# Day 4
# SAP Advanced Event Mesh – Distributed Tracing

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# Day 4

## Exercise: Enable Distributed Tracing

- Enable Distributed Tracing for your Default Env.

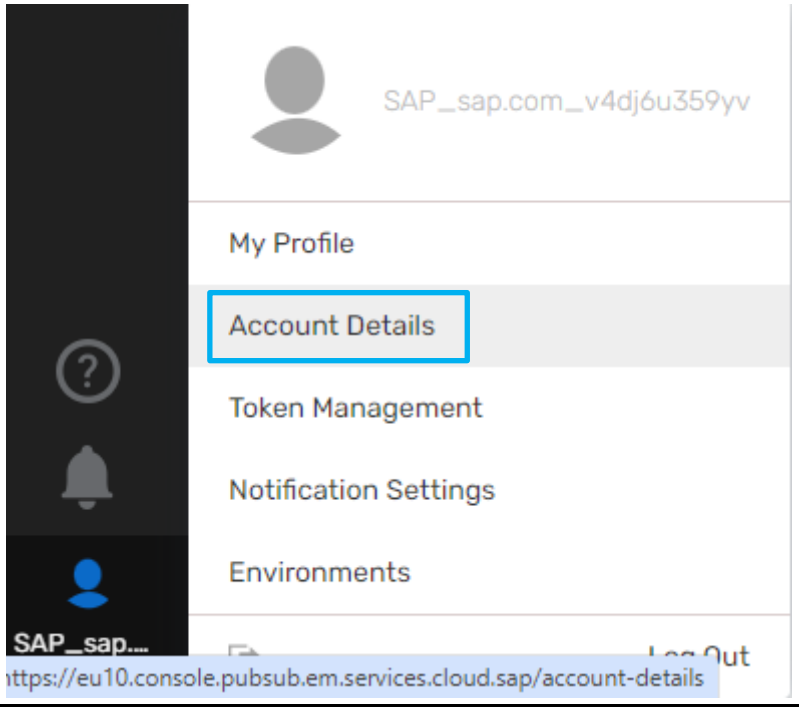
## Prerequisites

- You access and use the same broker you setup previously

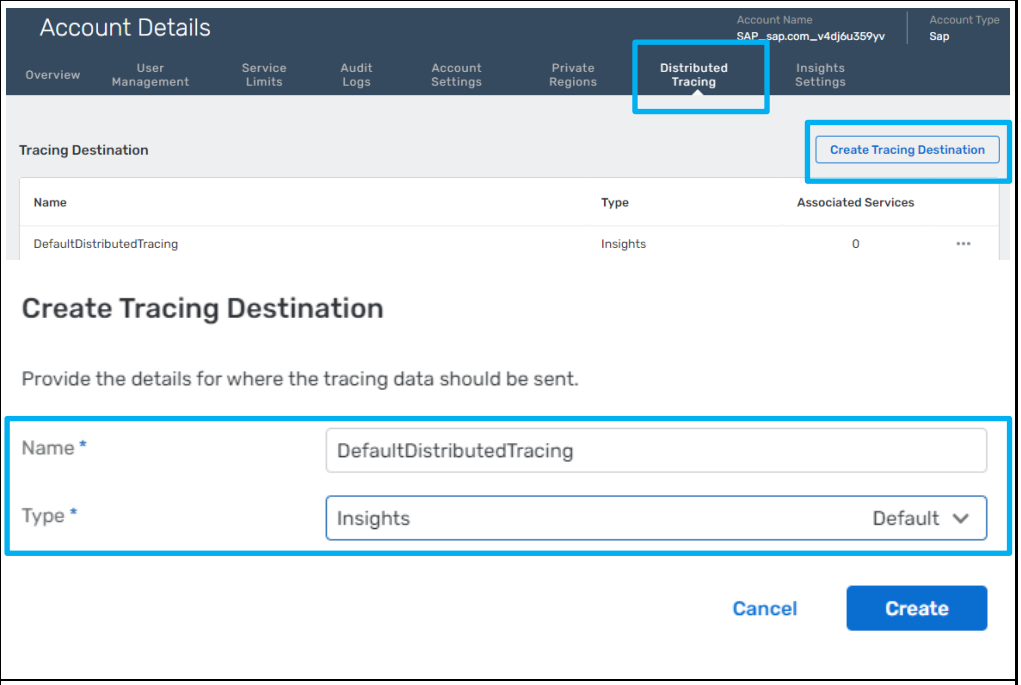
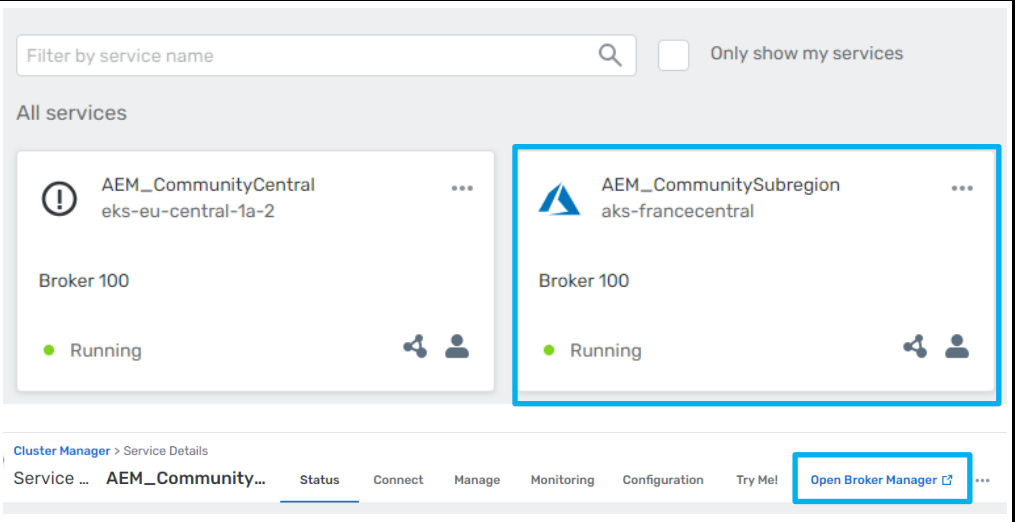
Day 4
Solution 1

