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1   Overview of Replay within SAP AEM

Within SAP AEM, you can enable 'replay' such that all (or selected) messages will be stored in the replay log. These events are then available to be 'replayed' at any point in the future. The idea is that there may be specific messages that you know you want to send into AEM again without having to re-send from the source.

The advantage of resending from the replay log is that you can be more targeted in terms of what you resend to AEM.

When you enable the replay log, you specify how much space (spool space) you want to allocate for the purposes of replay. The amount of spool you allocate to replay means that space is not available for the storage of persistent (guaranteed) messages. You can allocate spool up to 6TB to the replay log

There is no specific figure on how much spool space to allocate to replay as every use case is different. A rough guide on helping to figure this out is to consider the average size of messages for a particular topic, how many of these messages are sent to AEM daily, and how long you want to store these messages for.

So, if for a particular topic, the average message size sent to the topic is 1Kb, and 1 million of these messages are sent to AEM daily, and you want to be able to have access to the last 60 days' worth of these messages, the amount of spool space required would be:
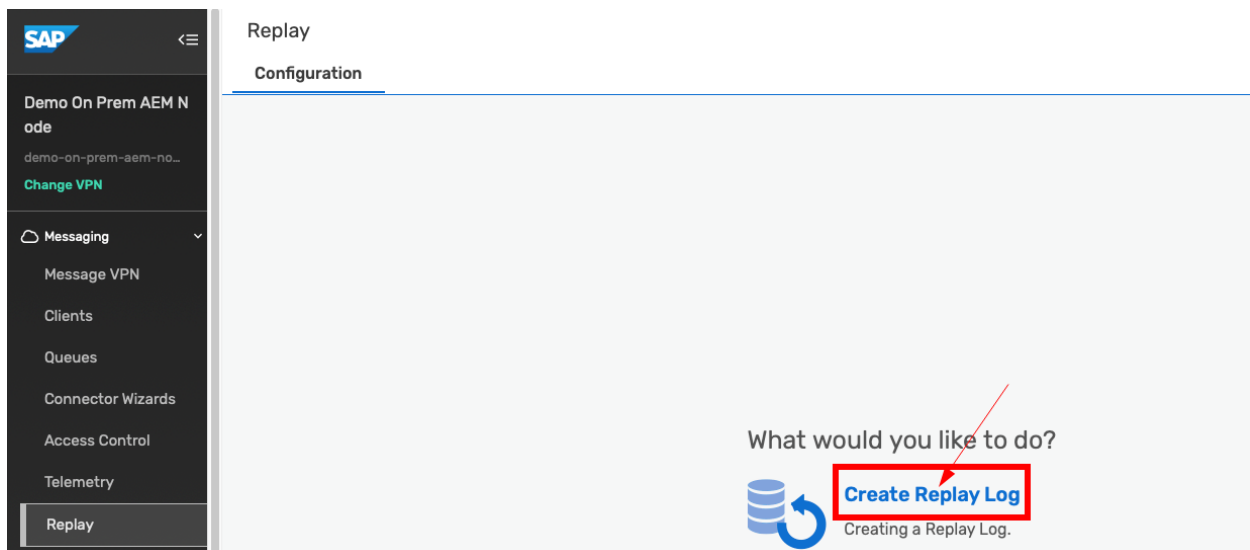
1KB * 1000000 * 60 = 60,000MB (60GB)

