

Day 4

SAP Advanced Event Mesh – Discover Monitoring capabilities

CONTENTS

EXERCISE: DISCOVER MONITORING CAPABILITIES.....	3
PREREQUISITES.....	3
SOLUTION 1: DISCOVER MONITORING & OPERATION ASPECTS	4

Day 4

Exercise: Discover Monitoring capabilities

- Discover Monitoring capabilities in SAP Advanced Event Mesh

Prerequisites

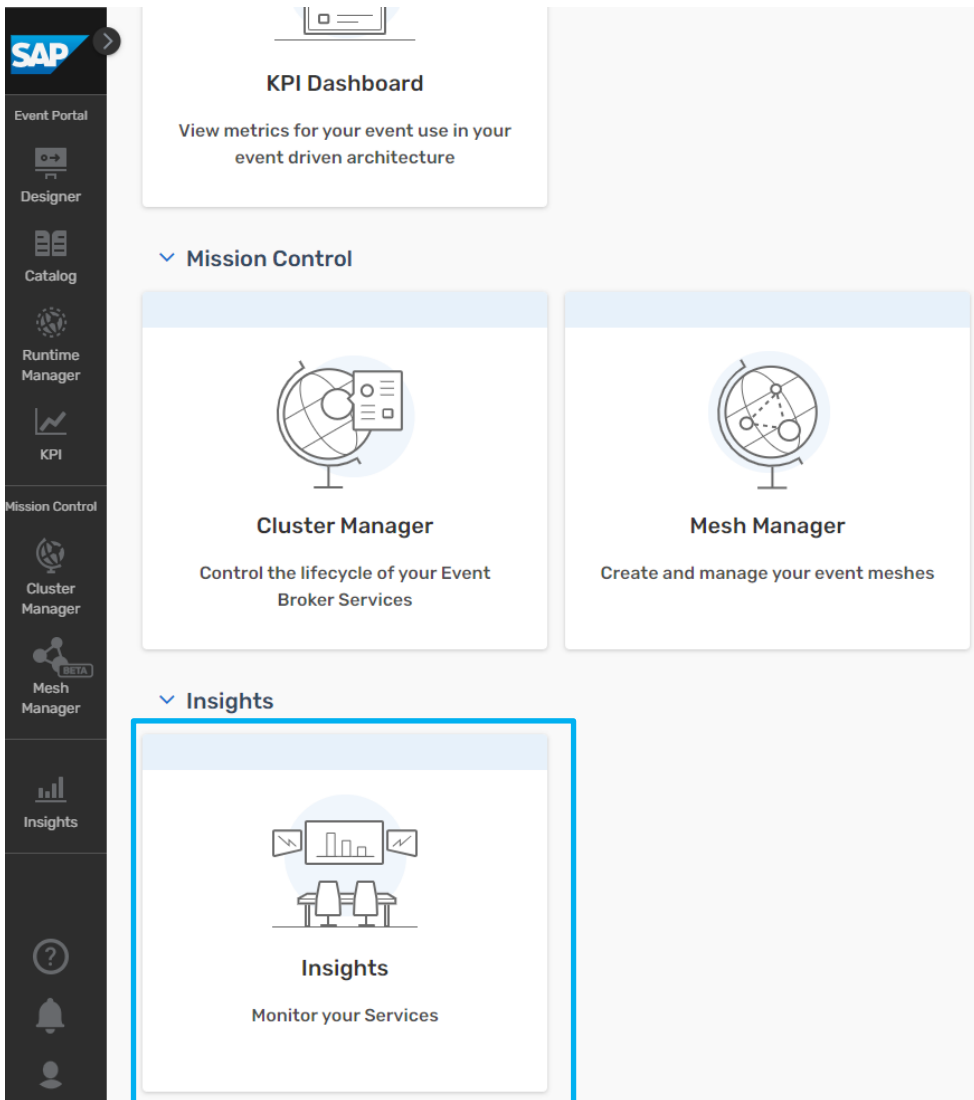
- You access and use the same broker you setup previously