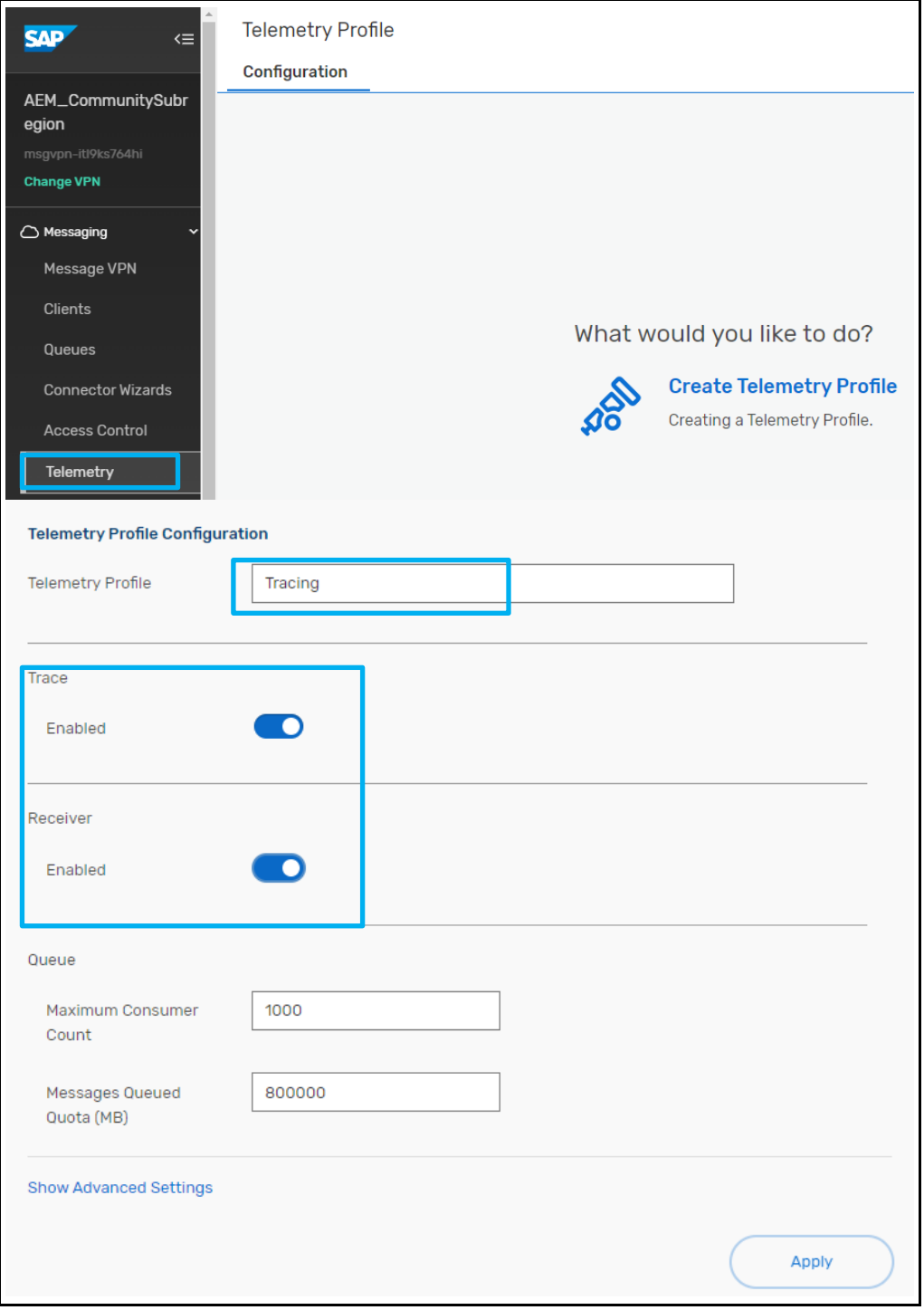
# Solution 1: Enable Distributed Tracing

