oduct or feature is in a pre-release state and might change or have limited support. For more information, see the pr
stages (/products/#product-launch-stages).

This page describes how to create a service level objective (SLO). Refer to Designing SLOs (/service-mesh/docs/observability/design-slo) for background information and recommendations.

To create an SLO:

1. Go to the **Health** tab for a service:
    a. In the Google Cloud Console, go to the **Anthos Service Mesh** page.

    Go to the Anthos Service Mesh page (https://console.cloud.google.com/services)

    b. Select the Cloud project from the drop-down list on the menu bar.
    c. If you have more than one service mesh, select the mesh from the **Service Mesh** drop-down list.
    d. Click the service that you want to create an SLO for.
    e. In the left navigation bar, click **Health**.
2. Click the **Create an SLO** link.
3. Click **SLI Type** to select the type of service level indicator (SLI) to track for this SLO. Choose one of the following:
    - **Availability**: The ratio of the number of successful responses to the number of all responses. Requests that fail before they reach the Envoy sidecar proxy for your service (because of networking or DNS failures, for example) aren't included in this ratio.
    - **Latency**: The ratio of the number of calls that are below the specified **Latency Threshold** to the number of all calls.
4. For latency SLIs, enter the **Latency Threshold** in milliseconds.
5. In the **SLO Goal** section, enter a percentage in the **Compliance target** field to set the performance target for the SLI. Service Mesh uses this value to calculate the error budget (/service-mesh/docs/observability/design-slo#error_budgets) you have for this SLO.

6. In the **Compliance Period** section, select the **Period Type** and the **Period Length**. See Compliance periods (/service-mesh/docs/observability/design-slo#compliance_periods) for more information on these settings.
7. Optionally, select **Add a Windowed SLI**. A windowed SLI can help you catch periods of time when the service won't meet the SLO **Compliance target** (such as when there are spikes in the number of requests that increase latency for a short period of time). When you select this option, you must specify:
   - **Window Target**: Enter a percentage target for each window.
   - **Window Duration:** Enter the length of time over which SLO performance will be measured in increments during the compliance period.

   For example, suppose you have an **Availability** SLO with a **Rolling 7** day period, and an **SLO Goal** of **99**%. Then you add a **Window Target** of **95**% and a **Window Duration** of **5** minutes. To be compliant, the service needs **95**% of all **5** minute windows over the last **7** days to be available at least **99**% of the time.
8. Optionally, click **Name your SLO** to change the default SLO display name. Anthos Service Mesh supplies a default name that describes the SLO based on the settings.
9. Click **Submit**.

- Monitoring SLOs (/service-mesh/docs/observability/monitor-slo)
- Creating an alerting policy on an SLO (/service-mesh/docs/observability/alert-policy-slo)