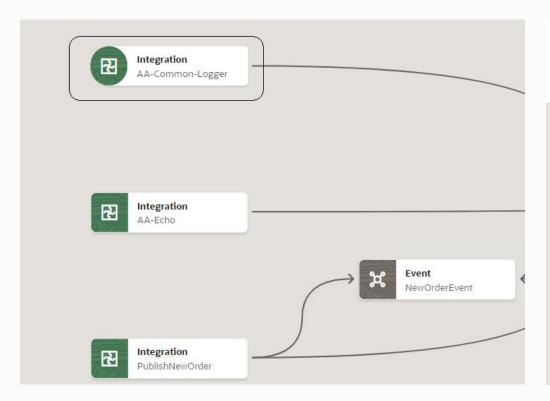
Ability to drill into OIC Events & Lookups

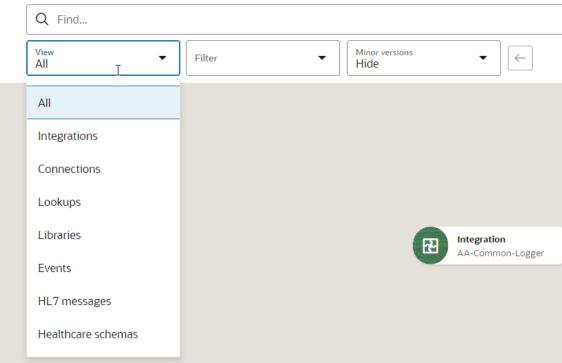






### OIC Observability – Design Time Dependencies



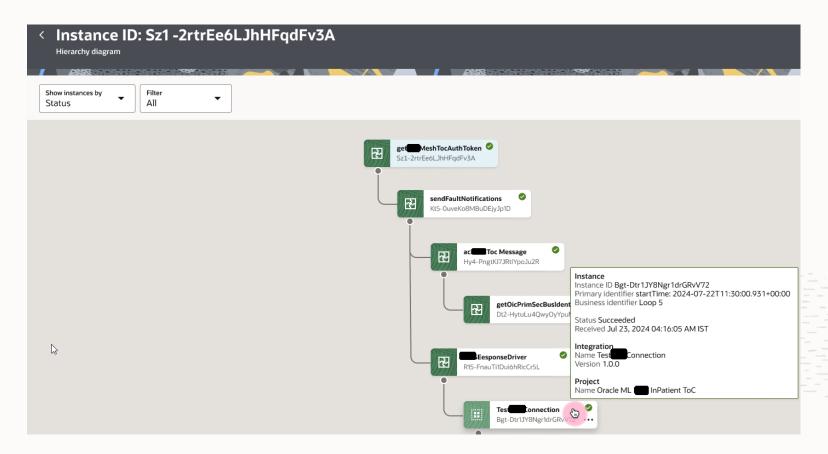


- Round icon indicates a shared integration
- Ability to filter on artifact type
- Ability to show/hide minor integration versions



### OIC Observability – Runtime Dependencies

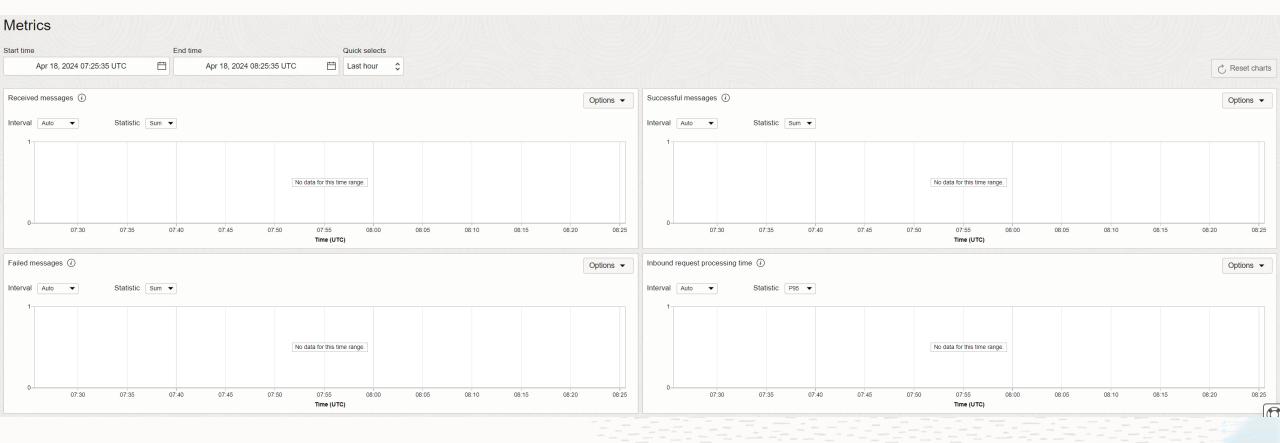
- Planned for 24.12 Release
- Hierarchical representation of the business process execution over multiple integration flows