- Enable Distributed Tracing for your Default Env.
- Get an Unterstanding of Entry Points for Distributed Tracing across your Env.

| Explanation | Screenshot |
| --- | --- |
| Go to User & Account → Account Details |  |

| Explanation | Screenshot |
|---|---|
| Got to “Distributed Tracing” and create a new Tracing Destination.<br><br>Per Default ( with no additional configuration) it is AEM Insights.<br><br>Name: ***DefaultDistributedTracing***<br><br>Type: ***Insights***<br><br>External Tools can be also configured there. It is not party of the exercise. |  |
| Configure the Message Broker which needs to be included in Distributed Tracing<br><br>Cluster Manager → Broker Service → Open Broker Manager |  |

| Explanation | Screenshot |
| --- | --- |
| Create a Telemetry Profile: **Tracing** |  |

| Explanation | Screenshot |
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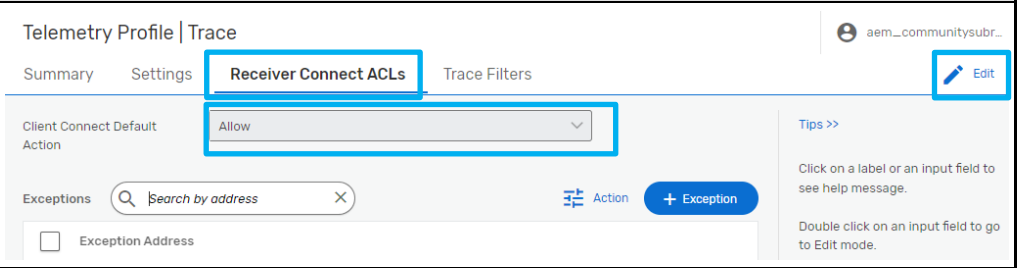
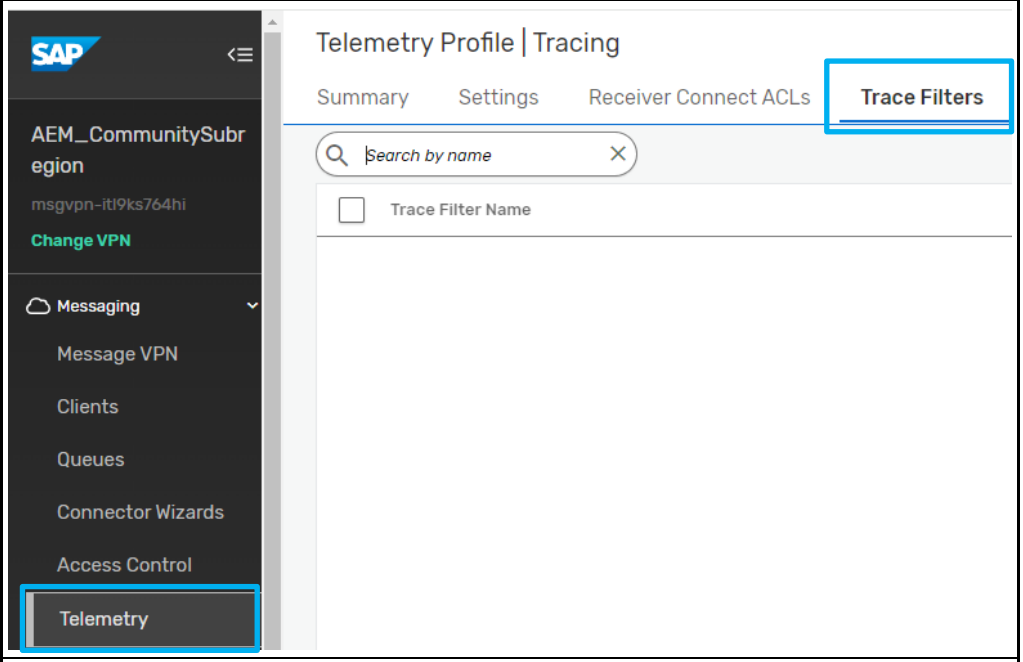
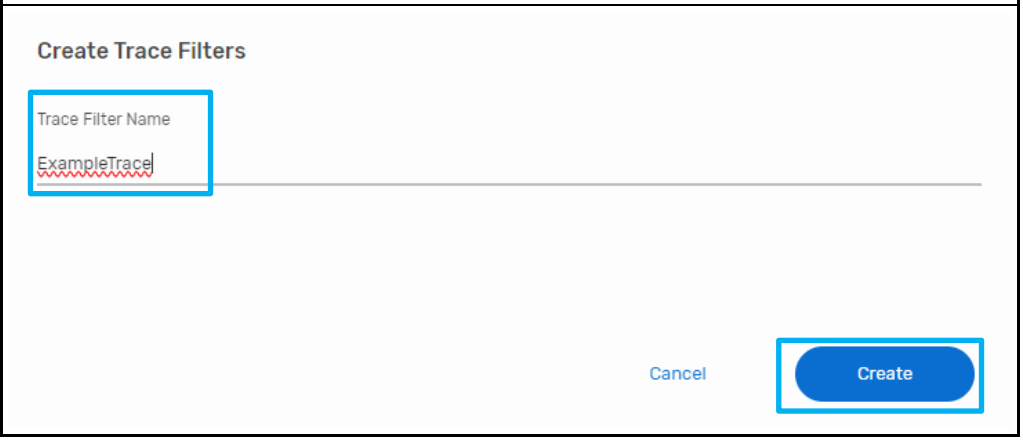