2   Activating Replay on AEM

2.1   Go to the Replay Log menu

From Cluster Manager, you select Manage, then Replay
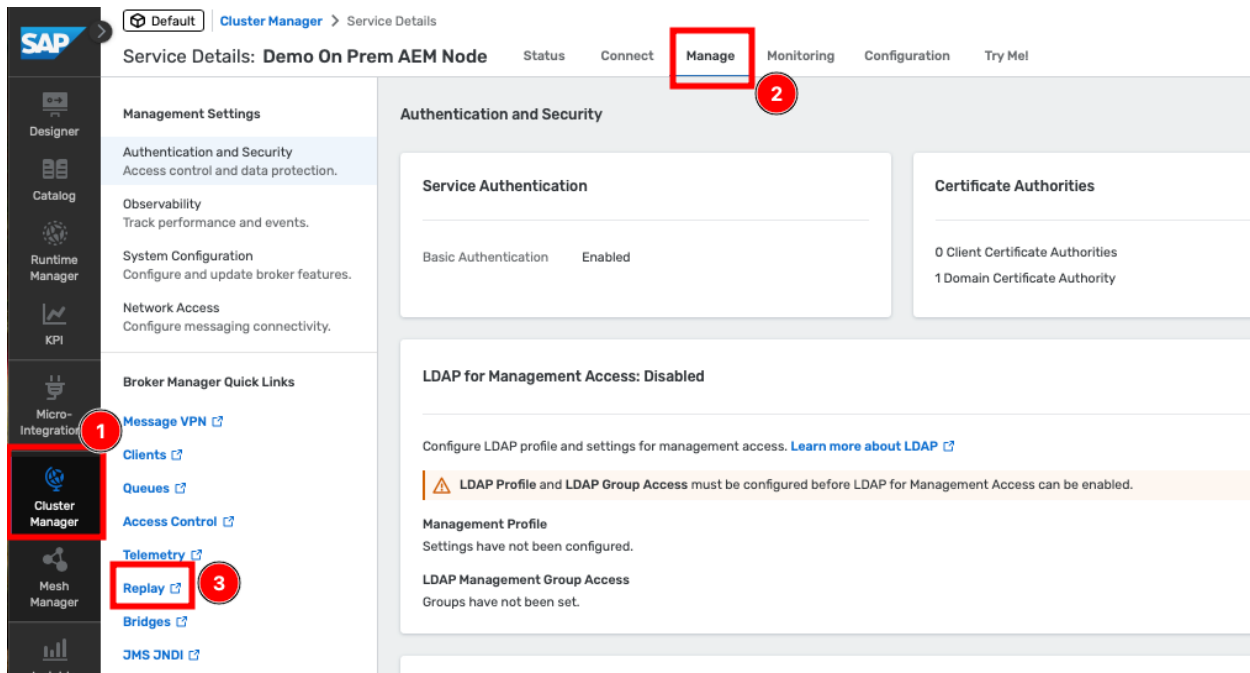
2.2   Create the Replay Log