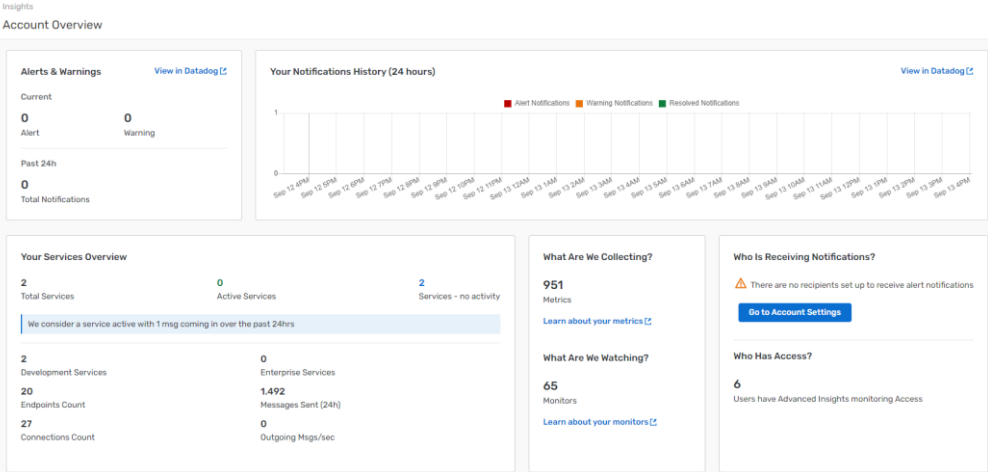
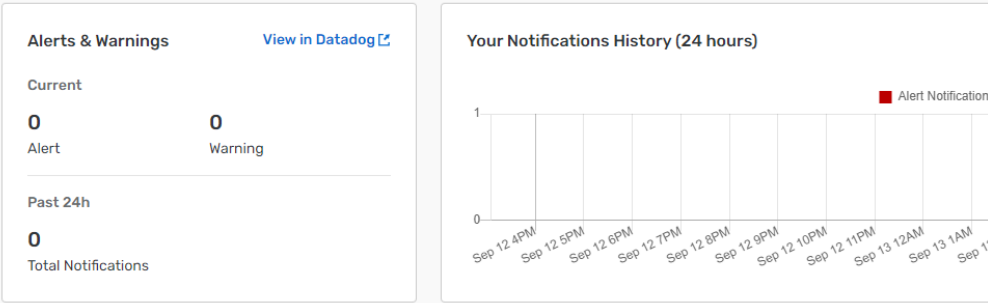
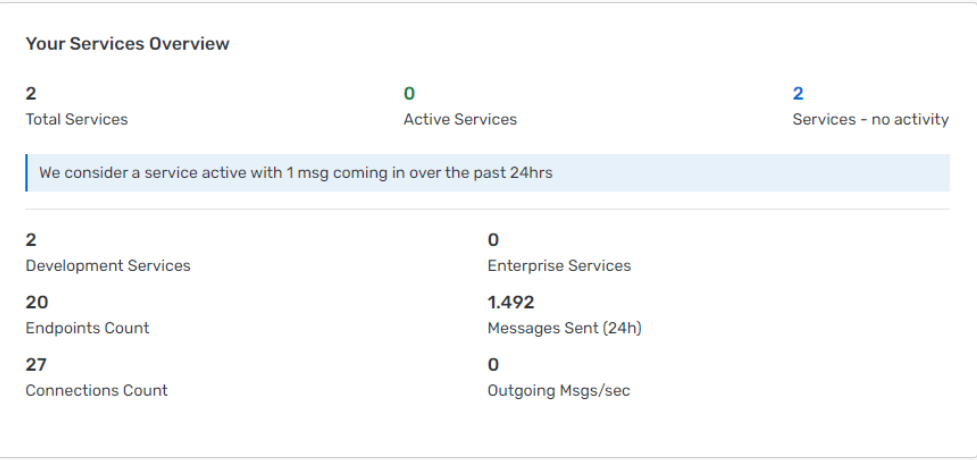
Day 4
Solution 1