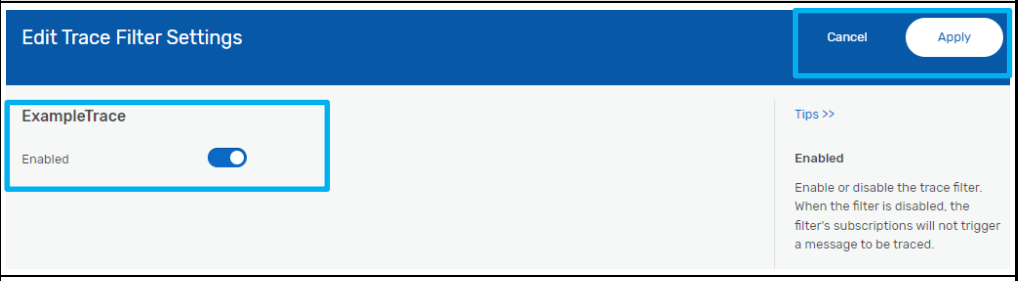
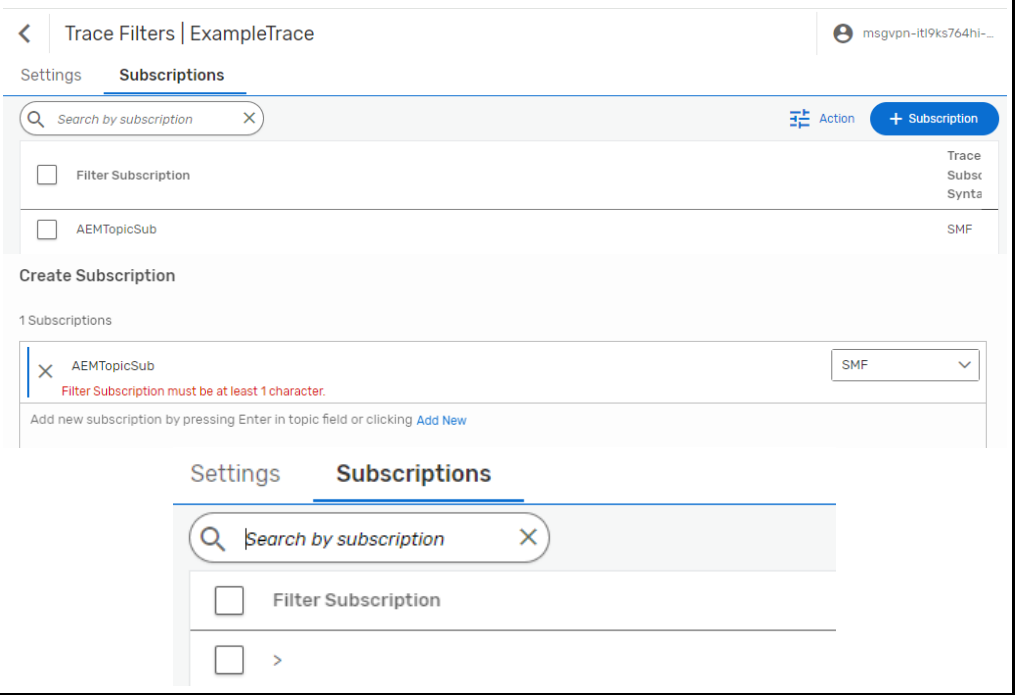
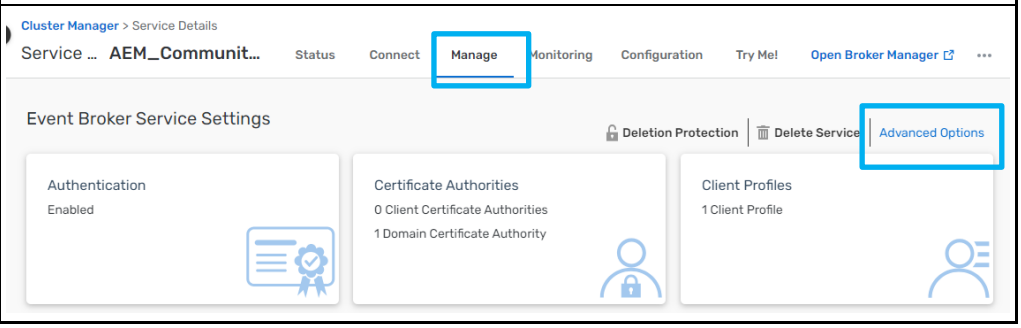
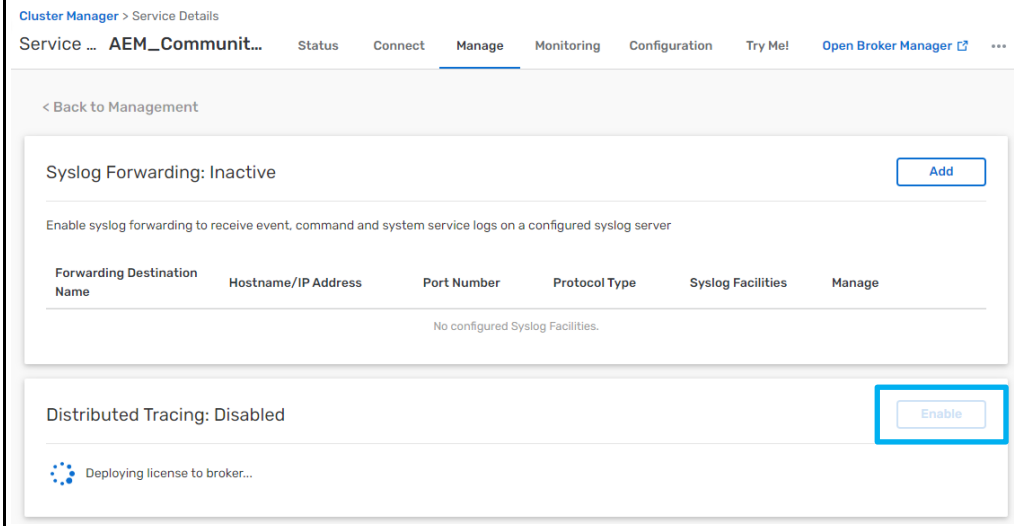
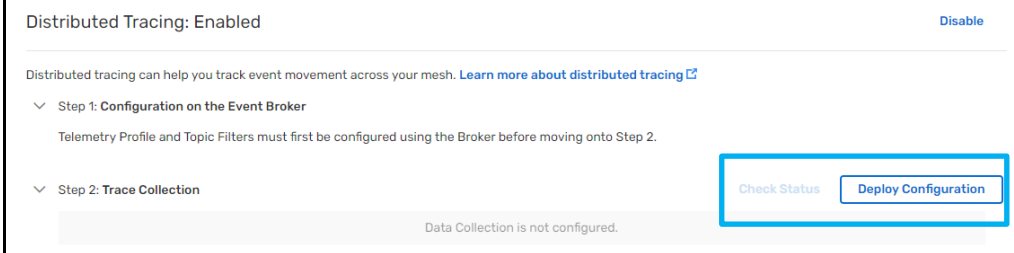
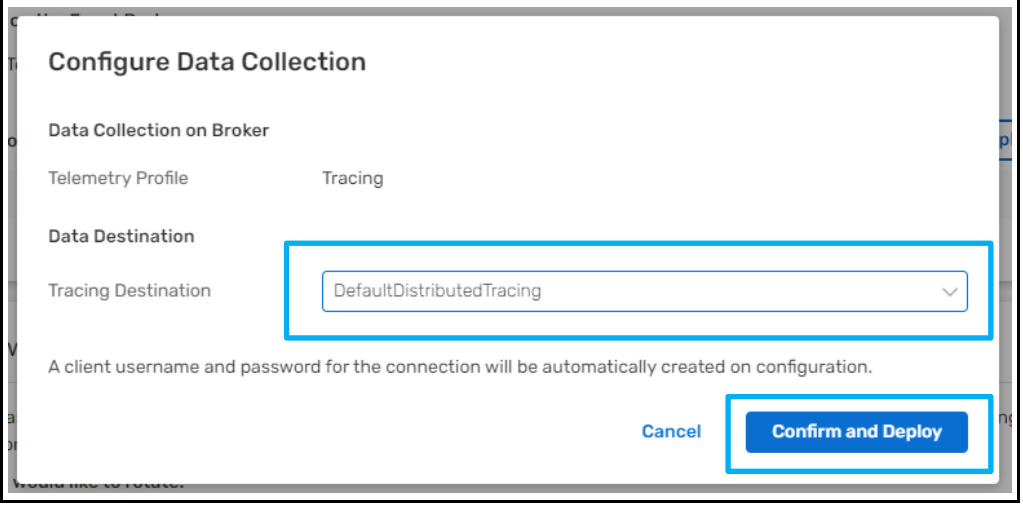
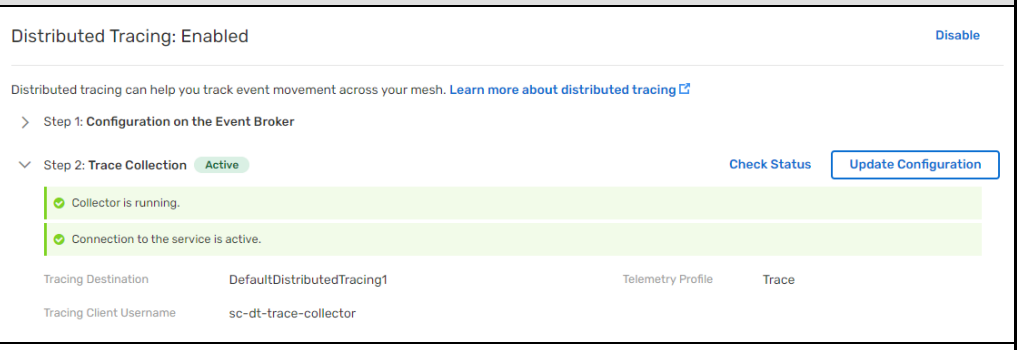
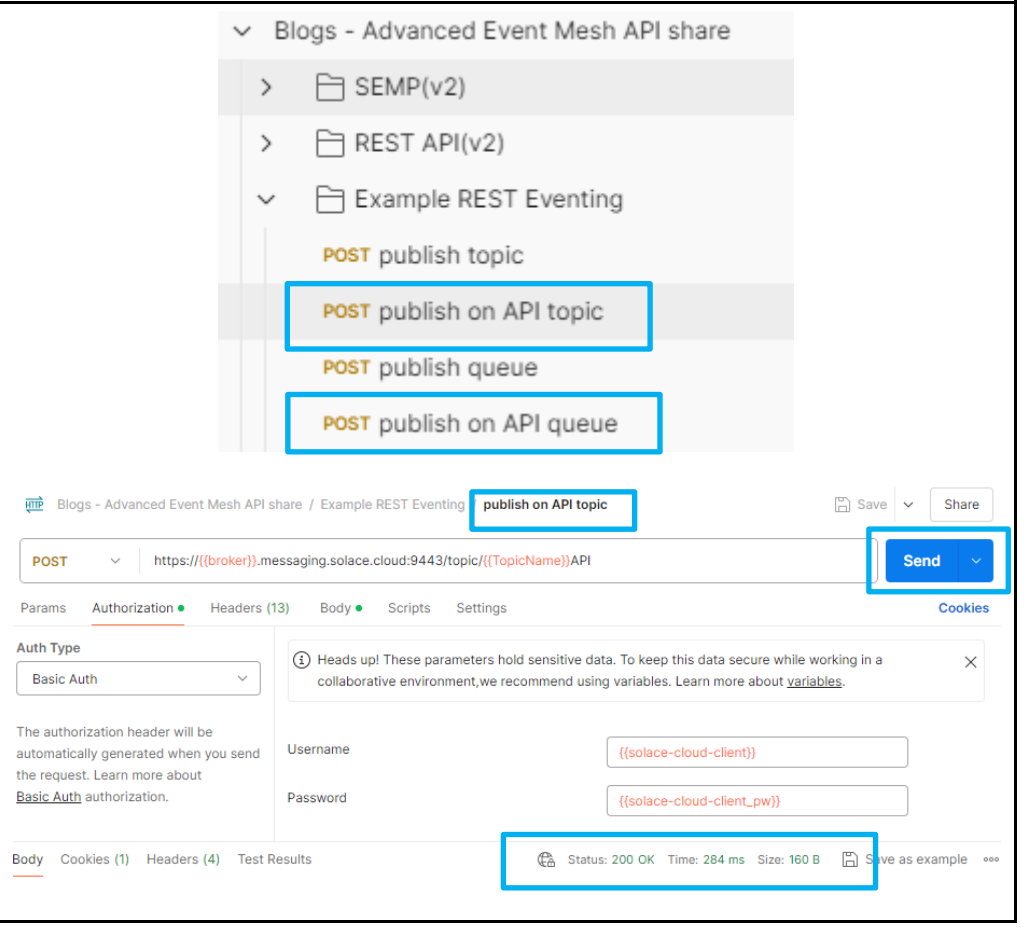
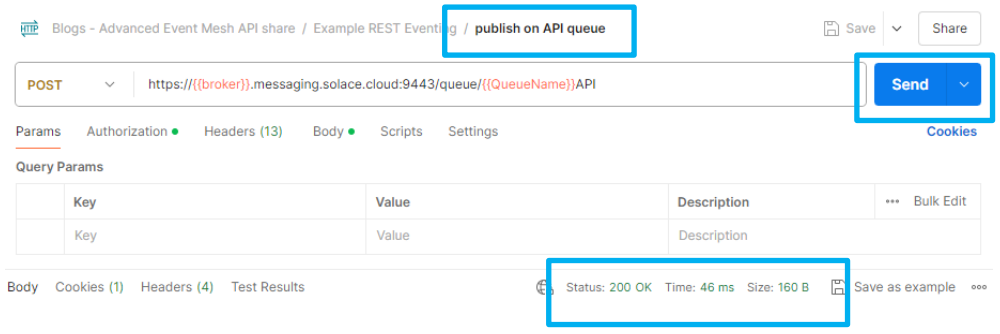
