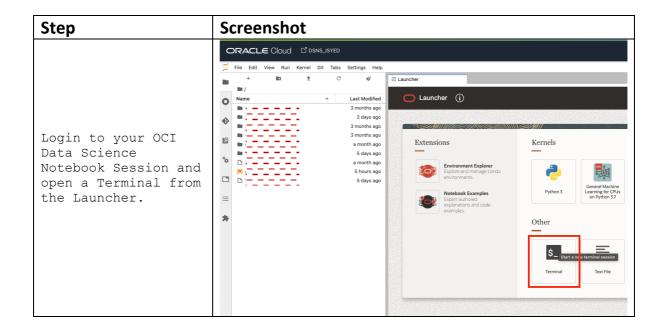
Integrate OCI Data Science Service with GitHub

Description: In this guide we will take a look at how to connect your OCI Data Science Notebook Session with your GitHub Repository.

High Level Steps:

- Authenticate between OCI Data Science and Git using SSH Keys
 - Generate SSH Key Pair
 - Store Private Key within OCI Data Science
 - Adding your SSH key to the ssh-agent
 - Copy Contents of Public Key to GitHub
 - Add GitHub as a Known Host within OCI Data Science
 - Add Username to Git Config
 - Add Email to Git Config
- Utilise the Jupyter Lab Git Extension or Terminal









```
Next, we will add
the SSH Key to the
ssh-agent to be
                                   (base) bash-4.2$
managed.
                                   (base) bash-4.2$ eval "$(ssh-agent -s)"
                                   Agent pid 5312
First, start the
                                   (base) bash-4.2$
ssh-agent
(eval "$(ssh-agent -
s)")
Add your SSH Private
Key to the ssh-
                                  (base) bash-4.2$
                                   (base) bash-4.2$ ssh-add ~/.ssh/id ed25519
agent.
                                  Identity added: /home/datascience/.ssh/id_ed25519 (______co.uk)
                                  (base) bash-4.2$
                                   (base) bash-4.2$
(ssh-add
                                  (base) bash-4.2$
~/.ssh/id ed25519)
Once done, lets add
GitHub as a 'Known
Host', so the OCI
Data Science
                                  (base) bash-4.2$
Platform can
                                  (base) bash-4.2$ ssh-keyscan -t rsa github.com >> ~/.ssh/known_hosts
                                  # _____(base) bash-4.2$
authenticate with
the GitHub Server.
                                  (base) bash-4.2$
                                  (base) bash-4.2$ ls -la
                                  total 20
                                  drwxr-xr-x. 2 datascience users 4096 Mar 30 13:57 drwxr-xr-x. 21 datascience users 4096 Mar 30 10:57 drwxr-xr-x. 21 datascience users 4096 Mar 30 10:57 drwxr-xr-x.
(ssh-keyscan -t rsa
                                  -rw--r--- 1 datascience users 419 Mar 30 13:38 id_ed25519

-rw-r--- 1 datascience users 419 Mar 30 13:38 id_ed25519

-rw-r--- 1 datascience users 419 Mar 30 13:38 id_ed25519.pub

-rw-r--- 1 datascience users 392 Mar 30 13:57 known_hosts
github.com >>
~/.ssh/known hosts)
                                  -rw-r--r-. 1 da
(base) bash-4.2$
                                  (base) bash-4.2$ cat known_hosts
You can list the
files within the
.ssh directory (ls -
la) to see the
                                  (base) bash-4.2$
                                  (base) bash-4.2$
known_hosts file and
                                  (base) bash-4.2$
display its
contents. (cat
known hosts)
We will add our
GitHub Username and
Email to the Git
                                  (base) bash-4.2$
Config.
                                  (base) bash-4.2$ git config --global user.name "____"
                                  (base) bash-4.2$
                                  (base) bash-4.2$ git config --global user.email "---- co.uk"
(git config --global
                                  (base) bash-4.2$
user.name
                                  (base) bash-4.2$
"username")
(git config --global
user.email "email")
```



We now need to add our Public Key to our GitHub Profile. First let's display the contents of our public key and copy (base) bash-4.2\$ cat id_ed25519.pub the contents to the clipboard. (base) bash-4.2\$ (cat id_ed25519.pub) Copy the contents displayed in the Terminal. Search or jump to... Pull requests Issues Marketplace Explore Go to your personal profile Visit your GitHub New SSH key SSH keys A Public profile account online and There are no SSH keys associated with your account. navigate to: Check out our guide to generating SSH keys or troubleshoot common SSH problems & Accessibility (Profile -> Settings GPG keys New GPG key -> SSH and GPG keys) There are no GPG keys associated with your account. Billing and plans Learn how to generate a GPG key and add it to your account (1) Password and authentication Vigilant mode SSH and GPG keys Organizations ☐ Flag unsigned commits as unverified

This will include any commit attributed to your account but not signed with your GPG or S/MIME key.

Note that this will include your existing unsigned commits. Moderation Code, planning, and automation Search or jump to... Pull requests Issues Marketplace Explore _____ Go to your personal profile Your personal account New SSH key SSH kevs There are no SSH keys associated with your account. Check out our guide to generating SSH keys or troubleshoot common SSH problems & Accessibility Notifications GPG keys New GPG key Click on New SSH Key There are no GPG keys associated with your account. Billing and plans Learn how to generate a GPG key and add it to your account T Password and authentication



SSH keys / Add new Enter a Title for the new SSH Key. odsc-git-integration Paste in the Key contents of the Public SSH Key that you copied over from the Public Key within the OCI Data Science Service. Click Add SSH Key Add SSH key We have now successfully integrated a GitHub Account with the OCI Data Science Service. Search or jump to... Pull requests Issues Marketplace Explore _____/odsc-git-integration (Private Unwatch 1 We will now try to ? Pull requests Actions ① Security clone an existing GitHub Repository. P main → P 2 branches 0 tags Go to file Add file -Code -No Visit an existing ∑ Clone ? fjfjfjMerge branch 'is pr repository > click HTTPS SSH GitHub CLI on the Code dropdown m README.md Initial c git@github.com: ______c-git-inte > select the SSH Tab odsc-git-integration... This is and copy the command Use a password-protected SSH key. 0 displayed. ဗှ Open with GitHub Desktop README.md Download ZIP R€ odsc-git-integr







