

## Setup steps for cloud platform access with google

These steps involve interaction with local browser and remote R session to authenticate to Google Cloud Platform so that you have access to TCGA data. Your local chrome session should be logged in with your google identity

# step 1) downgrade dplyr on the AMI to allow bigquery

```
biocLite("Bioconductor/dplyr", ref="bioc-update") # say "n" to additional queries
```

# alternate approach

```
#install.packages("https://cran.r-project.org/src/contrib/Archive/dplyr/dplyr_0.4.3.tar.gz",  
#repos=NULL)
```

# step 2) install bigquery with restrictions

```
library(devtools)  
install_github("rstats-db/bigquery", upgrade_dependencies=FALSE)
```

# step 3) install googlesheets package

```
options(httr_oob_default=TRUE)  
biocLite("googlesheets") # say no to additional installs
```

# step 4) set a token

```
library(googlesheets)  
gs_auth(new_user=TRUE)
```

# do as told -- after going to URL you get something to paste into a query in R

# step 5) now get to the TCGA platform

```
bq = src_bigquery("isb-cgc", "tcga_201510_alpha", "cgc-05-0011")  
bq
```