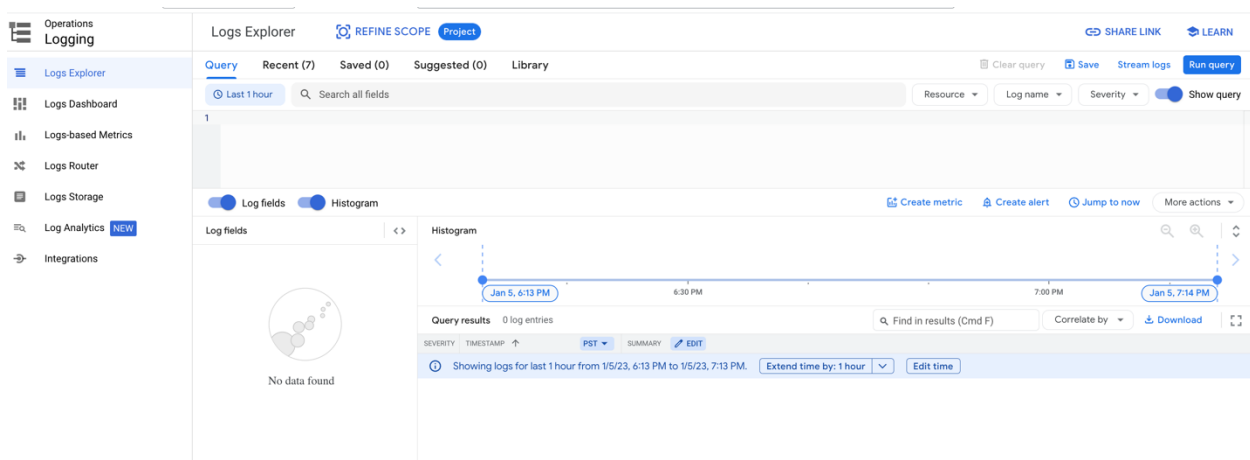


## Exercise: Searching logs for error messages

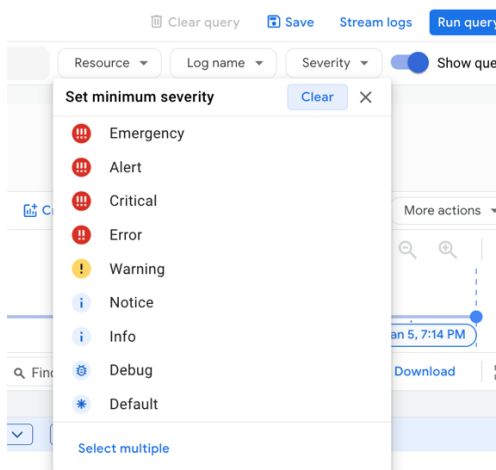
In this exercise, you will:

- Navigate to Cloud Logging console page
- Specify a severity
- Add term to the query
- View results and expand details