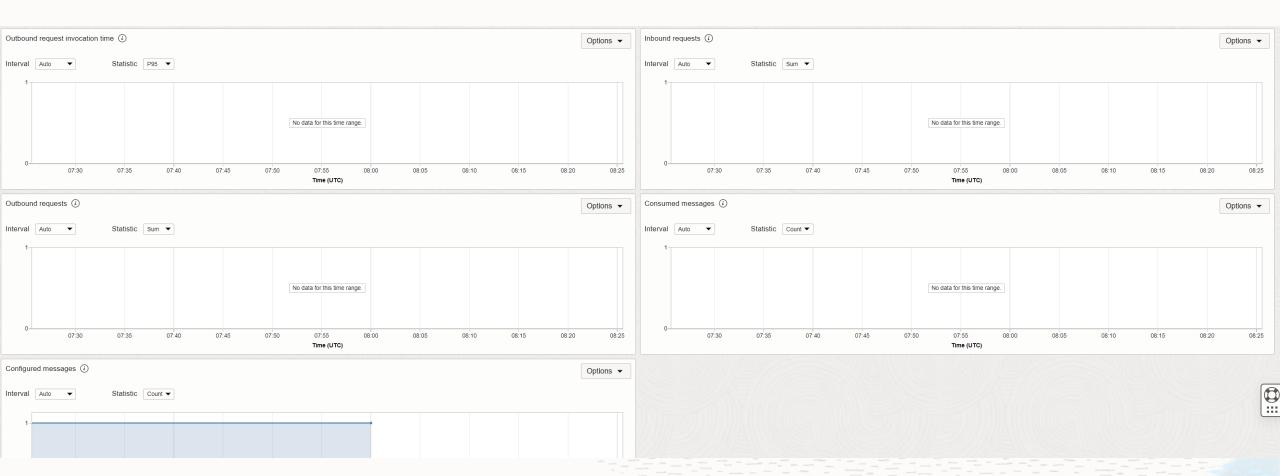




## OCI Service Metrics for Oracle Integration







Consumed Messages & Configured Messages – the basis for Billing

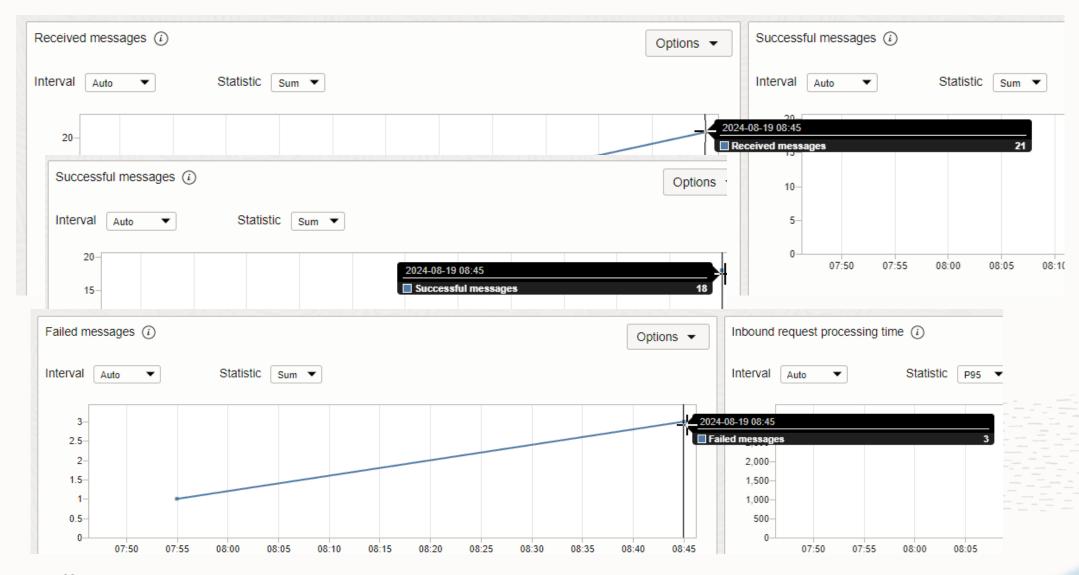


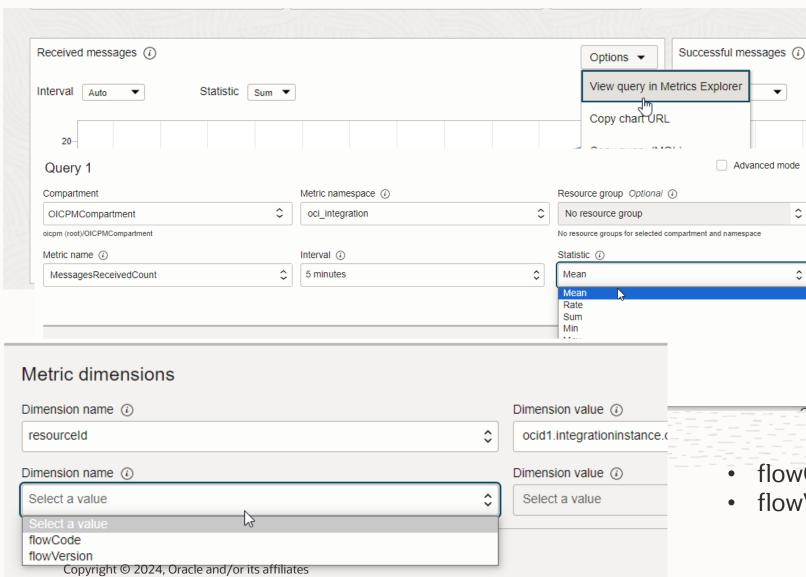
- Received Messages
   Message requests that the instance received
- Successful Messages
   Message requests that completed successfully
- Failed Messages
   Message requests that did not complete successfully for the instance
- Inbound Request Processing Time For sync requests - total time for processing a request and sending the response. For async requests, time taken to persist the request and send the ack (http 202).
- Outbound Request Invocation Time
   Time spent (msecs) by the adapter during invocation of the target endpoint
- Inbound Requests
   Number of requests received by Oracle Integration using any adapter-specific trigger connection.



- Outbound Requests
   Number of adapter outbound requests for the instance
- Consumed messages
   Number of billable messages the instance has used
- Configured messages
   Number of Message Packs assigned to the instance

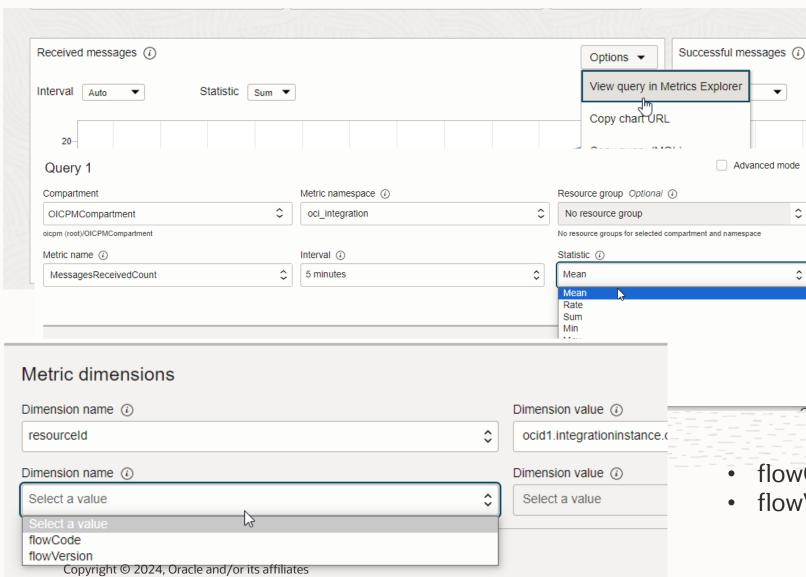






- flowCode = Integration Name
- flowVersion = Integration Version





- flowCode = Integration Name
- flowVersion = Integration Version



Dimension value (i)

Dimension value (i)

Select a value

ocid1.integrationinstance.oc

AA SHIP ORDER, 01.00.0000, ocid1.integrationinstance.oc1.phx.ama...mbhdtq

AA\_APPROVE\_ORDER, 01.00.0000, ocid1.integrationinstance.oc1.phx.ama...mbhdtq

AA\_PROCESS\_ORDER, 01.00.0000, ocid1.integrationinstance.oc1.phx.ama...mbhdtq

Time Stamp

Time Stamp

Time

Mon.

