An Introduction to Cloud Shell

(in less than 5 minutes)

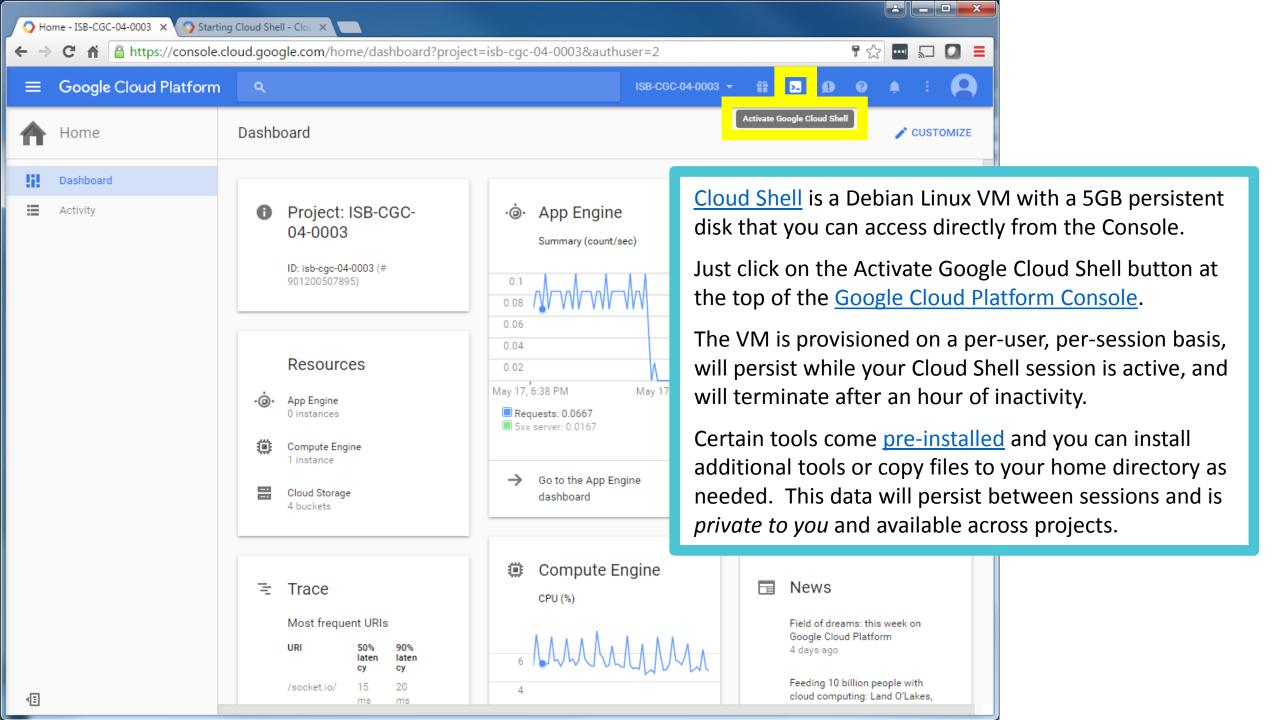
brought to you by

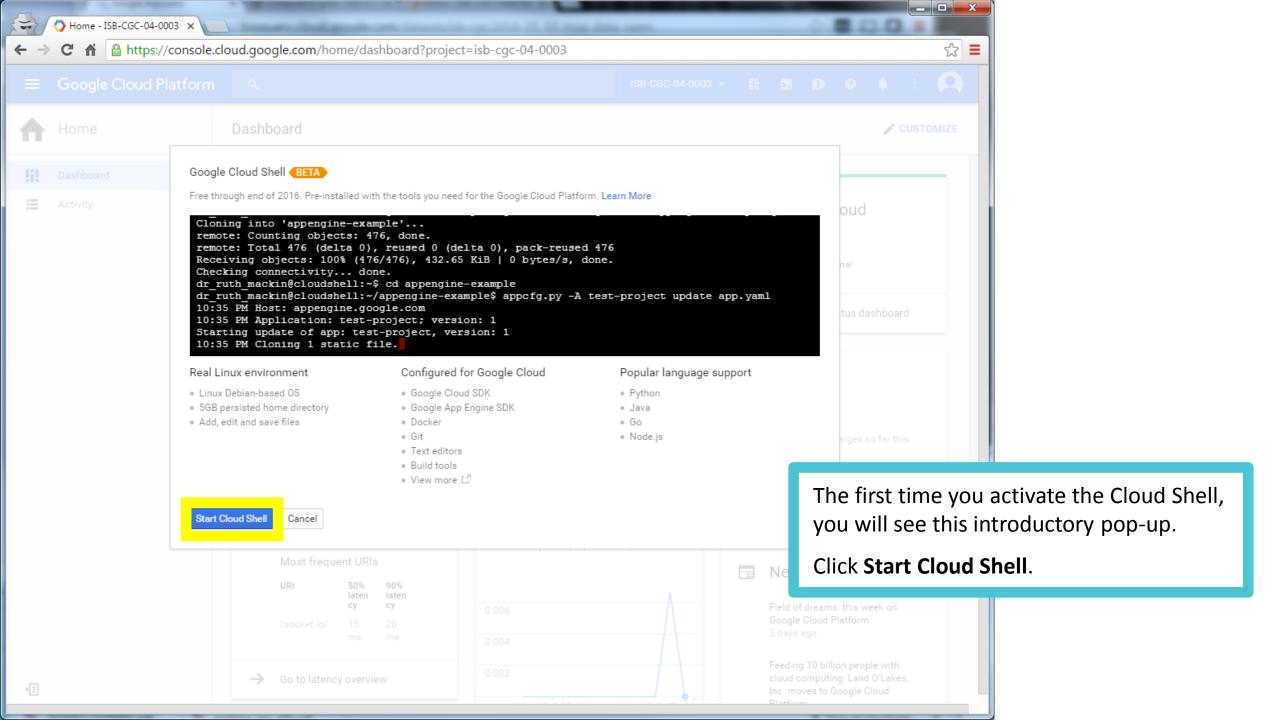
The ISB Cancer Genomics Cloud

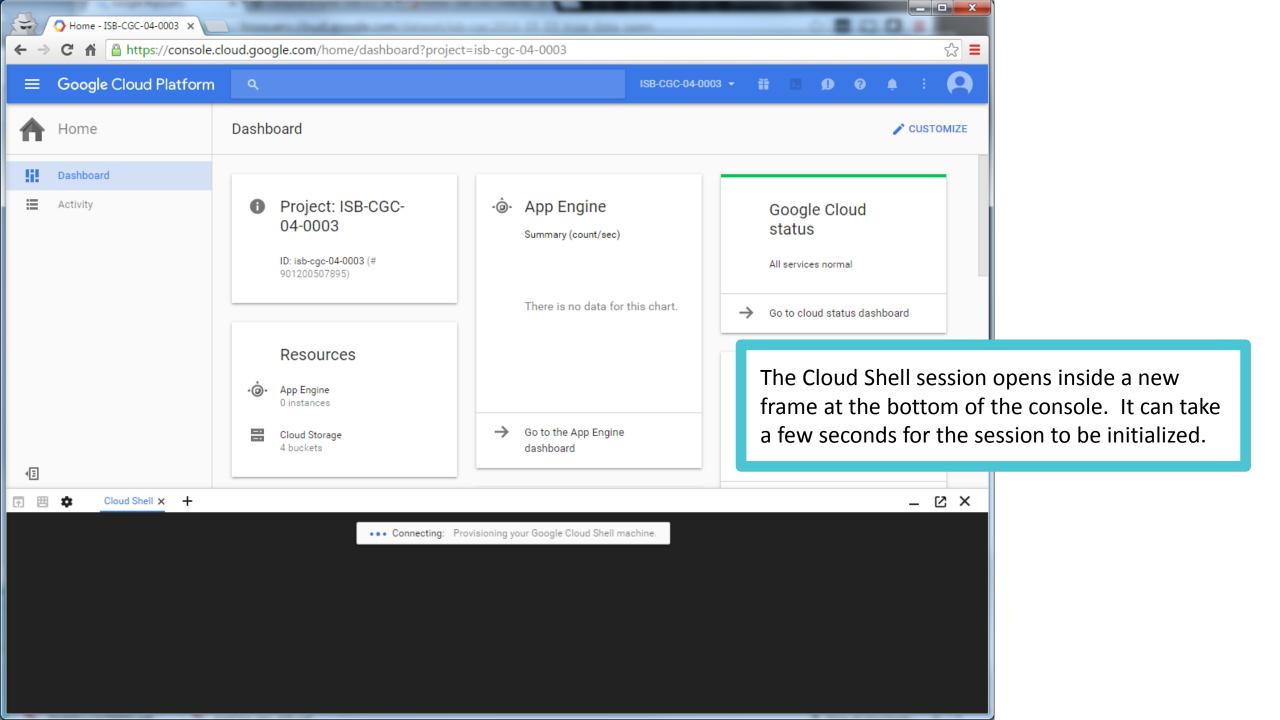


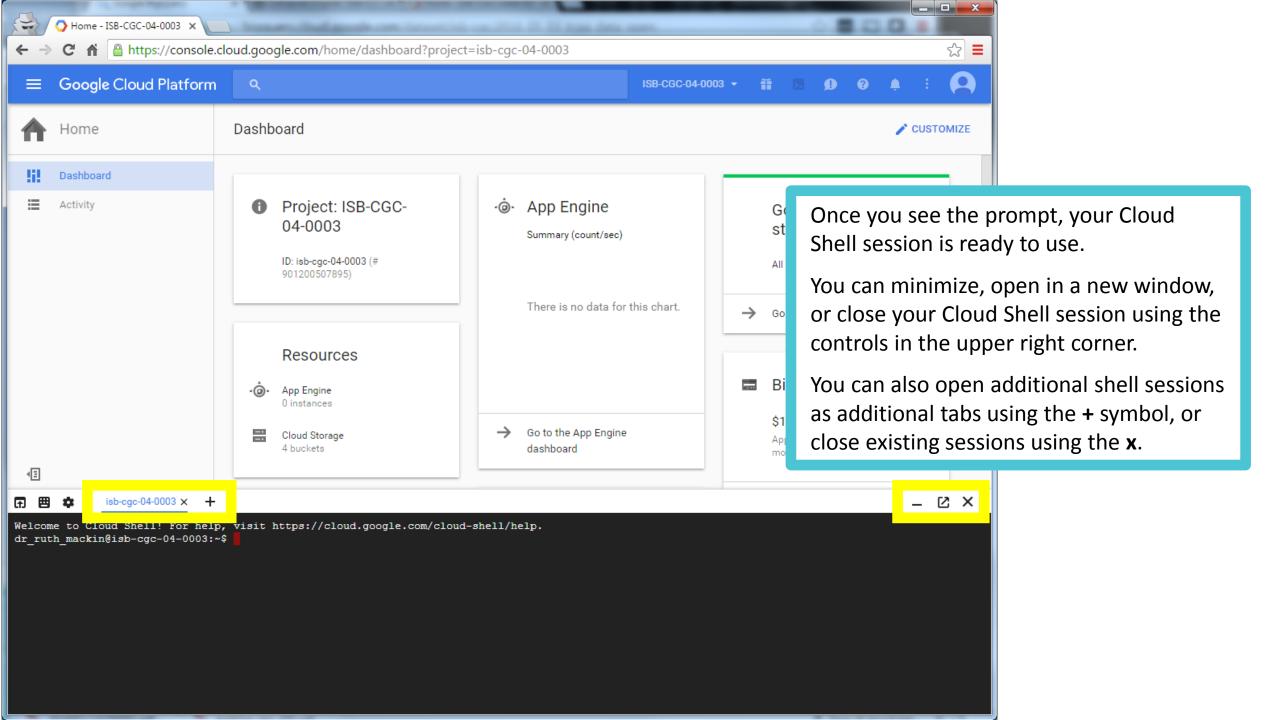


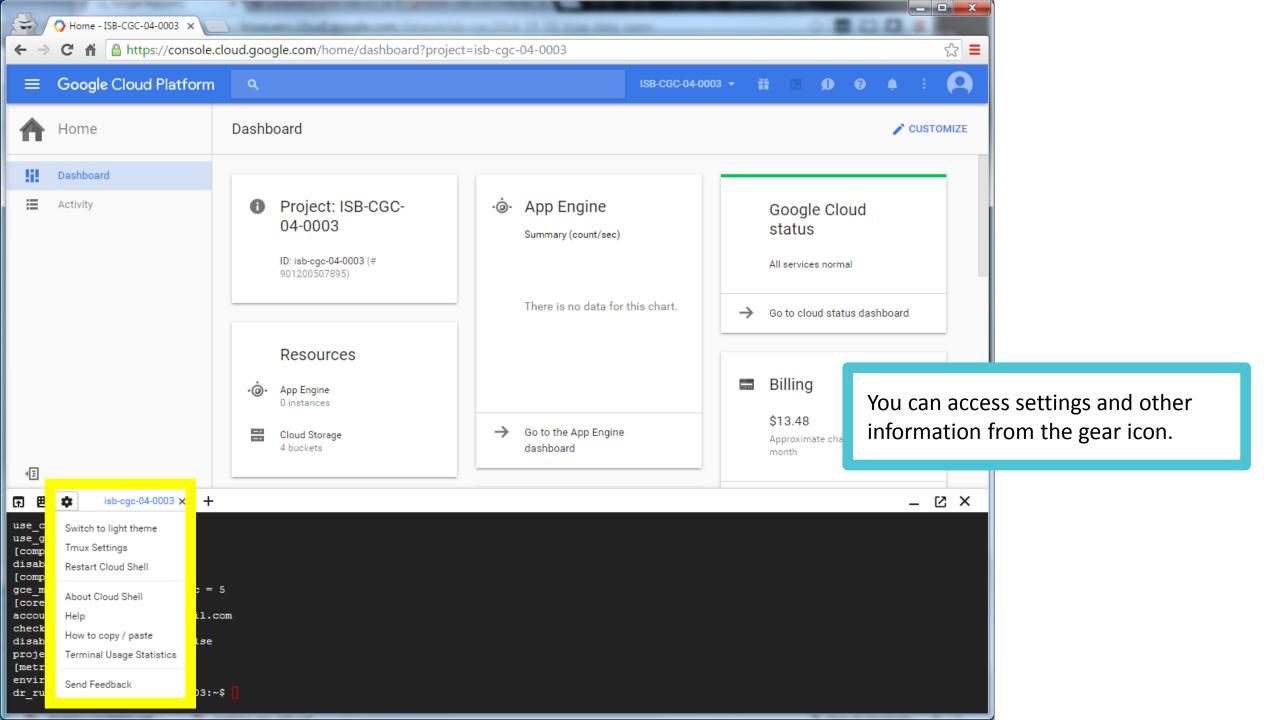


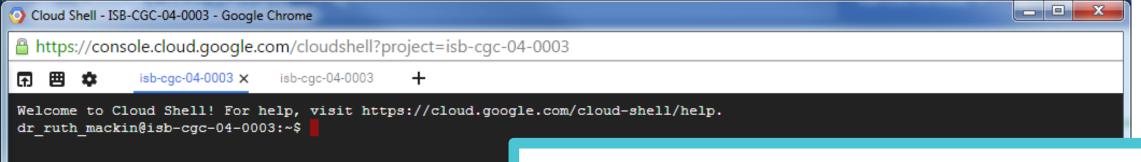












Popping the shell out into its own window lets you resize it and gives you more space to work.

Let's install a few additional Python packages so that we can run the ISB-CGC python examples. Type or paste the following commands into your Cloud Shell:

```
sudo pip install google-api-python-client
sudo pip install python-dateutil
```

