

## 07-cleanup.md

### About

This module includes the cleanup of resources created for the lab.

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### 0. Prerequisites

#### 1. GCP Project Details

Note the project number and project ID.

We will need this for the rest fo the lab

#### 2. IAM Roles needed to create Persistent History Server

Grant the following permissions

- Viewer
- Dataproc Editor
- Storage Admin
- BigQuery DataEditor
- Composer Administrator
- Service Usage Admin

#### 3. Attach cloud shell to your project.

Open Cloud shell or navigate to [shell.cloud.google.com](https://shell.cloud.google.com)

Run the below command to set the project in the cloud shell terminal:

```
gcloud config set project $PROJECT_ID
```

### 1. Declare variables

We will use these throughout the lab.

Run the below in cloud shells coped to the project you selected-

```
PROJECT_ID= #Project ID
REGION= #Region to be used
BUCKET_PHS= #Bucket name for Persistent History Server
BUCKET_CODE=
BQ_DATASET_NAME=
ENVIRONMENT_NAME #Name of the DAGS Environment
LOCATION # Location of the DAG
PD_NAME = #name of the persistent disk for your environment
PD_LOCATION = #the location of the persistent disk. For example, the location can be [us-central1-a]
```

## 2. Delete buckets

Follow the commands to delete the following buckets

1. Bucket attached to spark history server
2. Bucket with code files

```
gcloud alpha storage rm --recursive gs://$BUCKET_PHS
gcloud alpha storage rm --recursive gs://$BUCKET_CODE
```

## 3. Delete Spark Persistent History Server

Run the below command to delete Spark PHS

```
gcloud dataproc clusters delete spark-phs \
  --region=${REGION}
```

## 4. Delete BQ Dataset

Run the below command to delete BQ dataset and all the tables within the dataset

```
gcloud alpha bq datasets delete $BQ_DATASET_NAME \
  --remove-tables
```

## 5. Delete Sessions

Select the sessions created as part of this lab and click on **Delete**

Sessions **PREVIEW** **TERMINATE** **DELETE**

**Filter** Enter property name or value

<input type="checkbox"/>	Session ID	Location	Status	Creation Time ↓
<input checked="" type="checkbox"/>	[REDACTED]	us-central1	Active	Apr 28, 2022, 11:28:32 AM

## 6. Delete Managed Notebook

Select the notebook created and click on delete.

Vertex AI

Workbench **NEW NOTEBOOK** **REFRESH** **START** **STOP** **RESET** **DELETE**

**MANAGED NOTEBOOKS** **USER-MANAGED NOTEBOOKS** **EXECUTIONS** **SCHEDULES**

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Region  
us-central1 (Iowa)

**Filter** Enter property name or value

<input type="checkbox"/>	<input type="checkbox"/>	Notebook name ↑		Location	Owner	Last modified
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	[REDACTED]	OPEN JUPYTERLAB	us-central1-a	Service account	29 Apr 2
<input type="checkbox"/>	<input type="checkbox"/>	[REDACTED]	OPEN JUPYTERLAB	us-central1-b	Service account	11 Apr 2