




Connect

Concepts & Introduction



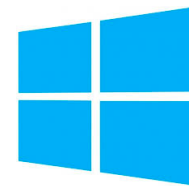
Context : Remote computing

- ***Distant Machine:*** not on your network in our case in AWS datacenter
- ***Public key*** : on your computer
- ***Private key*** : on the instance (do not share the key! )

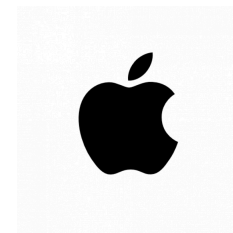
Context : Remote computing

- **.pem key to connect to the instances :* 

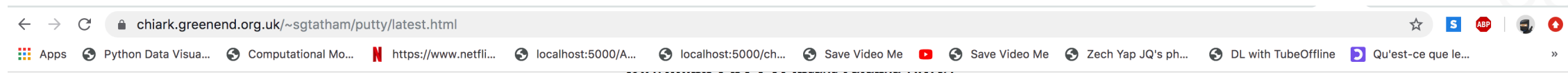
- **Windows user:**
→ **PUTTY + PUTTYGEN**



- **Mac user:**
→ **NOTHING PARTICULAR**
(except `chmod 600 *.pem`)



Context : Remote computing



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This page contains download links for the latest released version of PuTTY. Currently this is 0.73, released on 2019-09-29.

When new releases come out, this page will update to contain the latest, so this is a good page to bookmark or link to. Alternatively, here is a [permanent link to the 0.73 release](#).

Release versions of PuTTY are versions we think are reasonably likely to work well. However, they are often not the most up-to-date version of the code available. If you have a problem with this release, then it might be worth trying out the [development snapshots](#), to see if the problem has already been fixed in those versions.

Package files

You probably want one of these. They include versions of all the PuTTY utilities.

(Not sure whether you want the 32-bit or the 64-bit version? Read the [FAQ entry](#).)

MSI ('Windows Installer')

32-bit: [putty-0.73-installer.msi](#) [\(or by FTP\)](#) [\(signature\)](#)

64-bit: [putty-64bit-0.73-installer.msi](#) [\(or by FTP\)](#) [\(signature\)](#)

Unix source archive

.tar.gz: [putty-0.73.tar.gz](#) [\(or by FTP\)](#) [\(signature\)](#)

Context : Remote computing

Create and Use SSH Keys

1. Create keys

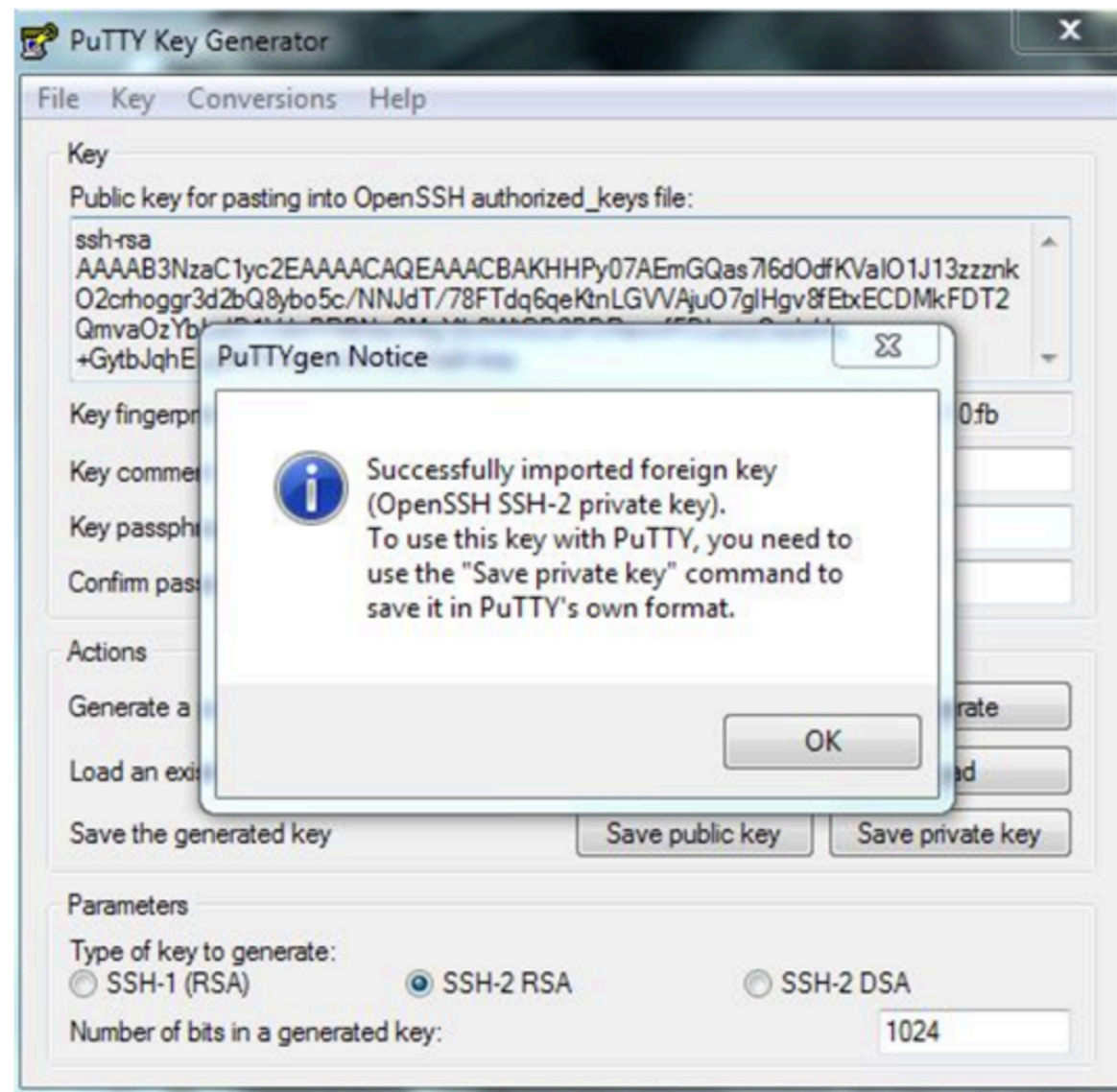
- Navigate to “My Account”
- Select “Key Management”
- Create New Key.
 - During the key creation process you will be prompted to download your private key file in .PEM format. You will not be able to download the private key again as it is not stored in vCloud Express.
 - The “Default” checkbox is used for the API.