AA\_S

Time

Mon, a

Mon, Aug 19, 2024, 08:45:00 UTC

Mon, Aug 19, 2024, 08:45:00 UTC

Metric dimensions

Aggregate metric streams (i)

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Dimension name (i)

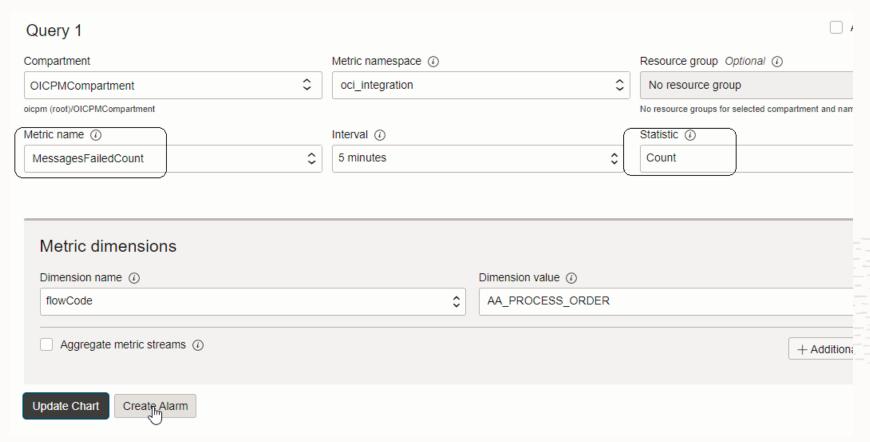
Dimension name (i)

resourceld

flowCode

		Show Graph
	Value	
	5	
	Value	
	8	
	Value	
	8	
	Value	
	1	
Leaving flowC Aggregate on		

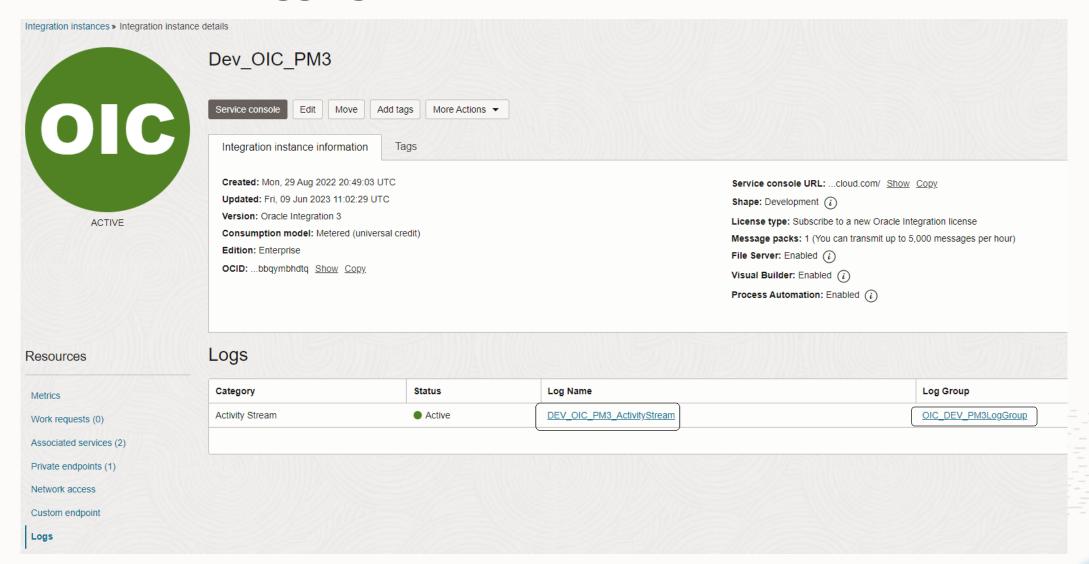
• Ability to create Alarms – e.g. on failure to process an order



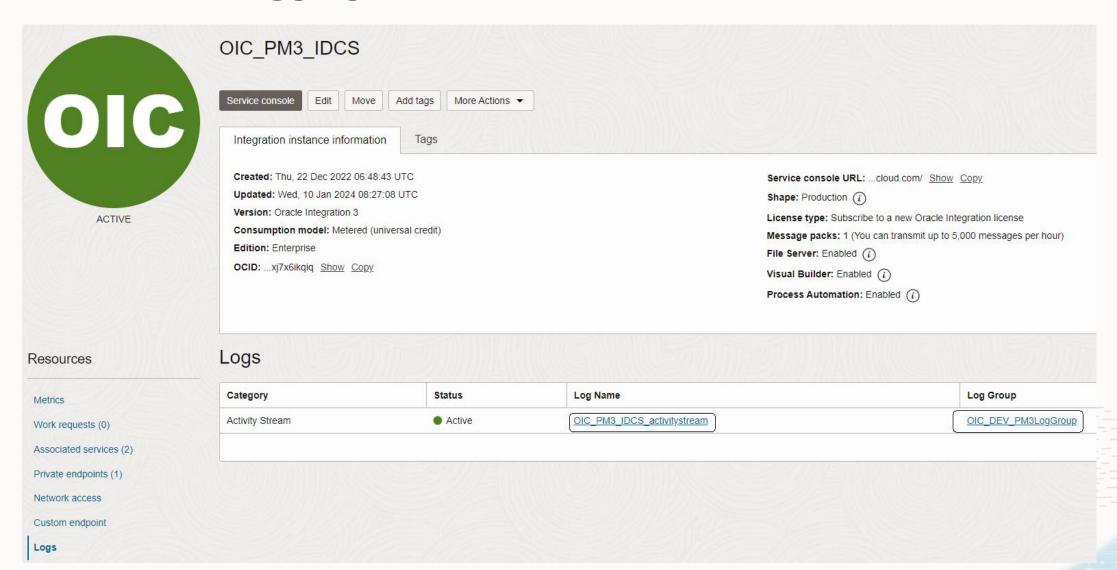
## OCI Logging for Oracle Integration



## Enable OCI Logging for OIC



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## Enable OCI Logging for OIC