2.3 Configure Replay

Specify spool space to be allocated and enable topic filtering


2.4 Replay Log created

After you click on Apply above, the replay log has now been created and you will see a screen like the one below
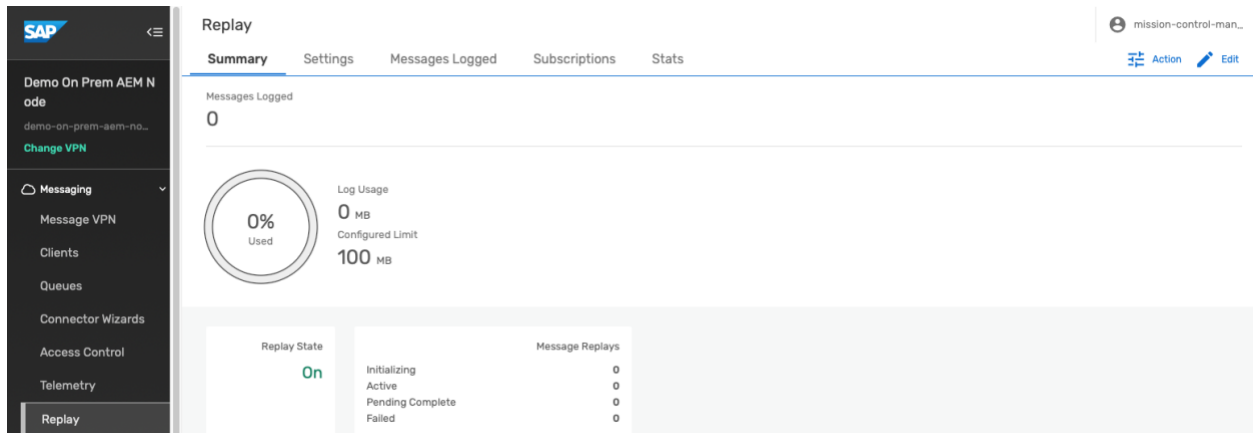
2.5 Specify the events to be captured
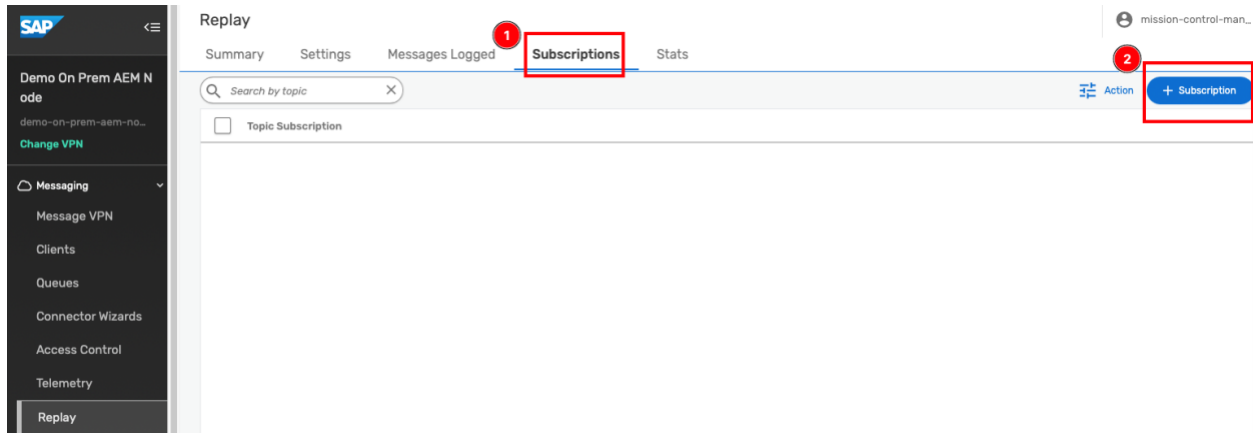
In the dialogue box that now appears, specify the topics you are interested in. For the purposes of this workshop, we will specify all topics by using the wildcard since the volume of messages will be small. In real life on your actual AEM instances, you should carefully consider which topics you need.
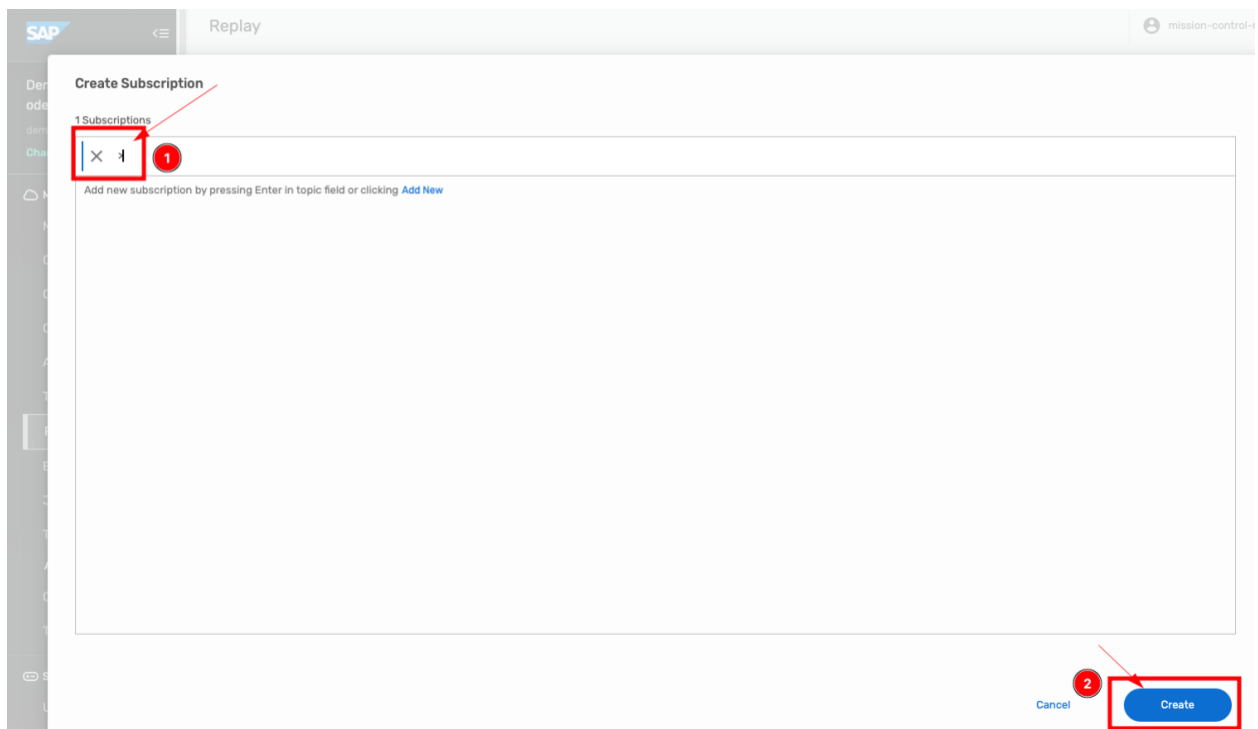
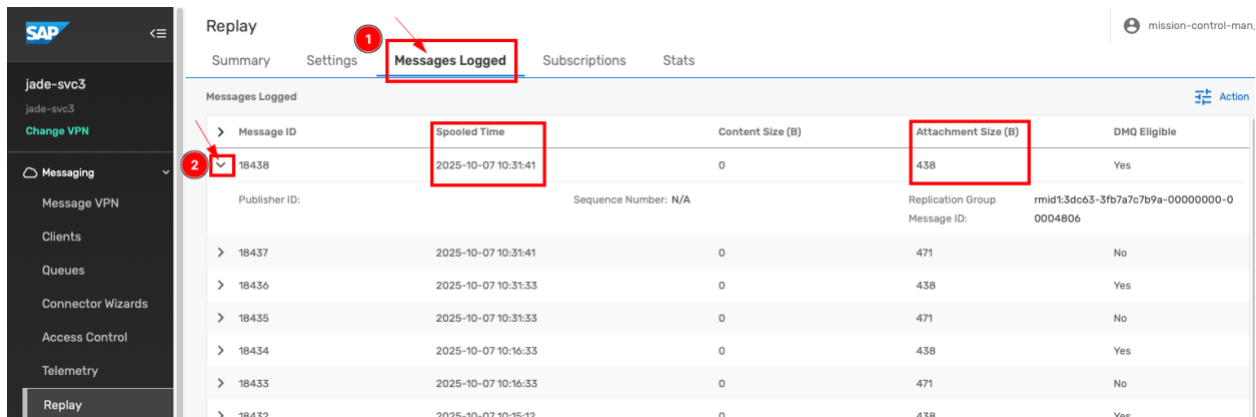## 2.6 Replay Log is now set to capture all events in SAP AEM