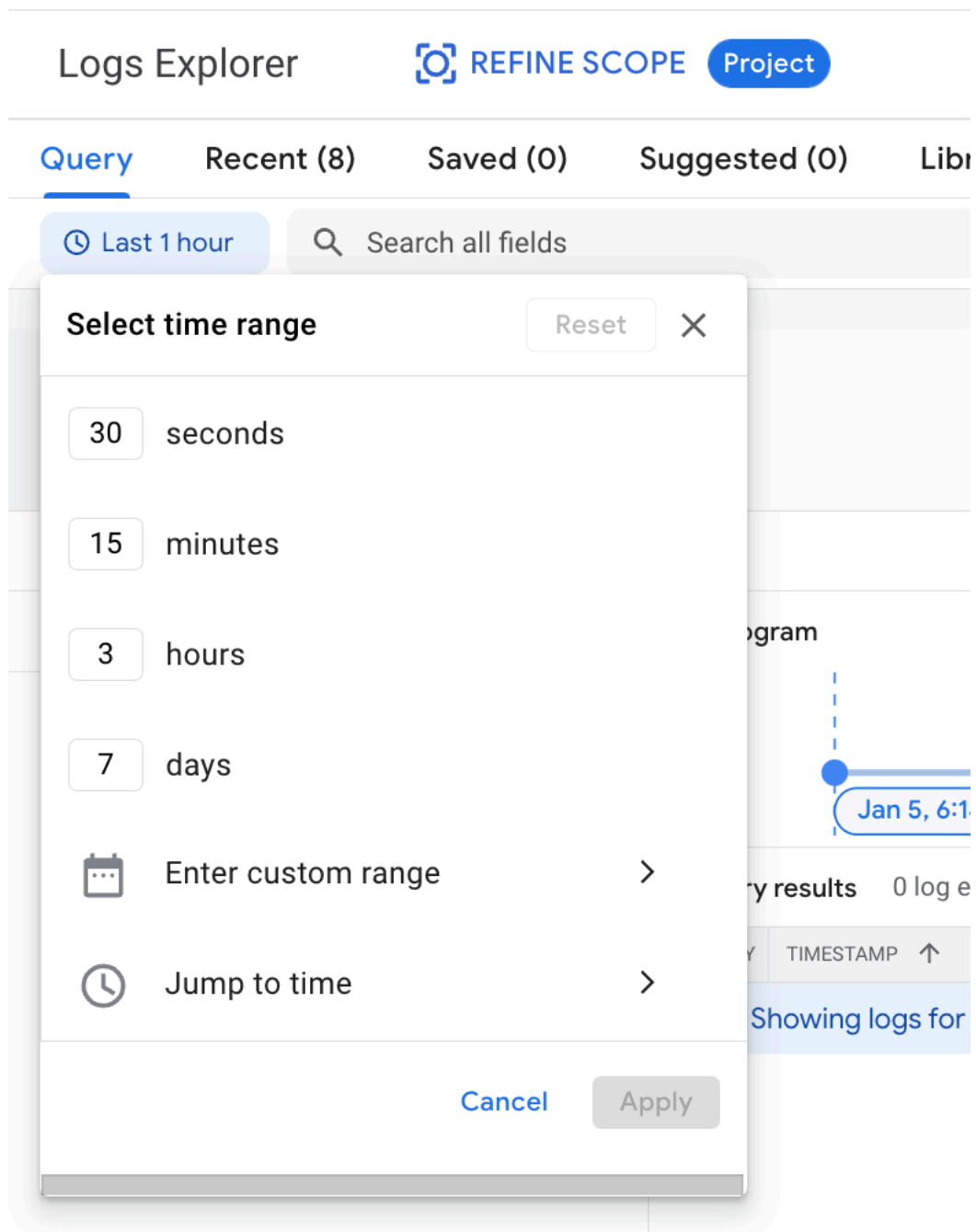
Navigate to the Cloud Logging console page to see a page such as shown in Figure 1.



**Figure 1. Cloud Logging console page.**



**Figure 2. Drop down list of severity options**



**Figure 3. Drop down list of time range options.**

Choose 7 days as the time range.