As you have seen, multiple OIC instances can push their activity stream logs to the same OCI Logging Log Group

• This is the basis for easy fleet management in OCI Logging Analytics

#### Logs

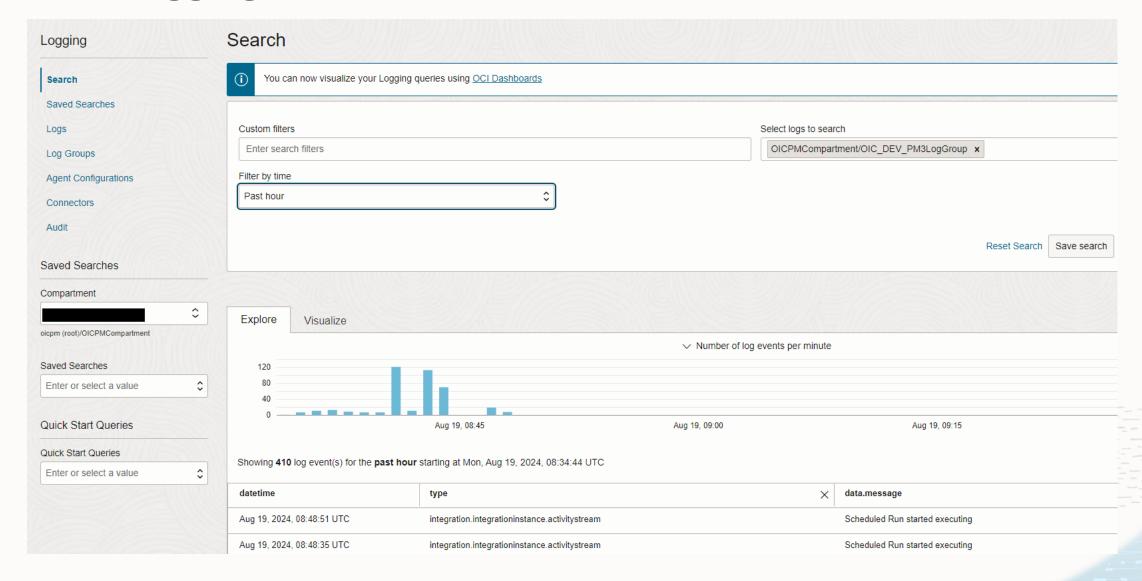
Category	Status	Log Name	Log Group
Activity Stream	<ul><li>Active</li></ul>	DEV_OIC_PM3_ActivityStream	OIC_DEV_PM3LogGroup

#### Logs

Category	Status	Log Name	Log Group
Activity Stream	<ul><li>Active</li></ul>	OIC_PM3_IDCS_activitystream	OIC_DEV_PM3LogGroup

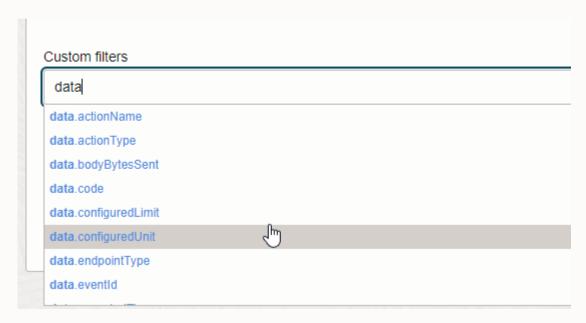


## OCI Logging for OIC





## OCI Logging for OIC - filters

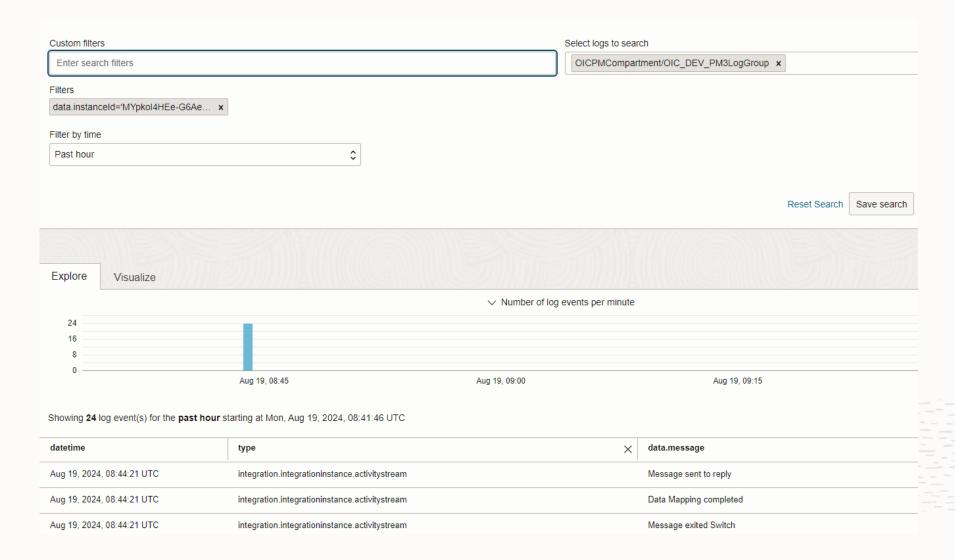


#### Interesting filters for OIC include -

- data.actionName
- data.actionType
- data.endpointType
- data.instanceld
- data.integrationFlowIdentifier
- data.instanceCompletionState
- data.projectCode