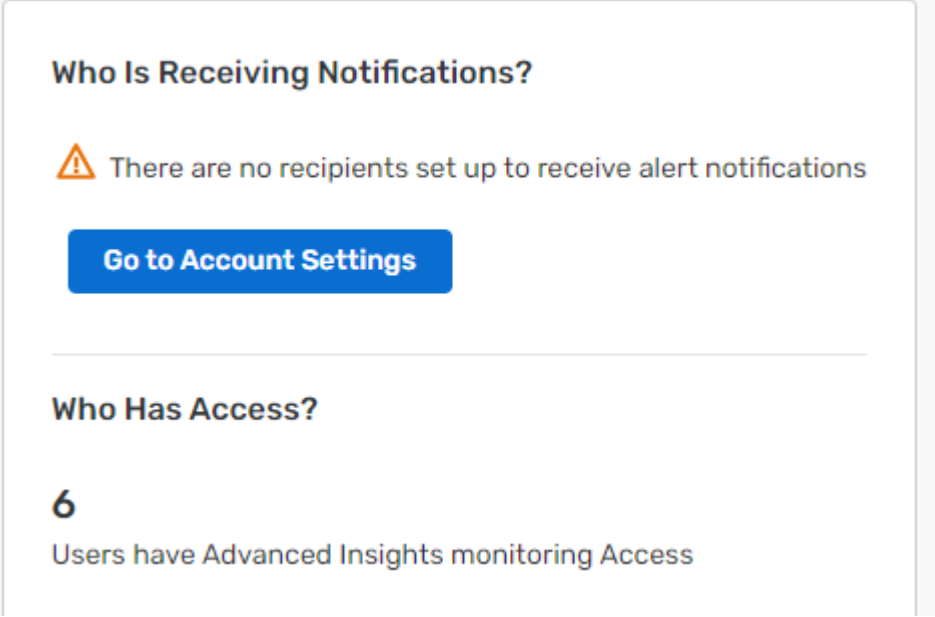




Solution 1: Discover Monitoring & Operation Aspects

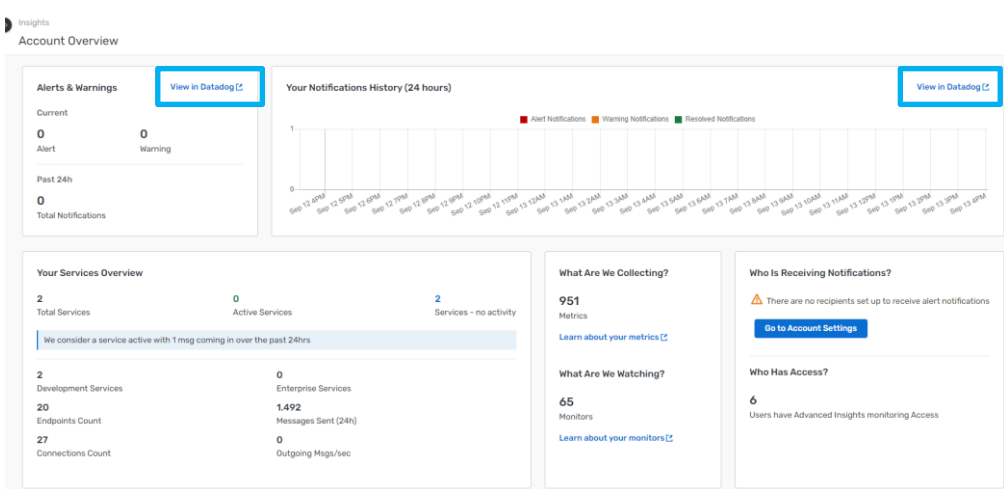
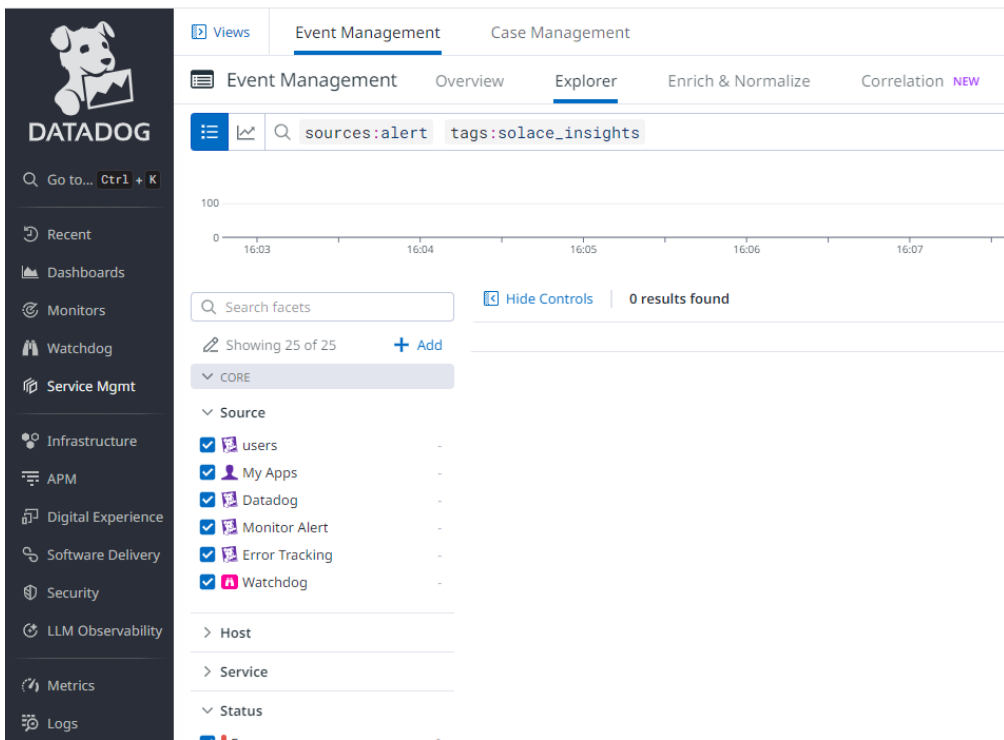
Scenario

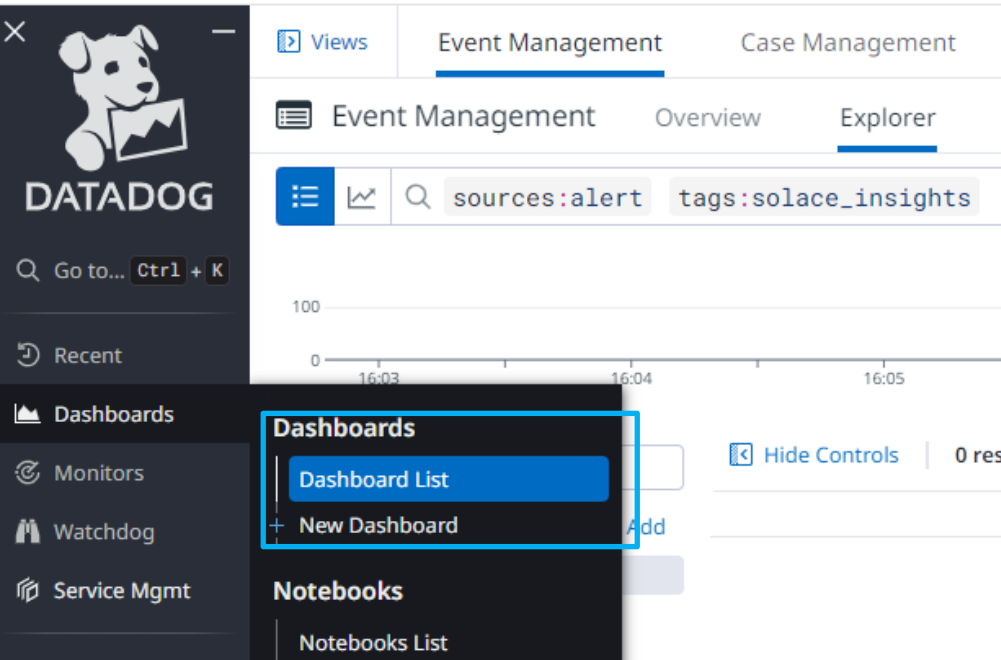
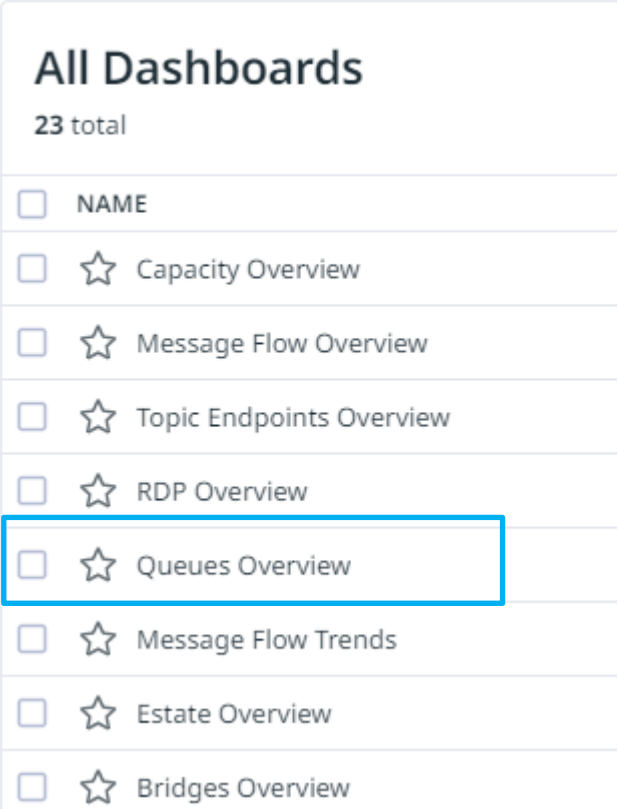
- Discover Monitoring capabilities in SAP Advanced Event Mesh