As you publish events to your AEM instance, you will now start to see the message count increasing in your Replay Log
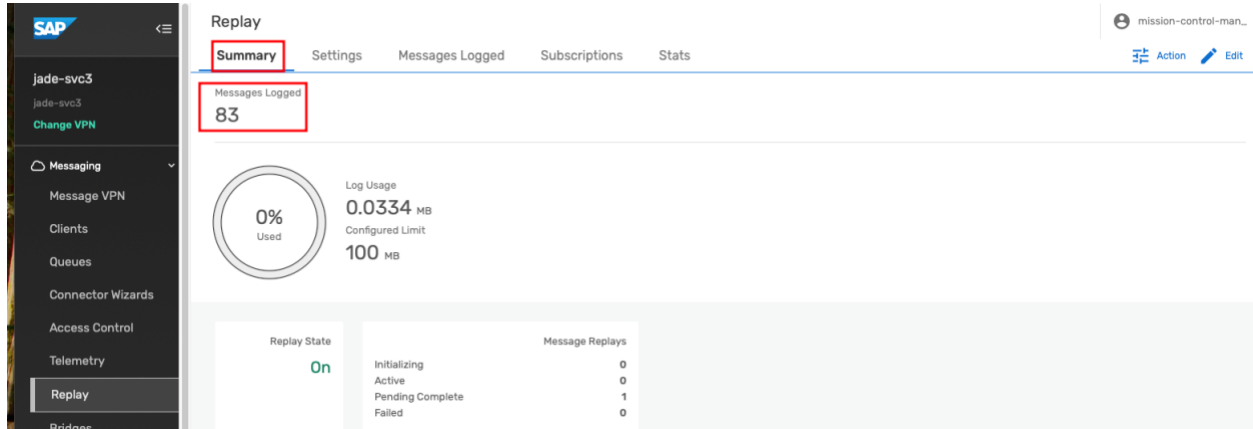
3   Looking around Replay Log