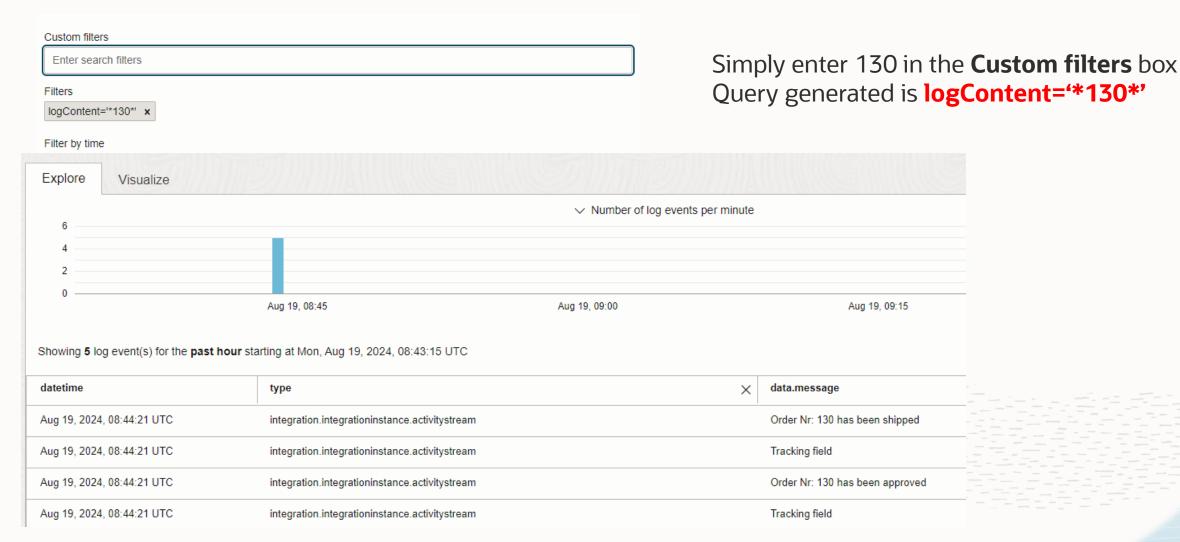


## OCI Logging for OIC - filters



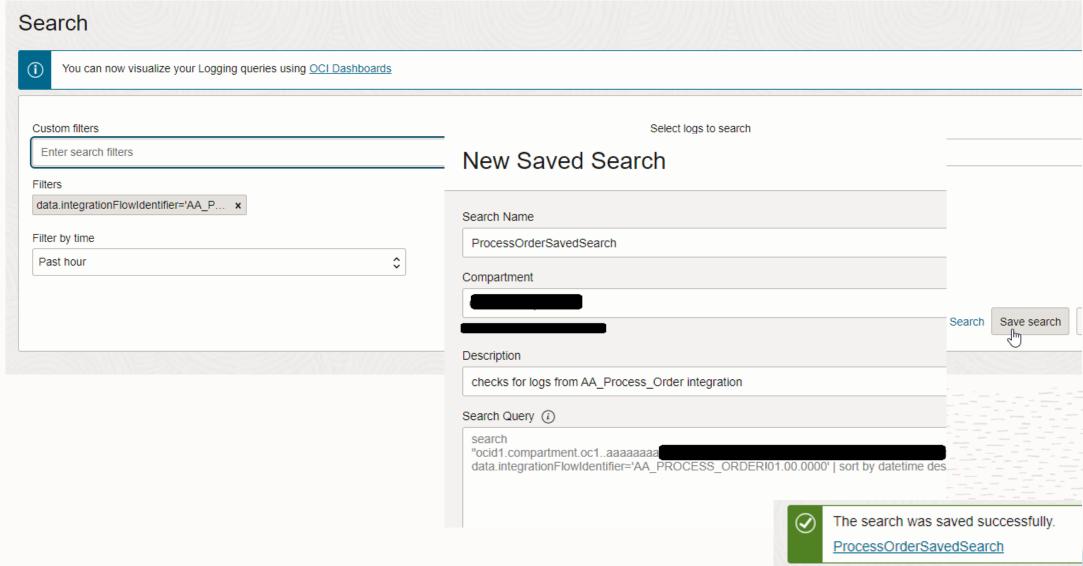


## OCI Logging for OIC – checking for orderNr 130





## OCI Logging for OIC – Saved Searches

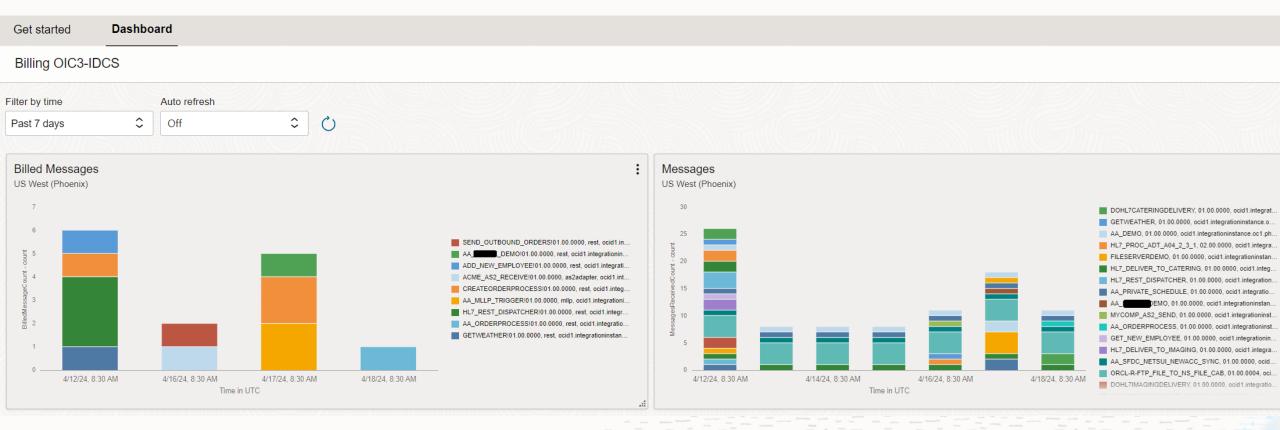




## OCI Logging & Dashboards for OIC



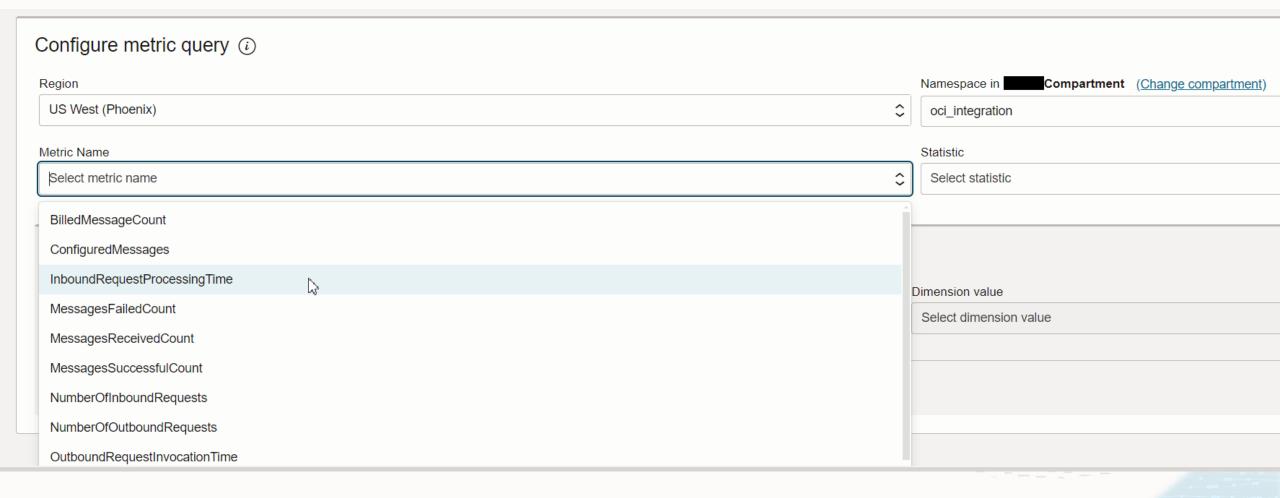
# OCI Logging Dashboards for OIC



- Simple to build
- Based on Service Metrics



#### OCI Logging Dashboards for OIC



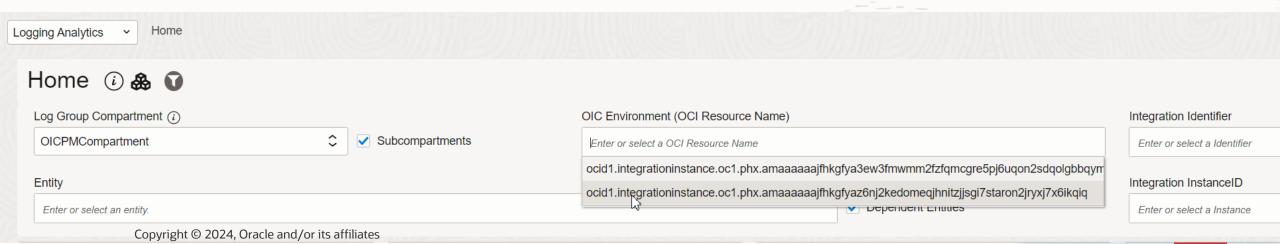