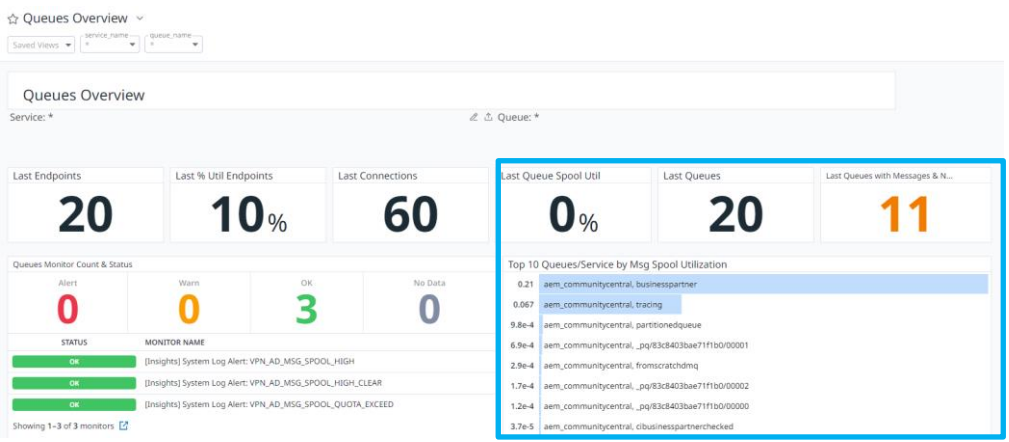
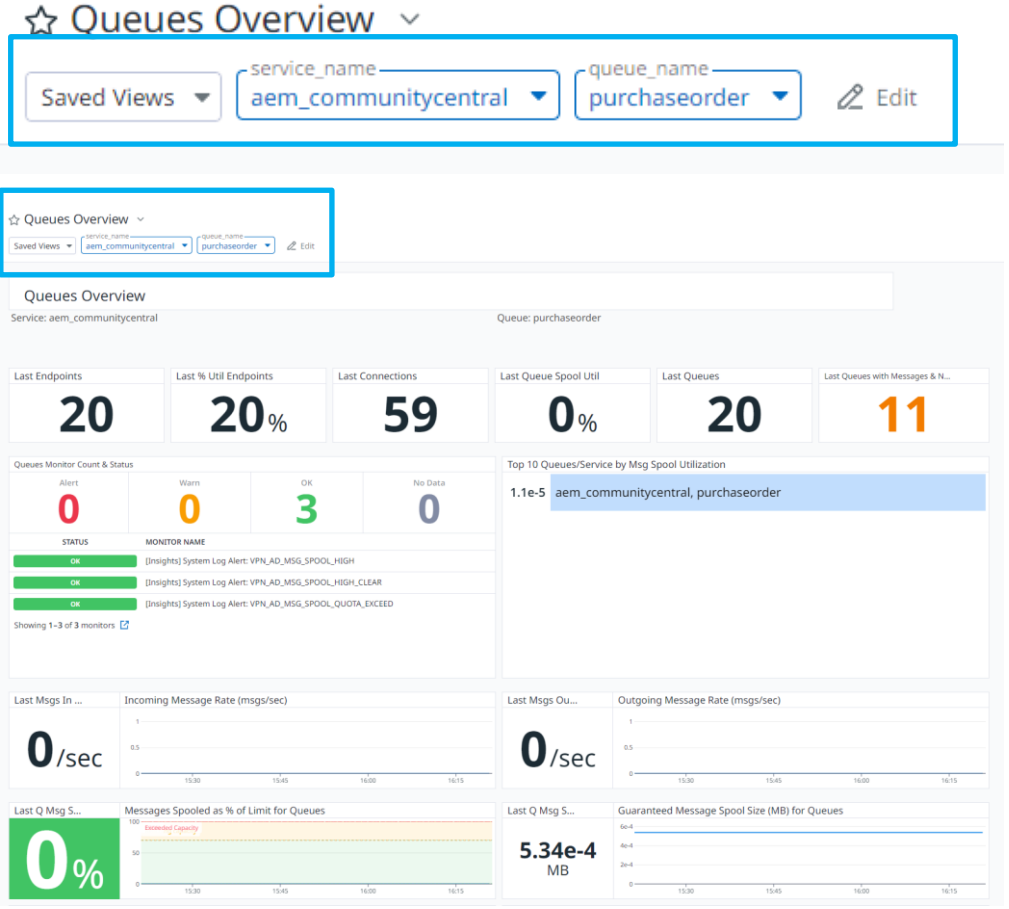
Explanation	Screenshot
From the SAP AEM Console, open the Insights Overview.	 <p>The screenshot displays the SAP AEM Console interface. On the left is a dark sidebar with the SAP logo at the top and a list of navigation items: Event Portal, Designer, Catalog, Runtime Manager, KPI, Mission Control, Cluster Manager, Mesh Manager (marked with a BETA tag), Insights, a help icon, a notification bell, and a user profile icon. The main content area is light gray and contains several tiles. At the top is the 'KPI Dashboard' tile with the description 'View metrics for your event use in your event driven architecture'. Below it is a section titled 'Mission Control' which contains two tiles: 'Cluster Manager' (described as 'Control the lifecycle of your Event Broker Services') and 'Mesh Manager' (described as 'Create and manage your event meshes'). At the bottom is a section titled 'Insights' which contains one tile, 'Insights' (described as 'Monitor your Services'). This 'Insights' tile is highlighted with a blue rectangular border.</p>

