Serverless Computing (https://cloud.google.com/products/serverless/)
Cloud Run: Serverless Computing (https://cloud.google.com/run/)
Documentation (https://cloud.google.com/run/docs/) Guides

Rollbacks, gradual rollouts, and traffic migration

Note: Cloud Run (fully managed) does not yet support the features described in this page.

Cloud Run for Anthos allows you to specify which revisions should receive traffic and to specify traffic percentages that are received by a revision. This feature allows you to rollback to a previous revision, gradually roll out a revision, and split traffic between multiple revisions. This page describes how to use this feature to manage traffic to your Cloud Run for Anthos revisions.

Rolling back to a previous revision

To roll back to a previous revision:

CONSOLE   COMMAND LINE

1. **GO TO CLOUD RUN** (HTTPS://CONSOLE.CLOUD.GOOGLE.COM/RUN)

2. Locate the service in the services list, and click on it.

3. Click the *Revisions* tab to show the list of current revisions for that service.

4. In the list of revisions, click the ellipsis icon to the right of the revision you are rolling back:

5. Click **Manage Traffic** to display the manage traffic form:

    a. Select the previous revision you want to roll back to in the dropdown list.

    b. Set that previous revision's traffic percentage to 100.

    c. Set the currently serving revision's percentage to 0.

    d. Click **Save**.

Gradually rolling out a revision

To roll out a new revision gradually:

CONSOLE	COMMAND LINE

1. **GO TO CLOUD RUN** (HTTPS://CONSOLE.CLOUD.GOOGLE.COM/RUN)

2. Locate the service in the services list, and click on it.

3. Click **Deploy New Revision**.

4. Fill out the deploy form as needed, but make sure the checkbox labelled *Serve this revision immediately* is UNCHECKED.

5. Click **Deploy**.

6. Click **Manage Traffic**.

7. The new revision is listed but with a 0 percentage set: it is currently not serving any traffic. In the form:

a. Set it to the desired percentage, for example, 5. Note that the currently serving version's percentage is automatically reduced by that same amount.

b. Click **Save**.

c. Repeat these *Manage Traffic* steps but with changed percentages, increasing the percentage as needed for the new revision. You do not need to redeploy to change the traffic percentages.

Splitting traffic between multiple revisions

To split traffic between two or more revisions:

CONSOLE   COMMAND LINE

1. **GO TO CLOUD RUN** (HTTPS://CONSOLE.CLOUD.GOOGLE.COM/RUN)

2. Locate the service in the services list, and click on it.

3. Click **Manage Traffic**.

4. The currently serving new revision is listed. In the form:

    a. Set the currently serving revision percentage to the desired split.

    b. Select one of the previous revisions using the dropdown list and set it to the desired percentage split.

    c. To split traffic between more revisions, click **Add Revision**, select the desired revision, and set the percentage to the desired split.

    d. Click **Save**.

Sending all traffic to the latest revision

When you deploy a new revision, you can make this revision and all future ones serve 100% of the traffic as soon as possible, overriding any established traffic split:

CONSOLE   COMMAND LINE

1. **GO TO CLOUD RUN** (HTTPS://CONSOLE.CLOUD.GOOGLE.COM/RUN)

2. Locate the service in the services list, and click on it.

3. Click **Deploy New Revision**.

4. Fill out the deploy form as needed, making sure you check the checkbox labelled *Serve this revision immediately*. This will override any existing traffic splitting, with the new revision serving 100 percent of traffic.

5. Click **Deploy**.