# OCI Logging Analytics for Oracle Integration



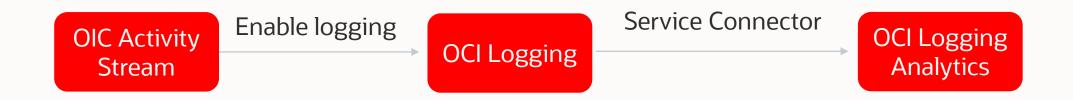
#### OCI Logging Analytics for OIC

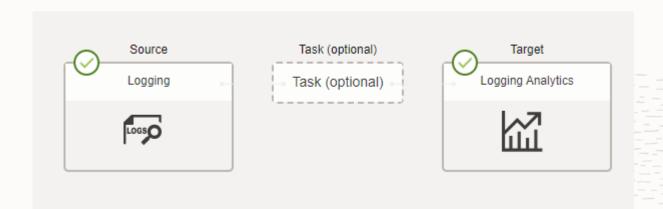
- Create rich dashboards based on OIC Activity Stream and Service Metrics data
- Seeded with 3 OOTB Dashboards for OIC
  - OIC Health Overview
  - OIC Key Metrics
  - OIC Time Taken Analysis
- OIC Fleet Management
  - Monitor all of your OIC instances in one place
  - Drill down into individual integrations