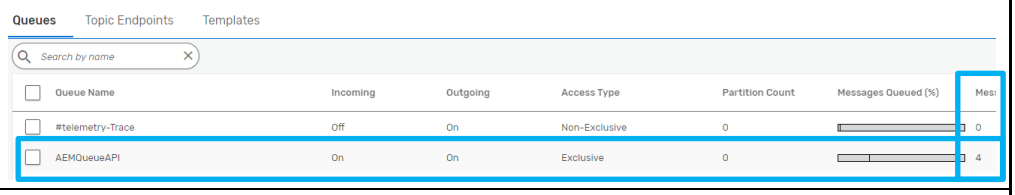
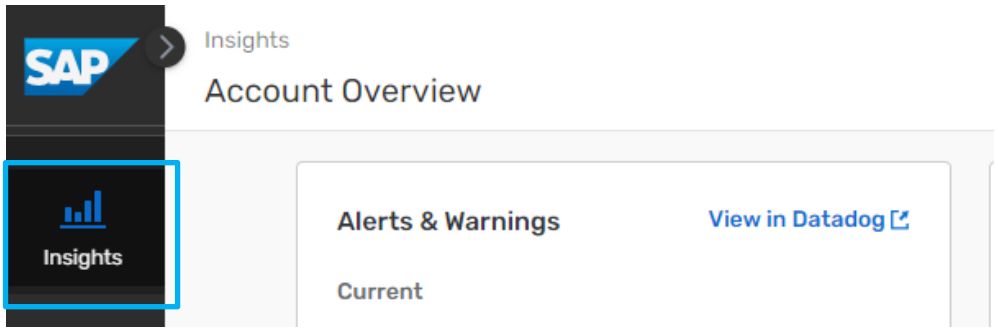
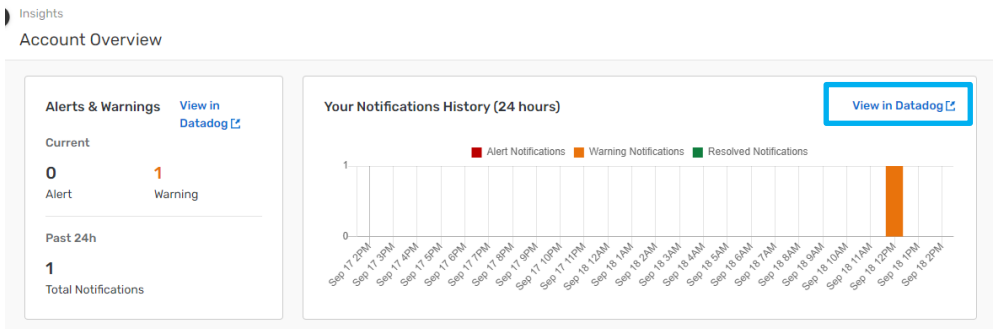
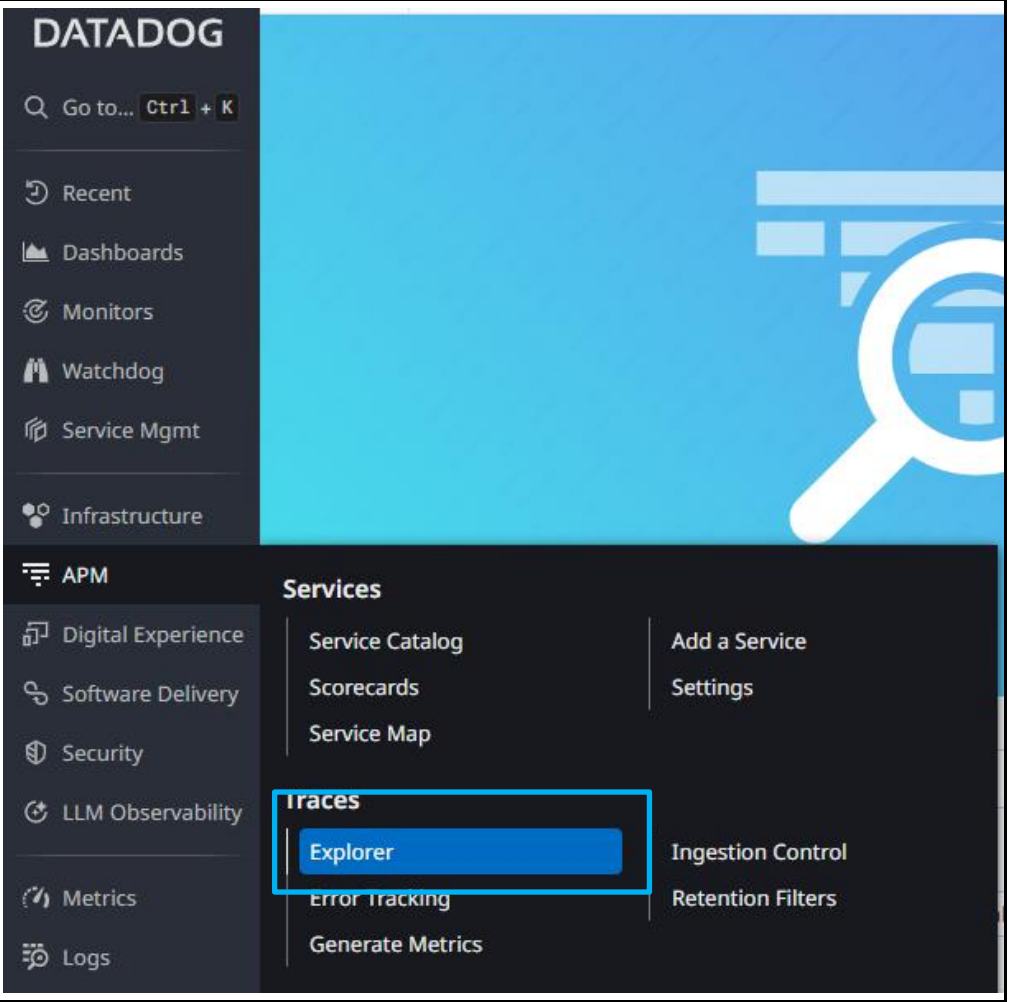
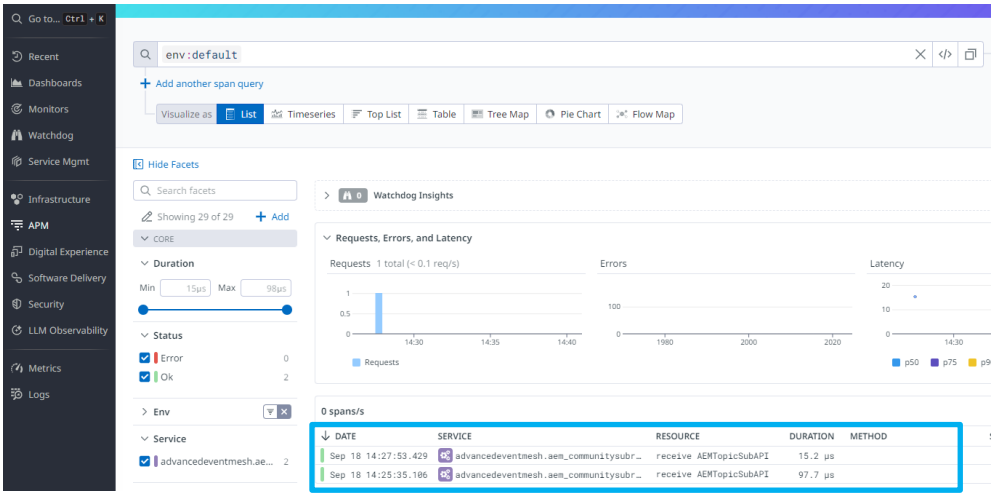
| Edit the Tab “Receiver Connect ACLs” to “Allow” |  |
| Go To TraceFilters |  |
| Create new Trace Filter: **ExampleTrace** |  |