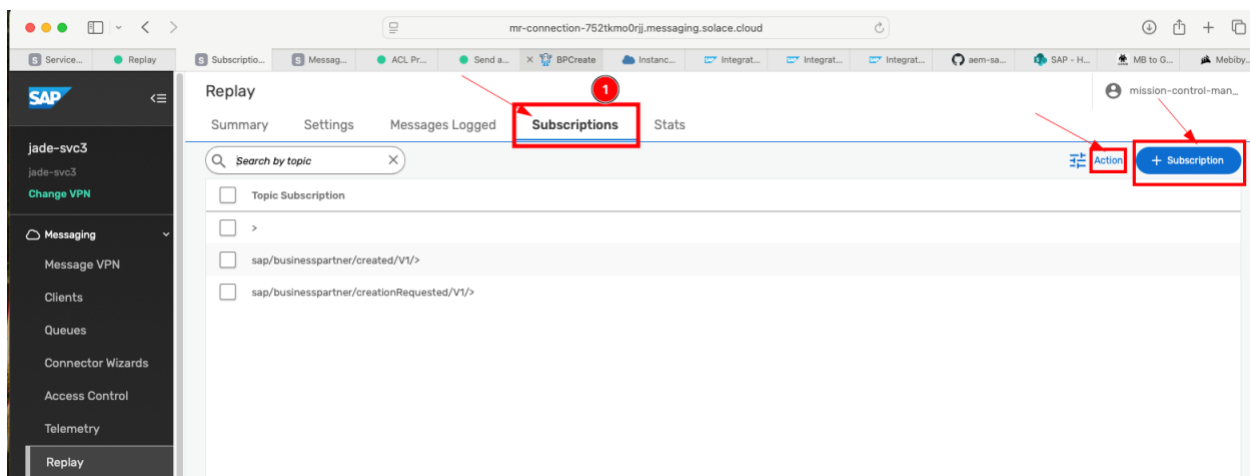## 3.1   Summary of messages captured in Replay Log

You can see a summary (size, time captured) of the messages that have been captured. You won't see the actual content of the messages due to the intentional security restrictions of the SAP AEM platform.