#### OCI Logging Analytics - ingesting OIC activity stream data

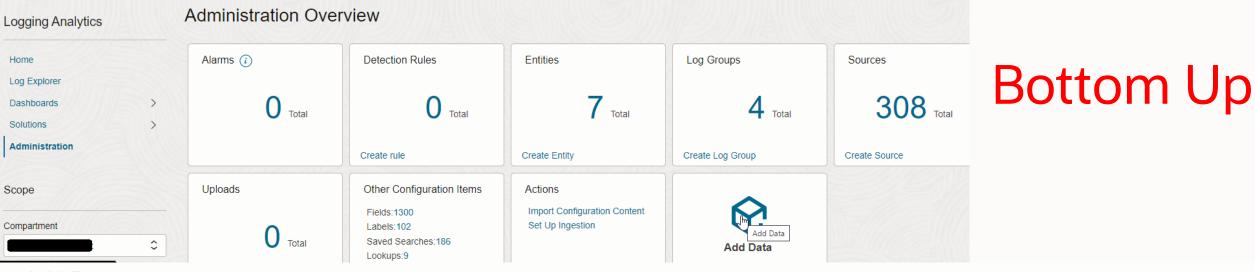
# Top Down







# OCI Logging Analytics - ingesting OIC activity stream data

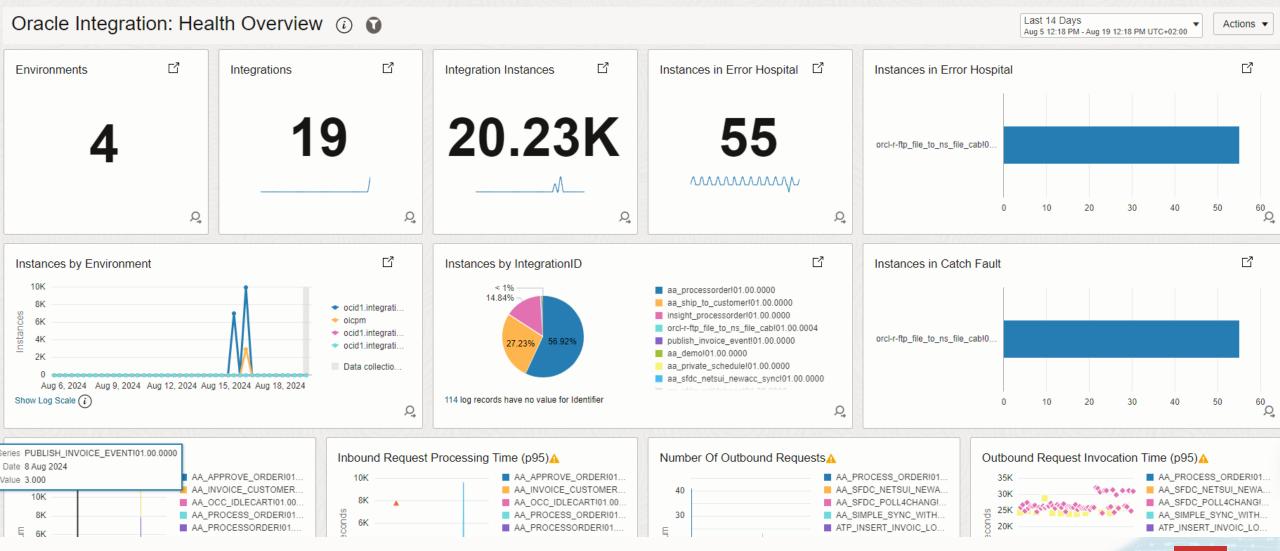


Add Data

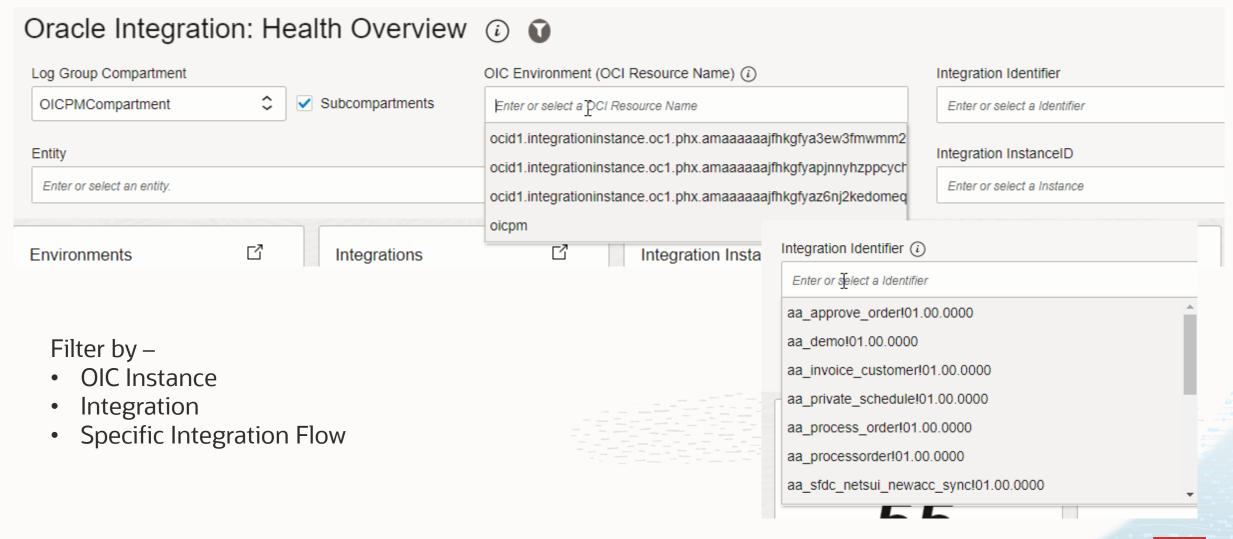
■ Monitor OCI resources OCI Core Infrastructure Configure log collection for OCI resources To complete this task, you must have the permission to create and update Log Group, Service Connector, logs, and IAM policies.



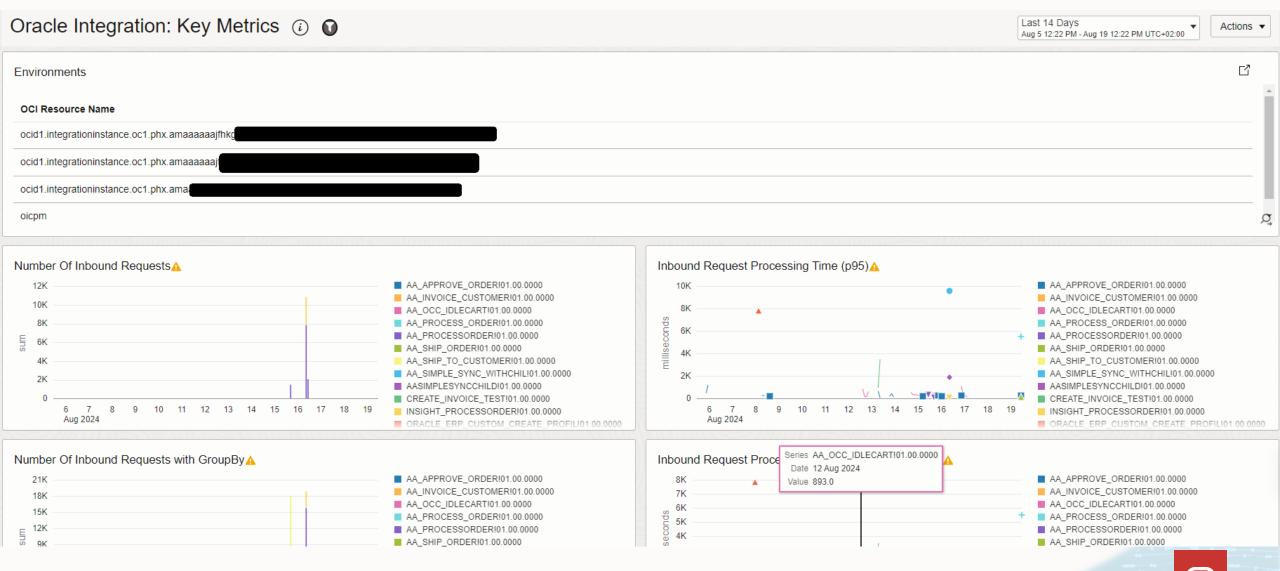
#### OCI Logging Analytics for OIC – OIC Health Dashboard



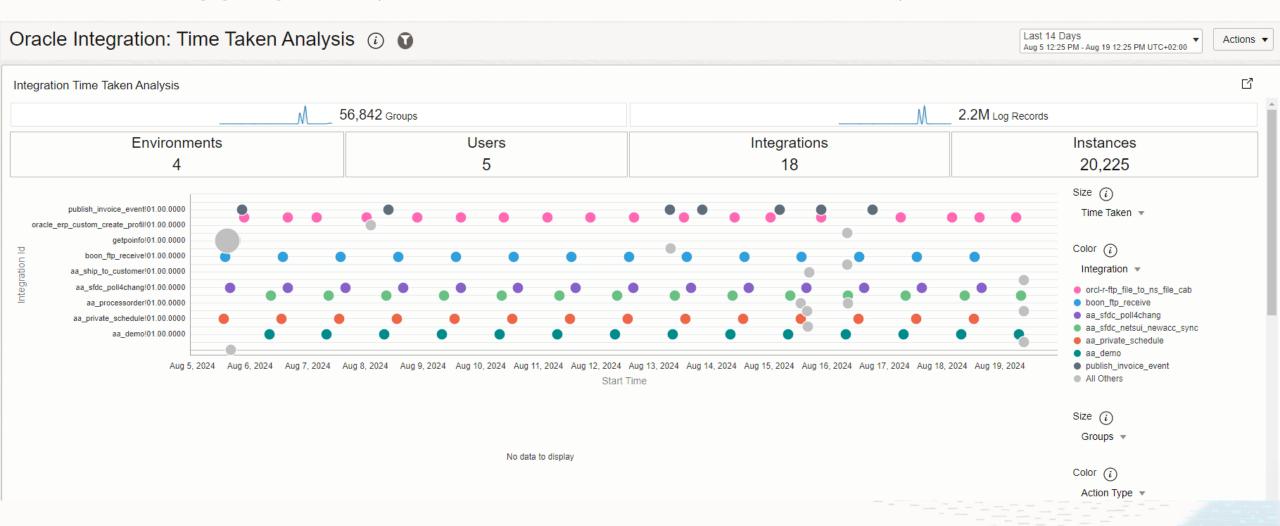
#### OCI Logging Analytics for OIC – OIC Health Dashboard Filters



