

Get Started with Pub/Sub:

Challenge Lab

Task 1

[Publish a message to the topic](#)

1. First create a new Cloud Pub/Sub subscription '**pubsub-subscription-message**' for a given topic '**gcloud-pubsub-topic**'.

Now publish a message '**Hello World**' to the pre-created topic named as '**gcloud-pubsub-topic**'.

```
TOPIC_NAME="gcloud-pubsub-topic"
```

```
SUBSCRIPTION_NAME="pubsub-subscription-message"
```

```
MESSAGE="Hello World"
```

```
gcloud pubsub topics create $TOPIC_NAME --quiet || echo "Topic already exists."
```

```
gcloud pubsub subscriptions create $SUBSCRIPTION_NAME \  
--topic=$TOPIC_NAME --quiet || echo "Subscription already exists."
```

Task 2

[View the message](#)

1. For this task, you need to verify that Cloud Pub/Sub is able to pull the messages you have published in the previous task

```
gcloud pubsub subscriptions pull pubsub-subscription-message --limit 5
```

Note: In case you're unable to view pre-created resources as per the task description, "your Google Cloud resources are still being provisioned, please refresh the page and try again in a few minutes." If you do, just wait a short time and reload your page.

1. Now publish a fresh message

bash

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```
gcloud pubsub topics publish gcloud-pubsub-topic \
  --message="Hello World"
```

2. Now pull the message

bash

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```
gcloud pubsub subscriptions pull pubsub-subscription-message \
  --limit=5 --auto-ack
```

Task 3

Create a Pub/Sub Snapshot for Pub/Sub topic

1. Create a pub/sub snapshot with snapshot id '**pubsub-snapshot**' of the pre-created pub/sub subscription **gcloud-pubsub-subscription**.

Note: In case you're unable to view pre-created resources as per the task description, "your Google Cloud resources are still being provisioned, please refresh the page and try again in a few minutes." If you do, just wait a short time and reload your page.

```
gcloud pubsub snapshots create pubsub-snapshot \
  --subscription=gcloud-pubsub-subscription
```