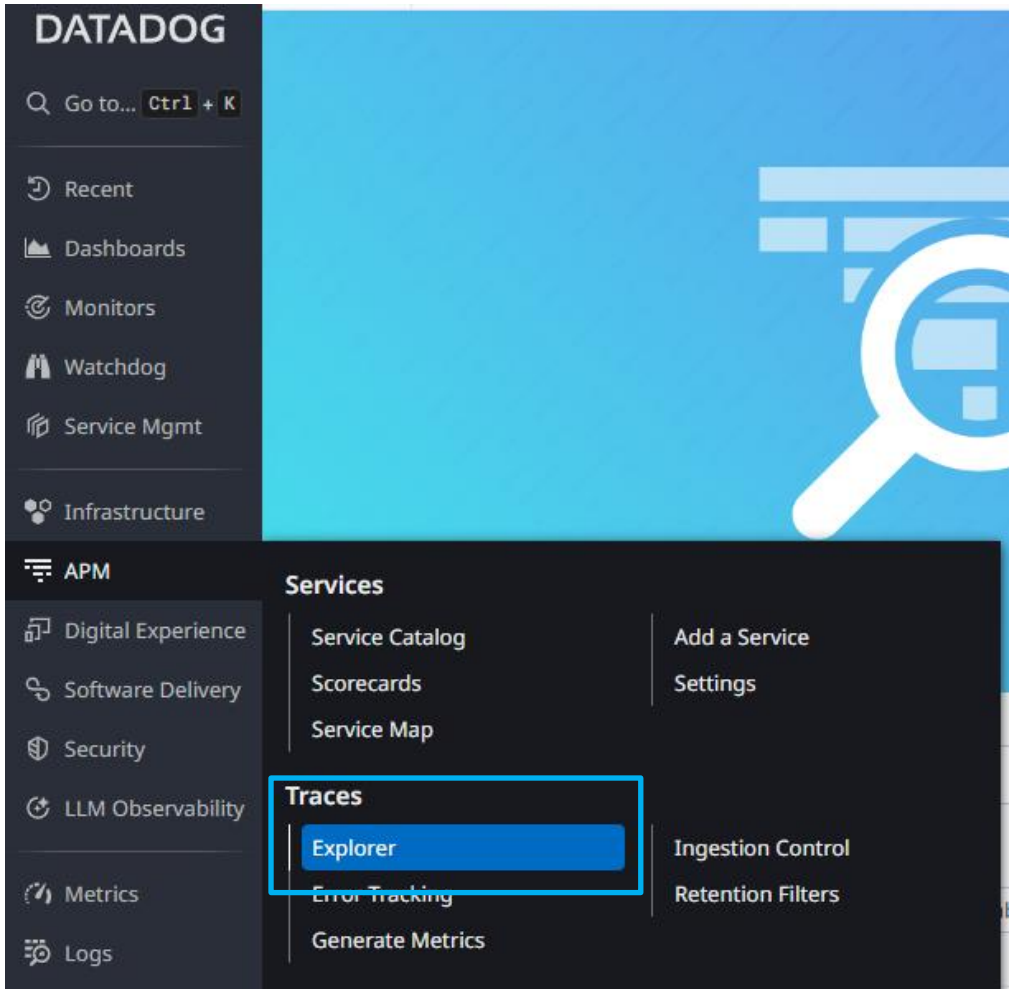
Explanation	Screenshot
The Account Overview cotains in a very High-Level the relevant information for your Event Mesh.	
If an alter occurs for your Event Mesh this will be logged here.	
Services shows all Services and Queues across your Event Mesh. Only Services which got in the past 24 hours a message. Are count as Active.	