2. Deploy server and select key

3. Connect

- SSH (Mac/Linux)
 - Copy .PEM file to the machine from which you are going to connect.
 - Make sure permissions on .PEM file are appropriate (chmod 600 file.pem)
 - Connect with ssh command: `ssh vcloud@ipaddress -i privkey.pem`
- Putty (Windows)
 - Download Putty and puttygen from - [here](#)
 - Use puttygen to convert .PEM file to .PPK file.
 - Start puttygen and select “Load”
 - Select your .PEM file.
 - Putty will convert the .PEM format to .PPK format.

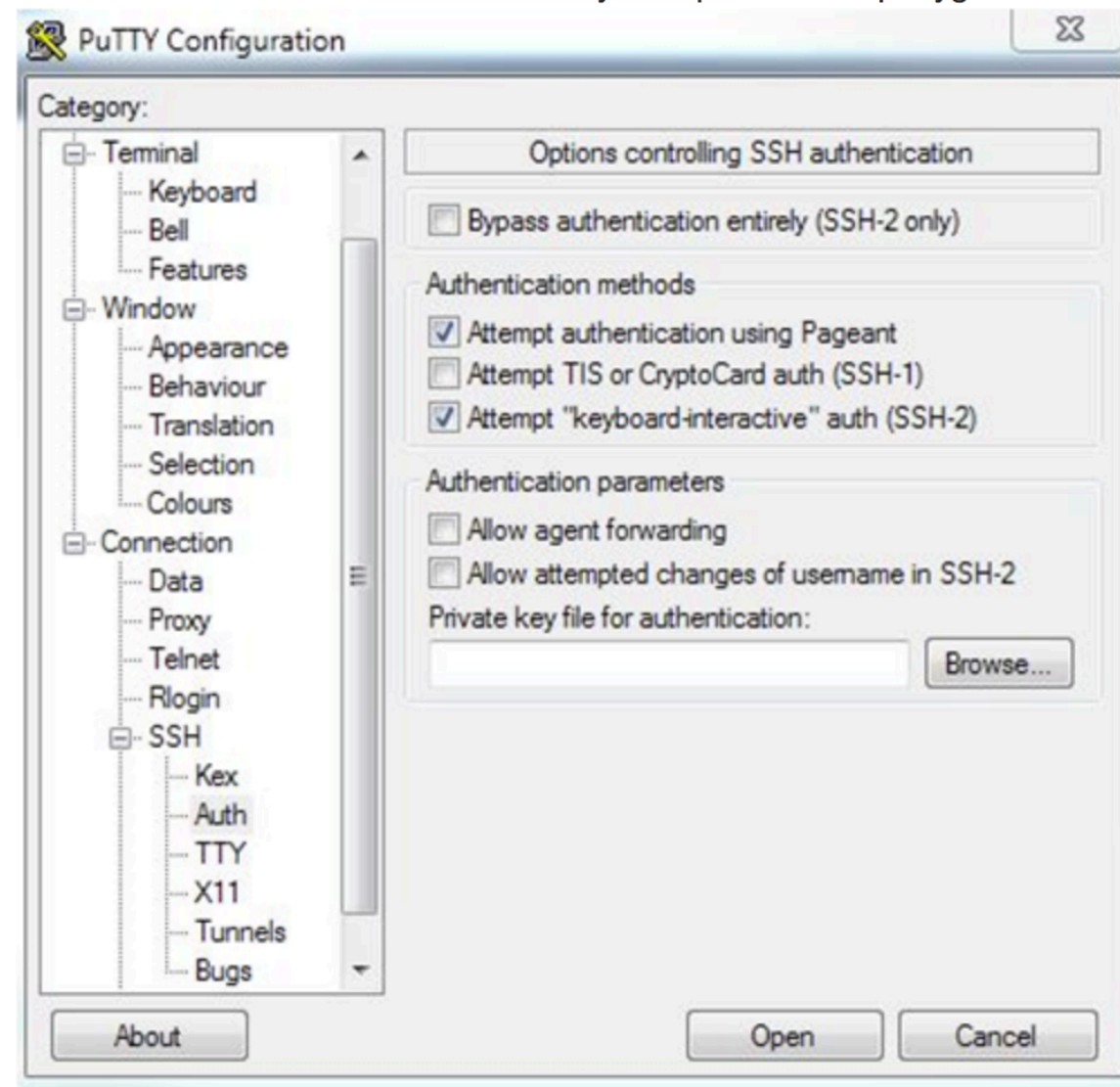
Context : Remote computing



- Select "Save Private Key" A passphrase is not required but can be used if additional security is required.

Context : Remote computing

- Connect with Putty.
 - Launch Putty and enter the host IP address. If connecting to the 10.X private address you must first establish an SSL VPN connection.
 - Navigate to Connection/SSH/Auth
 - Click “Browse” and select the .PPK file you exported from puttygen.



