

Clase 35

Item 1

Linux pub 6.1.0-40-cloud-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.1.153-1 (2025-09-20) x86_64

The programs included with the Debian GNU/Linux system are free software; the exact distribution terms for each program are described in the individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent permitted by applicable law.

contla_mota_luisandres@pub:~\$ gcloud pubsub topics list

name: projects/ordinal-brace-475119-t5/topics/new_transaction

contla_mota_luisandres@pub:~\$ gcloud pubsub topics publish new_transaction --message="Primera publicación"

MessageId: - '17056051094603499'

contla_mota_luisandres@pub:~\$ gcloud pubsub topics publish new_transaction --message="Clase Sistemas Distribuidos en línea"

MessageId: - '17055951961897643'

contla_mota_luisandres@pub:~\$ gcloud pubsub topics publish new_transaction --message="Hola mundo desde Pub"

MessageId: - '17056426787902681'

contla_mota_luisandres@pub:~\$ gcloud pubsub topics publish new_transaction --message="Ya hace hambre"

MessageId: - '17056315511038050'

contla_mota_luisandres@pub:~\$

Linux sub 6.1.0-40-cloud-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.1.153-1 (2025-09-20) x86_64

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contla_mota_luisandres@sub:~\$ gcloud pubsub subscriptions pull new_transaction-sub --auto-ack

DATA	MESSAGE_ID	ORDERING_KEY	ATTRIBUTES	DELIVERY_ATTEMPT	ACK_STATUS
Primera publicación	17056051094603499				SUCCESS

contla_mota_luisandres@sub:~\$ gcloud pubsub subscriptions pull new_transaction-sub --auto-ack

DATA	MESSAGE_ID	ORDERING_KEY	ATTRIBUTES	DELIVERY_ATTEMPT	ACK_STATUS
Clase Sistemas Distribuidos en línea	17055951961897643				SUCCESS

contla_mota_luisandres@sub:~\$ gcloud pubsub subscriptions pull new_transaction-sub --auto-ack

DATA	MESSAGE_ID	ORDERING_KEY	ATTRIBUTES	DELIVERY_ATTEMPT	ACK_STATUS
Hola mundo desde Pub	17056426787902681				SUCCESS

contla_mota_luisandres@sub:~\$ gcloud pubsub subscriptions pull new_transaction-sub --auto-ack

DATA	MESSAGE_ID	ORDERING_KEY	ATTRIBUTES	DELIVERY_ATTEMPT	ACK_STATUS
Ya hace hambre	17056315511038050				SUCCESS

contla_mota_luisandres@sub:~\$

Item 2

contla_mota_luisandres@pub:~\$ for i in {1..10}; do

> gcloud pubsub topics publish new_transaction --message="Pedido #\${i}"

> done

MessageId: - '17054238060374331'

MessageId: - '17055897557784347'

MessageId: - '17056315183495728'

MessageId: - '1705633815167097'

MessageId: - '1705672874261103'

MessageId: - '17057072089714009'

MessageId: - '17058523301137782'

MessageId: - '1705636933060882'

MessageId: - '17055450437441562'

MessageId: - '17055281899607010'

contla_mota_luisandres@pub:~\$

contla_mota_luisandres@sub:~\$ while true; do gcloud pubsub subscriptions pull new_transaction-sub --auto-ack --limit=1 --format="value(DATA)"; sleep 1; done