Now we'll clone the ISB-CGC examples-Python repository and run an example script that will query the CCLE data at a point mutation of interest (takes about 10 minutes to scan over 500 samples):

```
cd
mkdir git_home
cd git_home
git clone https://github.com/isb-cgc/examples-Python.git
cd examples-Python/python
python ./query_ccle_reads.py -c 7 -p 140453136 -w 25
```

```
Cloud Shell - ISB-CGC-04-0003 - Google Chrome
https://console.cloud.google.com/cloudshell?project=isb-cgc-04-0003
               isb-cgc-04-0003 ×
                                isb-cgc-04-0003
                                 Your Google Cloud Shell session was idle for over 60 minutes and terminated.
                                                                                          Reconnect
                                                                                                    Close
             "kind": "cohort ap
             "name": "example cohort from samples",
             "perm": "OWNER",
             "email": "dr.ruth.mackin@gmail.com",
             "comments": "None",
             "filters": [
                     "name": "SampleBarcode",
                     "value": "[u'TCGA-OR-A5J2-01A', u'TCGA-OR-A5J2-10A', u'TCGA-OR-A5J3-01A', u'TCGA-OR-A5J3-10A', u'TCGA-OR-A5,
4-01A', u'TCGA-OR-A5J4-10A', u'TCGA-OR-A5J5-01A', u'TCGA-OR-A5J5-10A', u'TCGA-OR-A5J6-01A', u'TCGA-OR-A5J6-10A', u'TCGA-OR-A5J7-
01A', u'TCGA-OR-A5J7-10A', u'TCGA-OR-A5J8-01A', u'TCGA-OR-A5J8-10A', u'TCGA-OR-A5J9-01A', u'TCGA-OR-A5J9-10A']"
             1,
             "last date saved": "2016-05-16 18:53:09",
             "id": "363"
                                                                                                      After 60 minutes of inactivity, your
                                                                                                      session will be terminated, but you
    "kind": "cohort api#cohorts",
                                                                                                      can Reconnect with just one click.
     "etag": "\"Ga8btiTfgttDwD6hb042onDGVm0/ayxhC4hdwFRd T0aP1Rdo8CqaPw\""
 *** calling delete endpoint *** 363
     "msg": "Cohort 363 successfully deactivated.",
    "kind": "cohort api#cohortsItem",
    "etag": "\"Ga8btiTfgttDwD6hb042onDGVm0/KS7RMeCCe70-qF9uORpDQMItfx4\""
 time taken in seconds : 2.59256911278
dr ruth mackin@isb-cgc-04-0003:~/git home/examples-Python/python$
```