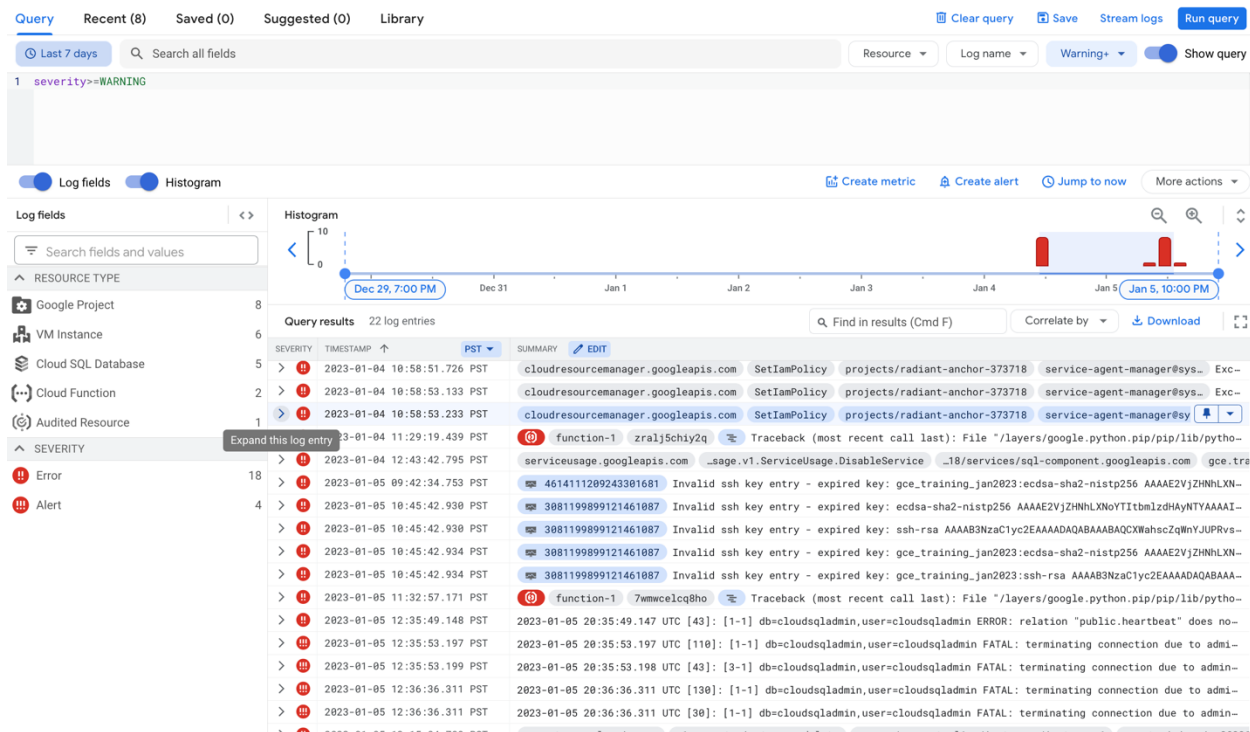


Figure 4. Listing of warnings and more severe error message from the past 7 days.

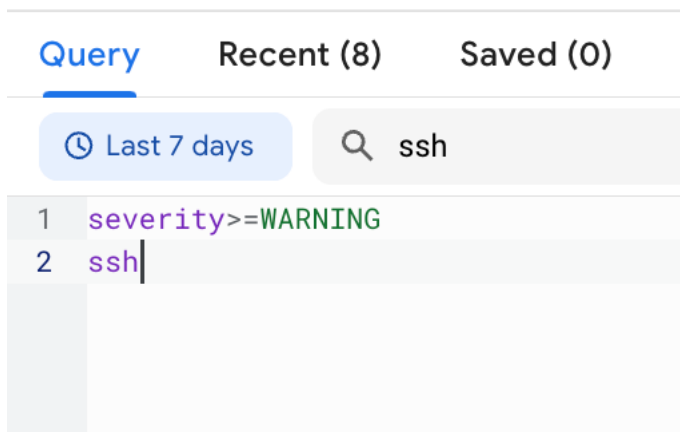


Figure 5. Adding additional search criteria. In this example, SSH.

Click Run Query in the upper right corner (Figure 6) to update the list of log messages. (Figure 7)