Pedido #1

Pedido #3

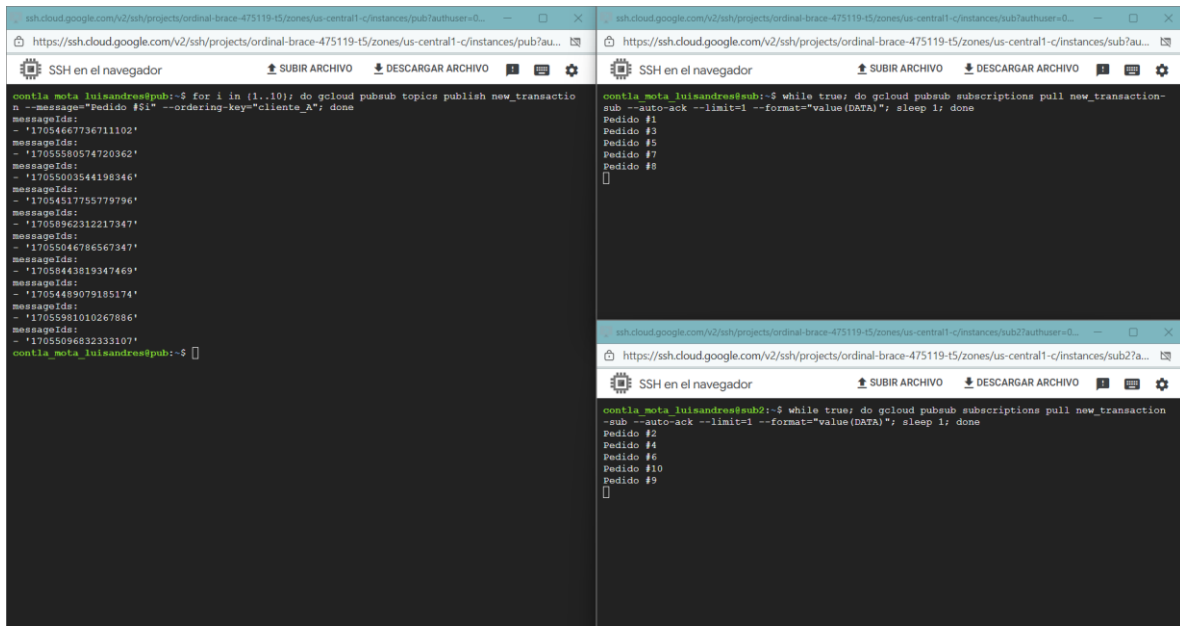
Pedido #5

Pedido #7

Pedido #9

contla_mota_luisandres@sub:~\$

Ítem 3

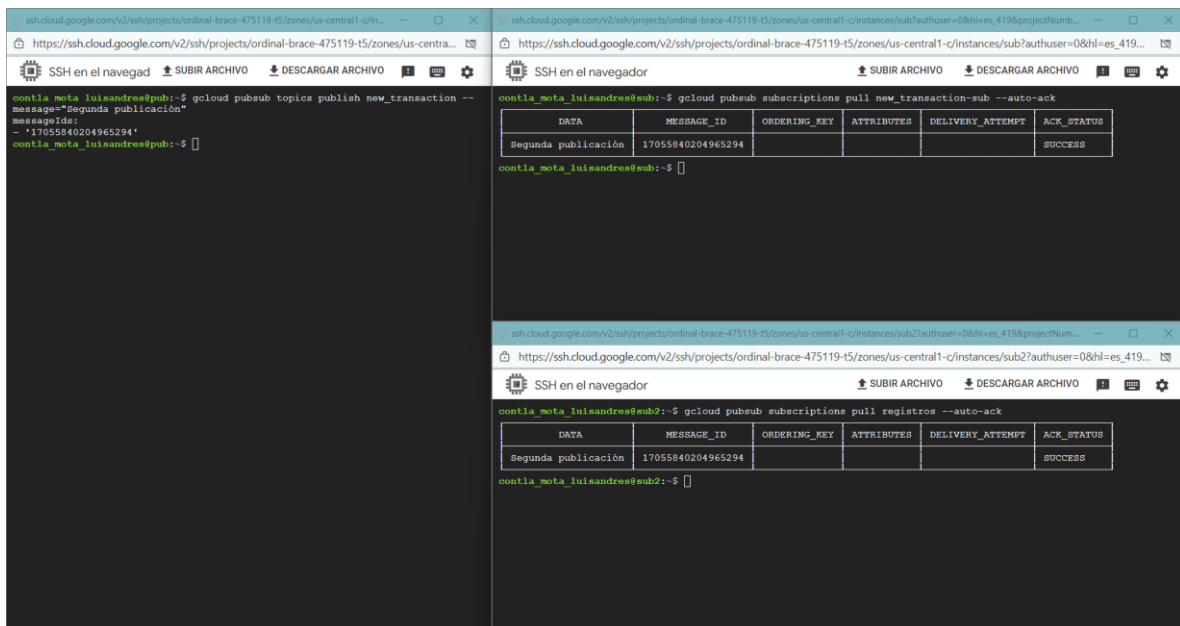


The image shows two terminal windows side-by-side, both connected to a Google Cloud instance via SSH. The left window shows a user publishing messages to a topic named 'new_transaction' using the 'gcloud pubsub topics publish' command. The output lists ten messages with IDs ranging from '17054667736711102' to '17055981010267886'. The right window shows a user pulling messages from a subscription named 'new_transaction-sub' using the 'gcloud pubsub subscriptions pull' command. The output shows a list of messages with IDs 'Pedido #1' through 'Pedido #8'.

```
contla_mota_luisandres@pubi:~$ for i in {1..10}; do gcloud pubsub topics publish new_transaction --message="Pedido #${i}" --ordering-key="cliente_A"; done
messageId:
- '17054667736711102'
messageId:
- '17055580574720362'
messageId:
- '17055003544198346'
messageId:
- '17054917755779796'
messageId:
- '17058962312217347'
messageId:
- '17055046786567347'
messageId:
- '17058443819347469'
messageId:
- '17054489079185174'
messageId:
- '17055981010267886'
messageId:
- '17055096832333107'
contla_mota_luisandres@pubi:~$

contla_mota_luisandres@sub:~$ while true; do gcloud pubsub subscriptions pull new_transaction-sub --auto-ack --limit=1 --format="value(DATA)"; sleep 1; done
Pedido #1
Pedido #3
Pedido #5
Pedido #7
Pedido #8
[]
```

Ítem 4



The image shows two terminal windows side-by-side, both connected to a Google Cloud instance via SSH. The left window shows a user publishing a message to a topic named 'new_transaction' using the 'gcloud pubsub topics publish' command. The output shows a single message with ID '17055840204965294'. The right window shows a user pulling messages from a subscription named 'new_transaction-sub' using the 'gcloud pubsub subscriptions pull' command. The output shows a table with columns: DATA, MESSAGE_ID, ORDERING_KEY, ATTRIBUTES, DELIVERY_ATTEMPT, and ACK_STATUS. The table contains one row with the data 'Segunda publicación' and MESSAGE_ID '17055840204965294'.

```
contla_mota_luisandres@pubi:~$ gcloud pubsub topics publish new_transaction --message="Segunda publicación"
messageId:
- '17055840204965294'
contla_mota_luisandres@pubi:~$

contla_mota_luisandres@sub:~$ gcloud pubsub subscriptions pull new_transaction-sub --auto-ack
DATA      MESSAGE_ID  ORDERING_KEY  ATTRIBUTES  DELIVERY_ATTEMPT  ACK_STATUS
Segunda publicación  17055840204965294  [REDACTED]  [REDACTED]  [REDACTED]  SUCCESS
```