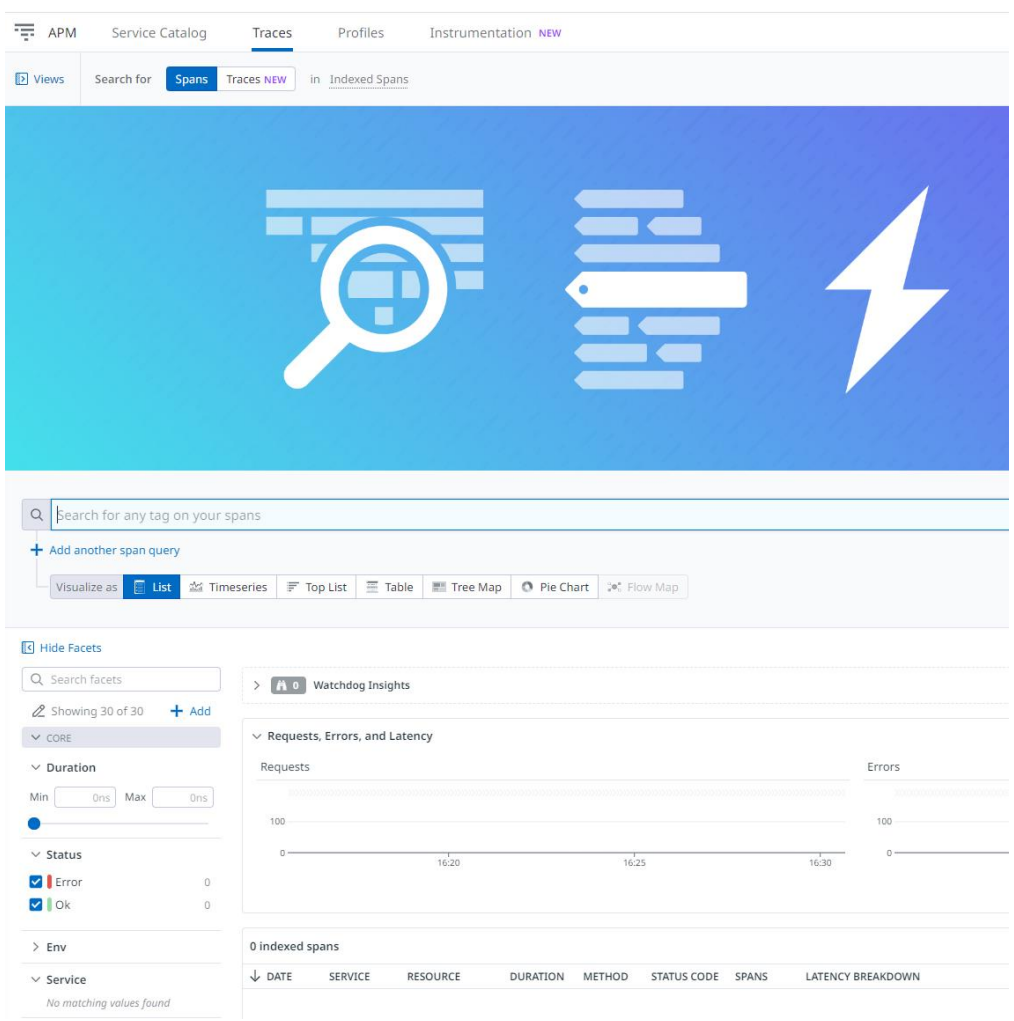
Explanation	Screenshot
<p>Basic “AlterNotification” Setup can be done via Account settings.</p> <p>configure specific users or a shared mailbox for a proper error handling by your Operation Team</p>	 <p>Who Is Receiving Notifications?</p> <p>⚠ There are no recipients set up to receive alert notifications</p> <p>Go to Account Settings</p> <p>Who Has Access?</p> <p>6 Users have Advanced Insights monitoring Access</p> <p>Message Service Alerts & Notification: Inactive</p> <p>Email notifications are triggered when thresholds are crossed or statuses change in an event broker service. These notifications can help you to ensure that your applications that utilize the event broker services function properly. Learn more about what we monitor</p> <p>Alert Notifications: The highest severity of monitor events related to resource utilization or service interruptions.</p> <p>List of Emails <input type="text"/></p> <p>⚠ There are no recipients set up to receive alert notifications</p> <p>Warning Notifications: A lower-level severity of monitor events related to resource utilization or service interruptions.</p> <p>List of Emails <input type="text"/></p> <p>⚠ There are no recipients set up to receive warning notifications</p> <p>Recovery Notifications: Informational monitor events that indicate an Alert or Warning event was resolved.</p> <p>List of Emails <input type="text"/></p> <p>⚠ There are no recipients set up to receive recovery notifications</p> <p>Who Can Receive Notifications?</p> <ul style="list-style-type: none"> Individual emails Group emails Application emails <p>Learn more about sending notifications to applications</p> <p>You can notify applications such as:</p> <p>   </p> <p>Discard Changes Activate Notifications</p> <p><small>Slack is a trademark and service mark of Slack Technologies, Inc., registered in the U.S. and in other countries. ServiceNow, the ServiceNow logo, Now, and other ServiceNow marks are trademarks and/or registered trademarks of ServiceNow, Inc., in the United States and/or other countries. OpsGenie and the OpsGenie logo are trademarks and/or registered trademarks of Atlassian Corporation Plc in Australia, the United States and/or other countries. PagerDuty and the PagerDuty logo are trademarks and/or registered trademarks of PagerDuty Inc. in the United States and/or other countries.</small></p>

