Setup Steps for SSH Connections to AWS CodeCommit Repositories on Windows

1. Create an IAM user or existing user in your aws account, Make sure you an access key and secret key associated with it
2. AWS code commit requires AWS key management service
3. Create group or directly provide AWSCodeCommitFullAccess from the list

Install Git of 1.7.9 version or above

1. Setup the public and private keys for Git and AWS Code commit
2. Run “ssh-keygen” command on gitbash this will generate the id\_rsa and id\_rsa pub file and these files copied to C:/Users/user-id/.ssh/
3. Copy the content of the id\_rsa.pub file
4. Sign in to the Identity and Access Management (IAM) console at <https://console.aws.amazon.com/iam/>.
5. In the IAM console, in the navigation pane, choose Users, and from the list of users, choose your IAM user.
6. On the user details page, choose the Security Credentials tab, and then choose Upload SSH public key.
7. Paste the contents of your SSH public key into the field, and then choose Upload SSH public key.
8. In the Bash emulator, type the following commands to create a config file in the ~/.ssh directory, or edit it if one already exists:

Save the file as config (not config.txt), and then close Notepad.

**Important**

The name of the file must be Config with no file extension, or the SSH connections will fail

1. Run the following command to test your SSH configuration

ssh git-codecommit.us-east-2.amazonaws.com

The AWS CodeCommit server fingerprint is displayed as part of the verification

If any issues add environment variable “HOME” variable with the value C:\Users\username

Then try the above command

To clone the repository

User the below command

git clone ssh://git-codecommit.us-east-2.amazonaws.com/v1/repos/MyDemoRepo my-demo-repo