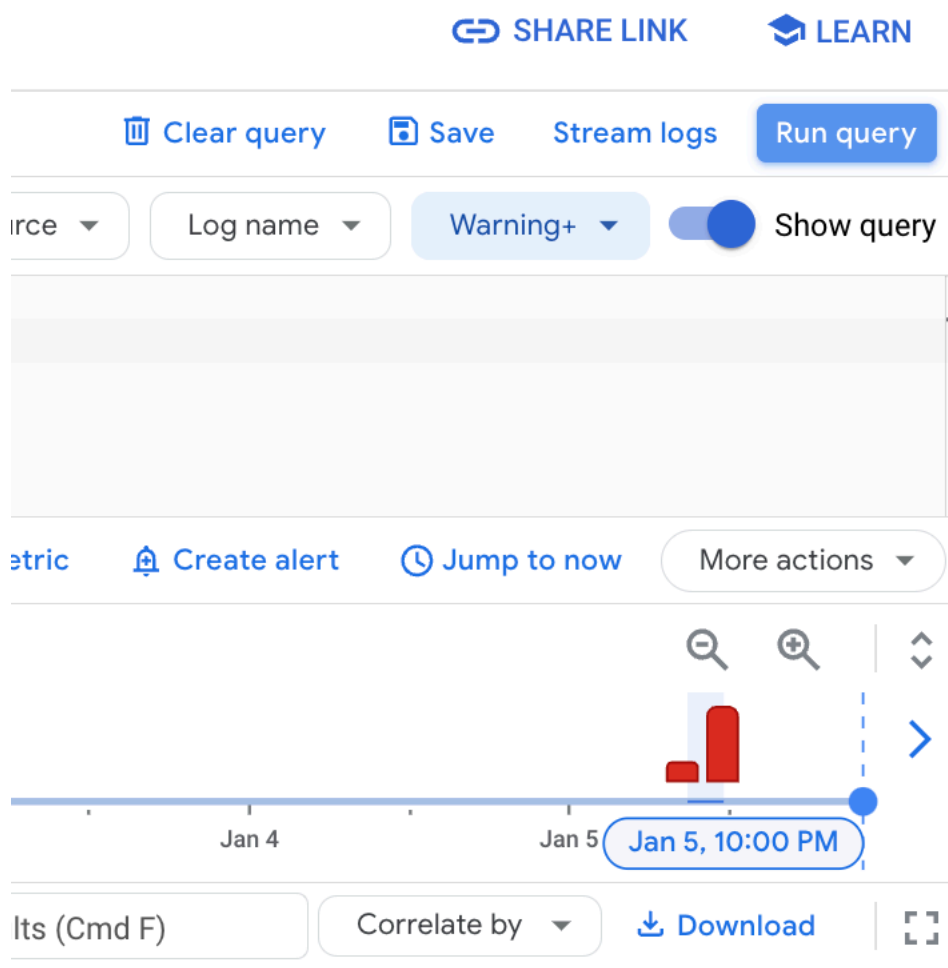


Figure 6. Run Query button in upper right.

Query results

5 log entries

Find in results (Cmd F)

Correlate by

Download

SEVERITY

TIMESTAMP

↑

PST

SUMMARY

EDIT

Showing logs for last 7 days from 12/29/22, 7:17 PM to 1/5/23, 7:17 PM.

Extend time by: 1 day

Edit time

>

!!

2023-01-05 09:42:34.753 PST

4614111209243301681

Invalid ssh key entry - expired key: gce\_training\_jan2023:ecdsa-sha2-nistp256 AAAAE2VjZHNhLXNoY...

>

!!

2023-01-05 10:45:42.930 PST

3081199899121461087

Invalid ssh key entry - expired key: ecdsa-sha2-nistp256 AAAAE2VjZHNhLXNoYTIibm1zdHayNTYAAAAIbm...

>

!!

2023-01-05 10:45:42.930 PST

3081199899121461087

Invalid ssh key entry - expired key: ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQCWahscZqWnYJUPRvsL9...

>

!!

2023-01-05 10:45:42.934 PST

3081199899121461087

Invalid ssh key entry - expired key: gce\_training\_jan2023:ecdsa-sha2-nistp256 AAAAE2VjZHNhLXNoY...

>

!!

2023-01-05 10:45:42.934 PST

3081199899121461087

Invalid ssh key entry - expired key: gce\_training\_jan2023:ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQABA...

Figure 7. Updated list of messages filtered to include warnings and SSH in the message.

Click the > sign at the beginning of a message to expand the view of details as shown in Figure 8.

Showing logs for last 7 days from 12/29/22, 7:17 PM to 1/5/23, 7:17 PM. [Extend time by: 1 day](#) [Edit time](#)

2023-01-05 09:42:34.753 PST 4614111209243301681 Invalid **ssh** key entry - expired key: gce\_training\_jan2023:ecdsa-sha2-nistp256  
AAAAE2VjZHNhLXNoYTItbmlzdHAyNTYAAAAIbmlzdHAyNTYAAABBBFFo2ahbvjCZfwoNb6XP3fD72Ds2QIYrLovgQ4U5w4XDlnyO+1GhMpxEVnaZUF7HdWhf  
google-ssh {"userName":"gce.training.jan2023@gmail.com","expireOn":"2023-01-05T17:42:33+0000"}

[Hide log summary](#) [Expand nested fields](#) [Copy to clipboard](#) [Copy link](#) [Similar entries](#)

```
{
  insertId: "1ndzoj3f5h6r68"
  jsonPayload: {
    localTimestamp: "2023-01-05T17:42:34.7535Z"
    message:
      "Invalid ssh key entry - expired key: gce_training_jan2023:ecdsa-sha2-nistp256
      AAAAE2VjZHNhLXNoYTItbmlzdHAyNTYAAAAIbmlzdHAyNTYAAABBBFFo2ahbvjCZfwoNb6XP3fD72Ds2QIYrLovgQ4U5w4XDlnyO+1GhMpxEVnaZUF7HdWhfapmePfrFF8xh3pcB0U= google-ssh
      {"userName":"gce.training.jan2023@gmail.com","expireOn":"2023-01-05T17:42:33+0000"}"
    omitempty: null
  }
  labels: {1}
  logName: "projects/radiant-anchor-373718/logs/GCEGuestAgent"
  receiveTimestamp: "2023-01-05T17:42:35.771590647Z"
  resource: {2}
  severity: "ERROR"
  sourceLocation: {3}
  timestamp: "2023-01-05T17:42:34.753645037Z"
}
```

**Figure 8. Expanded view of an error message.**