


Pub/Sub: Qwik Start - Console

Activate Cloud Shell

Cloud Shell is a virtual machine that is loaded with development tools. It offers a persistent 5GB home directory and runs on the Google Cloud. Cloud Shell provides command-line access to your Google Cloud resources.

1. Click **Activate Cloud Shell**  at the top of the Google Cloud console.
2. Click through the following windows:
 - Continue through the Cloud Shell information window.
 - Authorize Cloud Shell to use your credentials to make Google Cloud API calls.

When you are connected, you are already authenticated, and the project is set to your **Project_ID**, `qwiklabs-gcp-00-fc2bb7047e97`. The output contains a line that declares the **Project_ID** for this session:

```
Your Cloud Platform project in this session is set to quwiklabs-gcp-00-fc2bb7047e97
```

`gcloud` is the command-line tool for Google Cloud. It comes pre-installed on Cloud Shell and supports tab-completion.

3. (Optional) You can list the active account name with this command:

```
gcloud auth list
```

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```
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```

4. Click **Authorize**.

Output:

```
ACTIVE: *
ACCOUNT: student-01-7faeb1fd645d@qwiklabs.net

To set the active account, run:
$ gcloud config set account `ACCOUNT`
```

5. (Optional) You can list the project ID with this command:

```
gcloud config list project
```

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Output:

```
[core]  
project = qwiklabs-gcp-00-fc2bb7047e97
```

Task 1. Setting up Pub/Sub

To use Pub/Sub, you create a topic to hold data and a subscription to access data published to the topic.

1. From the **Navigation menu** () click **View All Products**. Go to **Analytics** section, click **Pub/Sub > Topics**.
2. Click **Create topic**.
3. The topic must have a unique name. For this lab, name your topic `MyTopic`. In the **Create a topic** dialog:
 - For **Topic ID**, type `MyTopic`.
 - Leave other fields at their default value.
 - Click **Create**.

Task 2. Add a subscription

Now you'll make a subscription to access the topic.

1. Click **Topics** in the left panel to return to the **Topics** page. For the topic you just made click the three dot icon > **Create subscription**.
2. In the **Add subscription to topic** dialog:
 - Type a name for the subscription, such as MySub
 - Set the Delivery Type to **Pull**.
 - Leave all other options at the default values.
3. Click **Create**.