| Explanation | Screenshot |
| --- | --- |
| |  |
| Add a new Subscription for example: **AEMTopicSub** Or to be more generic **>** |  |
| Enable the Message Broker Service for Distribued Tracing<br><br>Cluster Manager → Manage → Advanced Option |  |

| Explanation | Screenshot |
|---|---|
| "Enable" Distribued Tracing |  |
| Once enabled the system allows you to deploy the configuration from the step Configure the Message Broker (step before), therefore click on Deploy Configuration. |  |
| Select the Tracing Destination "***DefaultDistributedTracing***"<br><br>**Deploy**<br><br>The Message Broker will register itself top the underlying Tracing Destination. This setup can take some seconds. |  |

| Explanation | Screenshot |
| --- | --- |
| Done |  |
| Part 2 | |
| Publish via REST API on API Topic and on API Queue |  |

| Explanation | Screenshot |
|---|---|
| |  |
| Crosscheck in UI<br><br>Result: at least *2 messages via API created Queues* |  |
| Check trace in DataDog<br><br>Go to: Insights → View in Datadog |  <br>  |

| Explanation | Screenshot |
| --- | --- |
| Navigate on the left side to: APM (Advanced Performance Monitoring) – Traces - Explorer |  |
| Check your Trace files.<br><br>Per default number of basis filters are available.<br><br>Date & Time information<br>Status: Error or Ok<br>Error details ( in case of errors)<br>Span kind etc. |  |
| **Congratulations! You successfully completed the Exercise** | |