# OCI Logging Analytics for OIC – OIC Key Metrics Dashboard



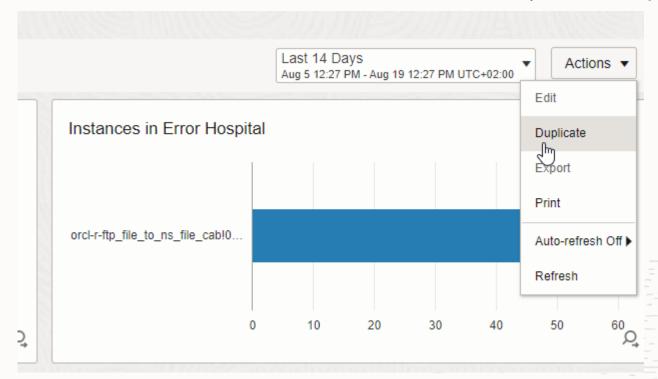
## OCI Logging Analytics for OIC – Time Taken Analysis Dashboard





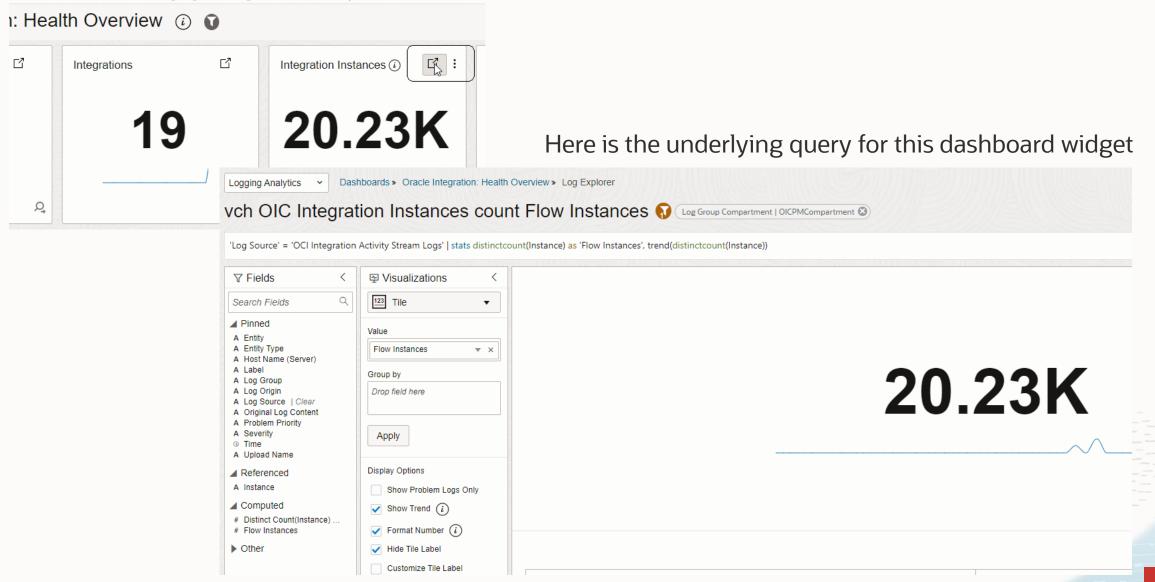
#### OCI Logging Analytics for OIC – Dashboards

- You can create your own Dashboards based on OIC Service Metrics & Activity Stream
- The 3 Dashboards we deliver cannot be edited, however, you can duplicate and then edit

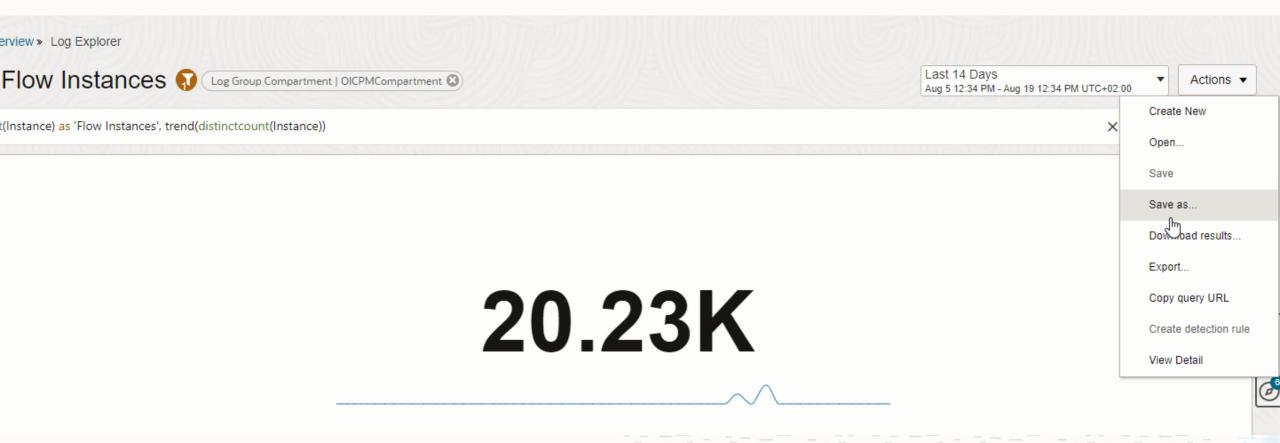




#### OCI Logging Analytics for OIC – Dashboards drill downs



## OCI Logging Analytics for OIC – Dashboard widget creation



Queries can be changed and saved as a new widget