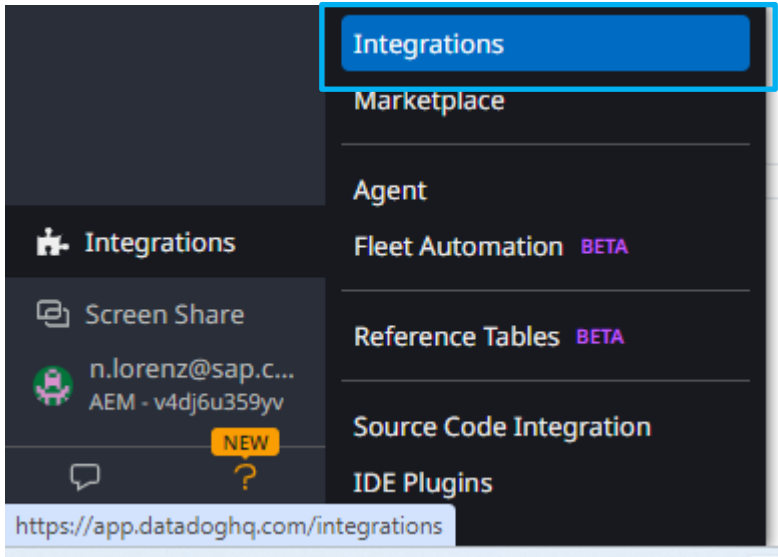
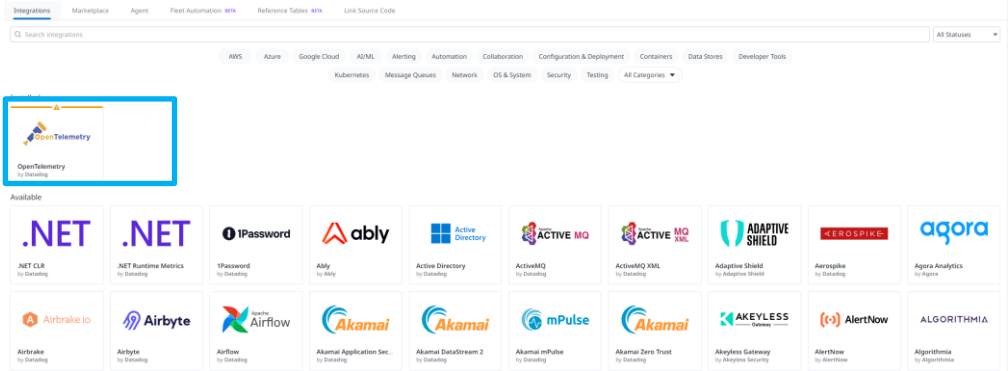
Explanation	Screenshot
<p>The more powerful monitoring feature can be handled with DataDog. As per Default in SAP Adavanced Event Mesh the DataDog Instance is availaible.</p> <p>Click on the Button „View in Datadog“</p>	
<p>Datadog collects information about your Event Mesh across all Brokers.</p>	

Explanation	Screenshot
<p>Navigate on the left side to: Dashboards – Dashboard List</p>	
<p>You can define and manage your own dashboards. Also, a predefined set of dashboards is available in Datadog.</p> <p>A very important Overview is the: “Queues Overview”</p>	

Explanation	Screenshot
Without further selection, a general overview about queues and there health status, message amount etc. is available	 <p>The screenshot shows the 'Queues Overview' dashboard. At the top, there are filters for 'Service' and 'Queue'. The main section displays several key metrics: 'Last Endpoints' (20), 'Last % Util Endpoints' (10%), 'Last Connections' (60), 'Last Queue Spool Util' (0%), 'Last Queues' (20), and 'Last Queues with Messages & N...' (11). Below these, there is a 'Queues Monitor Count & Status' section with indicators for Alert (0), Warm (0), OK (3), and No Data (0). A table lists the status of various monitors. On the right, a 'Top 10 Queues/Service by Msg Spool Utilization' list is shown, with the top entry being 'aem_communitycentral, businesspartner'.</p>
In the left corner there is a filter option for a specific queue available.	 <p>This screenshot shows the 'Queues Overview' dashboard with specific filters applied. The 'service_name' is set to 'aem_communitycentral' and the 'queue_name' is set to 'purchaseorder'. The dashboard displays metrics for this specific queue: 'Last Endpoints' (20), 'Last % Util Endpoints' (20%), 'Last Connections' (59), 'Last Queue Spool Util' (0%), 'Last Queues' (20), and 'Last Queues with Messages & N...' (11). The 'Queues Monitor Count & Status' section shows 0 Alerts, 0 Warm, 3 OK, and 0 No Data. A table lists the status of monitors. The 'Top 10 Queues/Service by Msg Spool Utilization' list shows 'aem_communitycentral, purchaseorder' as the top entry. At the bottom, there are sections for 'Last Msgs In ...' (0/sec), 'Incoming Message Rate (msgs/sec)', 'Last Msgs Out ...' (0/sec), 'Outgoing Message Rate (msgs/sec)', 'Last Q Msg S...' (0%), 'Messages Spooled as % of Limit for Queues', 'Last Q Msg S...' (5.34e-4 MB), and 'Guaranteed Message Spool Size (MB) for Queues'.</p>

Explanation	Screenshot
Navigate on the left side to: APM (Advanced Performance Monitoring) – Traces - Explorer	

