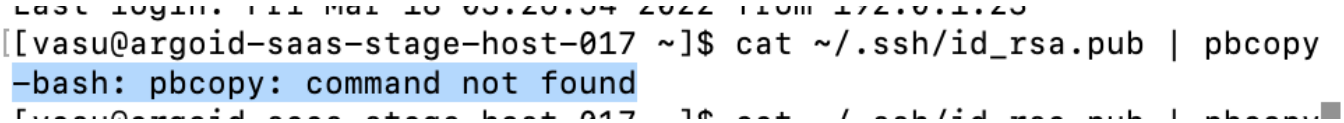
SSH based Bit Bucket authentication..

Source:-https://support.atlassian.com/bitbucket-cloud/docs/set-up-an-ssh-key/

Shortcomings:-This process has to be repeated if you want to clone in different VMs

Step 1. Set up your default identity

1. Pls do not override existing Keys since they have already been using for stage and prod gateway machines
2. Use the following command to copy the existing public key
   `cat ~/.ssh/id_rsa.pub | pbcopy`



If you get the following error
then `cat ~/.ssh/id_rsa.pub` use the following command and copy the key manually

1. If the key does not exist then we can generate a new key by using the following commands
   `ssh-keygen`
   and press enter till you see the “The key fingerprint“

```
Generating public/private rsa key pair.
Enter file in which to save the key (/c/Users/emmap1/.ssh/id_rsa):
Created directory '/c/Users/emmap1/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/emmap1/.ssh/id_rsa.
Your public key has been saved in /c/Users/emmap1/.ssh/id_rsa.pub.
The key fingerprint is: e7:94:d1:a3:02:ee:38:6e:a4:5e:26:a3:a9:f4:95:d4 emmap1@EMMA-PC
```

Step 2. Add the key to the ssh-agent

For the people who use passwords In SSH

If you don't want to type your password each time you use the key, you'll need to add it to the ssh-agent.

1. To start the agent, run the following:

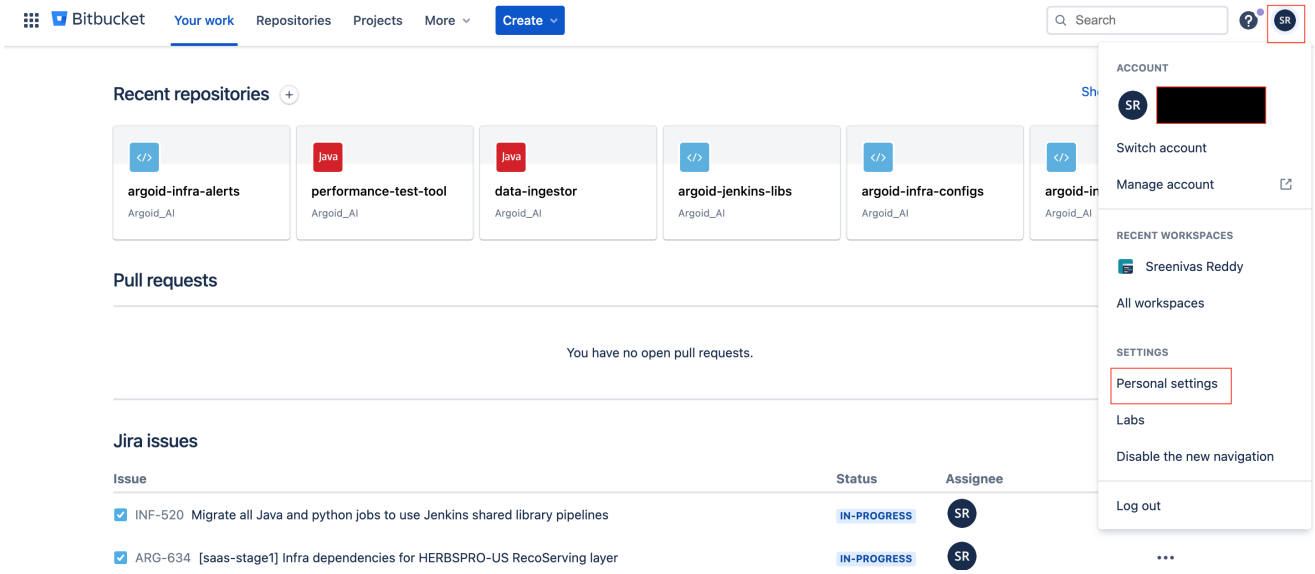
```
$ eval $(ssh-agent)
Agent pid 9700
```

2. Enter `ssh-add` followed by the path to the private key file:

```
$ ssh-add ~/.ssh/<private_key_file>
```

Step 3. Add the public key to your Account settings

1. From Bitbucket, choose **Personal settings** from your avatar in the lower left.



2. Click **SSH keys**. If you've already added keys, you'll see them on this page.
3. Open your `.ssh/id_rsa.pub` file (or whatever you named the public key file) and copy its contents.
   You may see an email address on the last line. It doesn't matter whether or not you include the email address.
4. From Bitbucket, click **Add key**.
5. Enter a **Label** for your new key, for example, `Default public key`.
6. Paste the copied public key into the SSH **Key** field.
7. Click **Save**.
   Bitbucket sends you an email to confirm the addition of the key

Step 4. Now cloning should happen via ssh

Previously we use to do it via HTTPS but now we should use SSH..