- Click “Open.” When connection comes up enter username (default is vcloud).

Context : Remote computing

- *.pem key to connect to the instances 

- **Get inside the instance**

```
ssh -i /path/my-key-pair.pem ec2-user@ec2-198-51-100-1.compute-1.amazonaws.com
```



- **Copy stuff inside the instance**

```
scp -i /path/my-key-pair.pem /path/SampleFile.txt ec2-user@ec2-198-51-100-1.compute-1.amazonaws.com
```



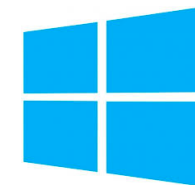
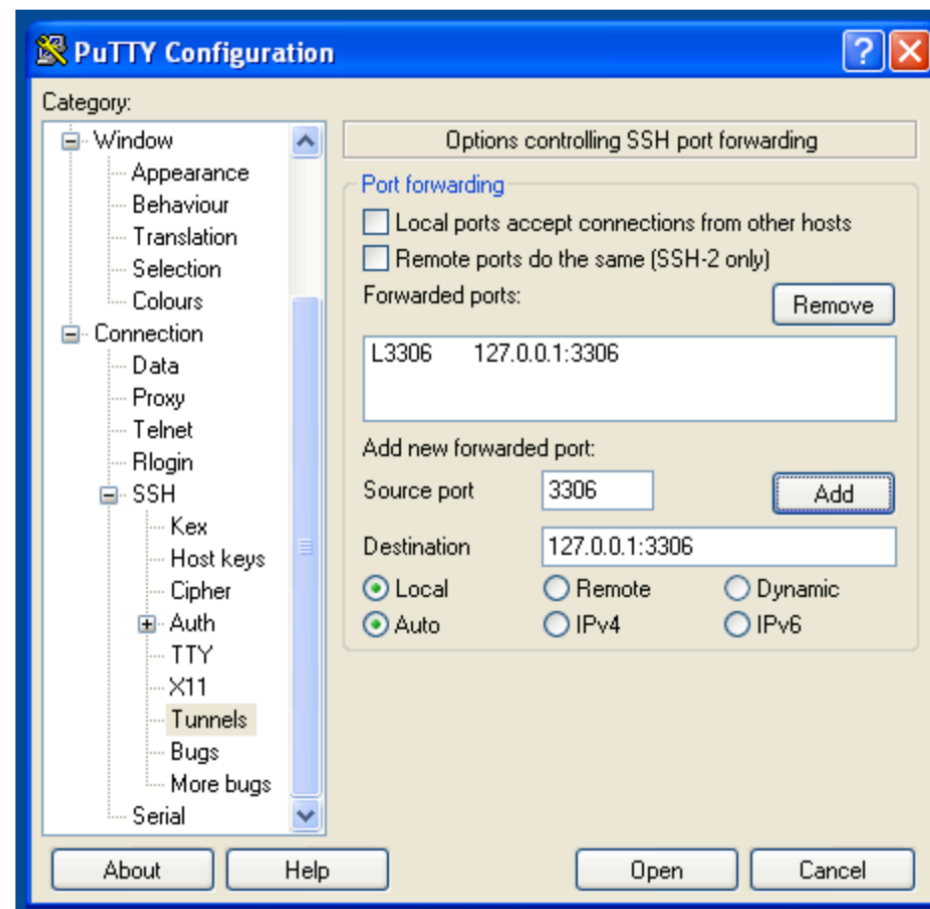
- **More info @:**

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/AccessingInstancesLinux.html>

Useful : Port forwarding

To do so:

1. In PuTTY's configuration window, go to the **Connection** category.
2. Go to **SSH**, then **Tunnels**.
3. Enter `3306` in the **Source port** field.
4. Enter `127.0.0.1:3306` in the **Destination** field.
5. Click **Add**, then click **Open** to log in:



Useful : Port forwarding