3.2   Topic Subscriptions being captured by Replay Log

You can also see which topic subscriptions are being captured and remove them or add to the list
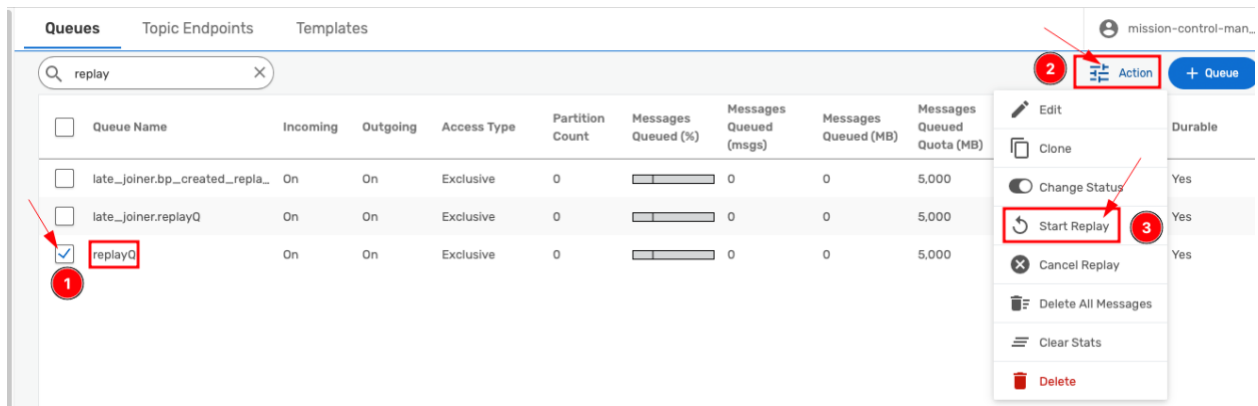
4 Replaying Events

You replay events by selecting a queue that has the relevant topic that your events have been published to.
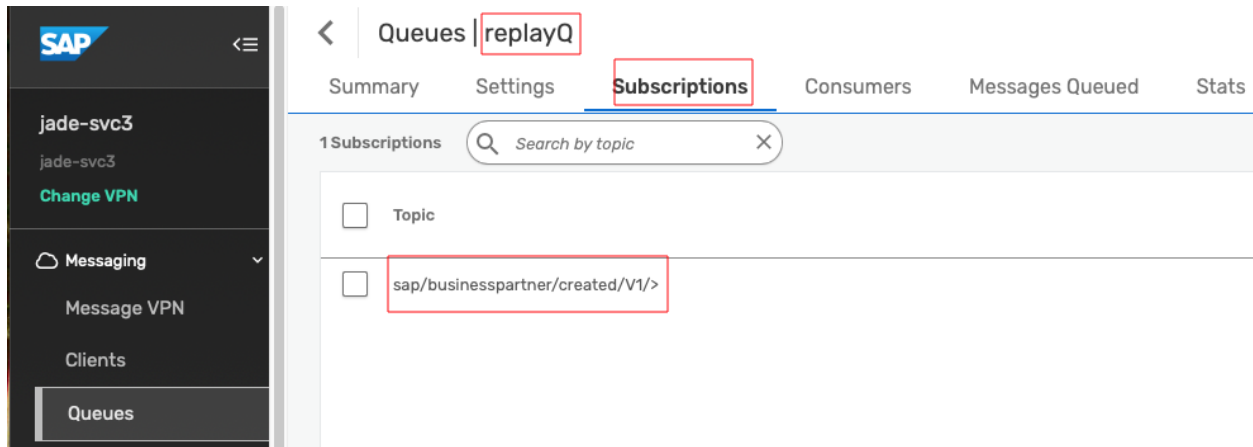
4.1 Select range of replay records

When choosing which records to replay, you can select all available events, a specific date range, or starting from a specific id:

Start Replay

Messages will be replayed from the oldest message. All messages stored on the Queue will be deleted prior to replay, and bound clients will be disconnected. Upon starting the message replay, any replay already in progress on the Queue will be cancelled. Are you sure?

Cancel   Start Replay

Once you start the replay, all related replay events for the selected topic will be replayed to the target queue. Note that the events will still be available in the replay log until they are deleted or they are purged.

	Queue Name	Incoming	Outgoing	Access Type	Partition Count	Messages Queued (%)	Messages Queued (msgs)	Messages Queued (MB)	Messages Queued Quota (MB)	Consume...	Replay State	Durable
☐	late_joiner.bp_created_repla...	On	On	Exclusive	0		0	0	5,000	1	Complete	Yes
☐	late_joiner.replayQ	On	On	Exclusive	0		0	0	5,000	0	Complete	Yes
☑	replayQ	On	On	Exclusive	0		39	0	5,000	0	Pending Complete	Yes