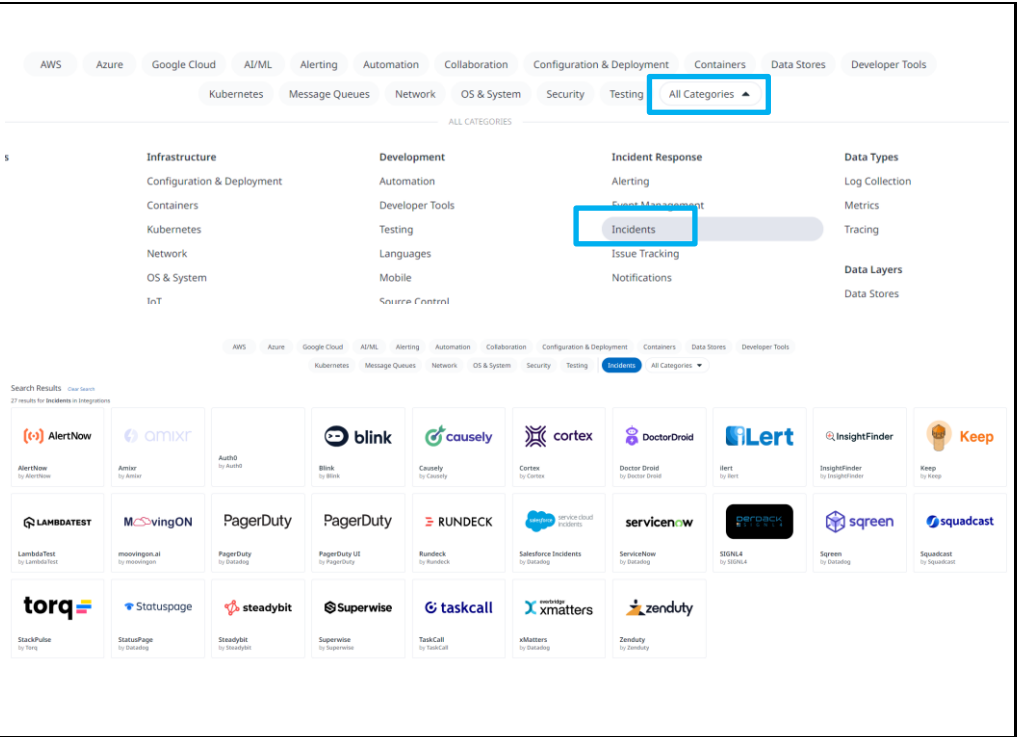
Explanation	Screenshot
<p>If “Distributed Tracing” is activated – under this overview is the chance to check these traces for the landscape</p>	 <p>The screenshot displays the SAP APM Traces overview page. At the top, navigation tabs include APM, Service Catalog, Traces (selected), Profiles, and Instrumentation (marked as NEW). Below the navigation bar, there's a search section with a 'Views' button, a search input, and tabs for 'Spans' (selected) and 'Traces NEW', followed by 'Indexed Spans'. A large blue banner with white icons (a magnifying glass over a server rack, a list of spans, and a lightning bolt) is prominent. Below the banner is a search bar for tags on spans and a button to 'Add another span query'. A 'Visualize as' section offers various visualization options: List (selected), Timeseries, Top List, Table, Tree Map, Pie Chart, and Flow Map. On the left, a 'Hide Facets' section allows filtering by 'CORE', 'Duration' (with min/max inputs), 'Status' (with checkboxes for Error and Ok), 'Env', and 'Service'. The main content area shows 'Watchdog Insights' and 'Requests, Errors, and Latency' with two empty bar charts. At the bottom, it indicates '0 indexed spans' and provides a table header with columns: DATE, SERVICE, RESOURCE, DURATION, METHOD, STATUS CODE, SPANS, and LATENCY BREAKDOWN.</p>

Explanation	Screenshot
<p>Navigate on the left side (bottom) to: Integrations – Integrations</p>	
<p>Get an overview of possible Integration options. As per default Open Telemetry Data should be available.</p>	

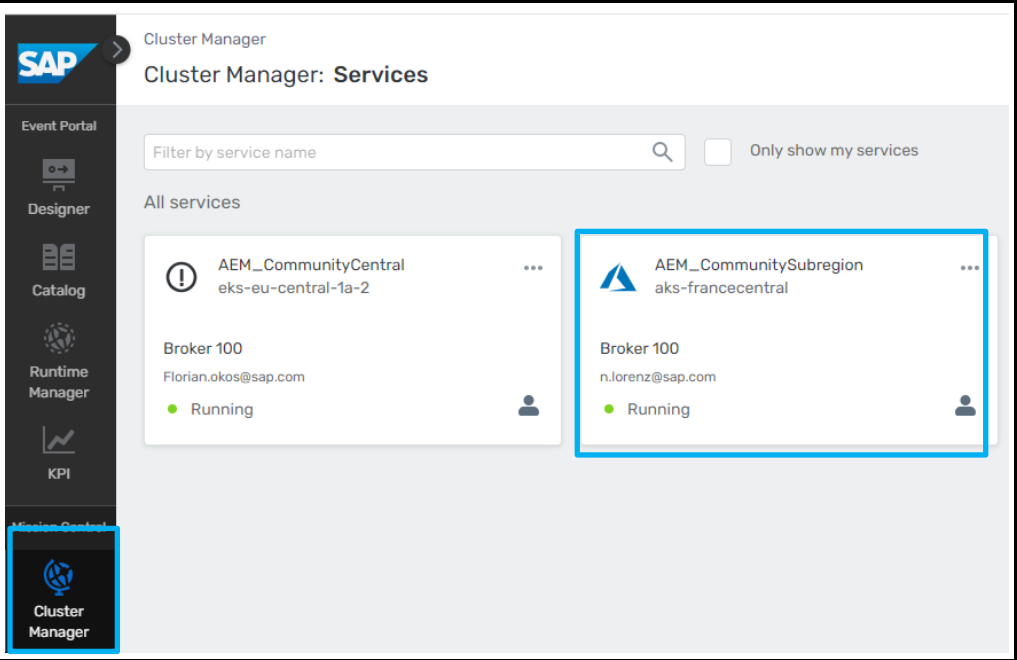
SOLUTION 1: DISCOVER MONITORING & OPERATION ASPECTS

Select categories – Incidents

Set up alerts and incidents for a selected bunch of tools e.g. blink, AlertNow, servicenow etc.



Go to Cluster Manager and select a Broker service



<p>For each Broker Service there is also a Monitoring tab available</p>	
<p>It contains dedicated information for a specific Broker Service</p>	
<p>From this Monitoring tab navigate to Datadog for further configurations and the detailed monitoring</p>	
<p>Congratulations! You successfully completed the Exercise</p>	