

How-To: Setup Instance in OpenStack and Connect

Tuesday, November 03, 2015 7:58 PM

Step 1 - Login to <http://cloud.cybera.ca>



The login form for Cybera features the logo at the top. Below it is a 'Log In' section with three input fields: 'User Name' (containing 'confidential.inc@gmail.com'), 'Password' (masked with dots), and 'Region' (a dropdown menu set to 'Calgary'). At the bottom left is a link 'About RAC | Updates' and at the bottom right is a blue 'Sign In' button.

Go to Access and Security to Generate a Private Key for Login Access



The dashboard shows the 'Access & Security' section. On the left is a sidebar with a 'Project' dropdown set to 'Compute' and a list of navigation items: Overview, Instances, Volumes, Images, Access & Security (highlighted), Object Store, and RAC Usage. The main content area has tabs for 'Security Groups', 'Key Pairs', 'Floating IPs', and 'API Access'. The 'Key Pairs' tab is active, showing a table with one entry: 'WebAccess' with a specific fingerprint. Above the table are buttons for 'Create Key Pair', 'Import Key Pair', and 'Delete Key Pairs'. A 'Delete Key Pair' button is also present in the 'Actions' column of the table.

<input type="checkbox"/>	Key Pair Name	Fingerprint	Actions
<input type="checkbox"/>	WebAccess	f8:36:38:c5:1f:fb:0c:7a:bf:21:52:9e:ee:b9:2b:76	Delete Key Pair

Generate Private Key

Create Key Pair

Key Pair Name: *

devAccess

Description:

Key pairs are ssh credentials which are injected into images when they are launched. Creating a new key pair registers the public key and downloads the private key (a .pem file).

Protect and use the key as you would any normal ssh private key.

Cancel

Create Key Pair

Save Private Key File to Computer

cybera

confidential.inc@gmail.com

confidential.inc@gmail.com

Sign Out

Calgary

Project

Compute

Overview

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Volumes

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Object Store

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RAC Usage

Usage Graphs

Download Key Pair

The key pair "devAccess" should download automatically. If not use the link below.

[Download key pair "devAccess"](#)

Opening devaccess.pem

You have chosen to open:

devaccess.pem

which is: pem File (1.6 KB)

from: https://cloud.cybera.ca

What should Firefox do with this file?

☐ Open with

Browse...

☒ Save File

☐ Do this automatically for files like this from now on.

OK

Cancel

Step 3 - Launch an Instance

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Sign Out

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Instances

Filter

Filter

+ Launch Instance

Soft Reboot Instances

Terminate Instances

<input type="checkbox"/>	Instance Name	Image Name	IP Address	Size	Key Pair	Status	Availability Zone	Task	Power State	Uptime	Actions
No items to display.											
Displaying 0 items											

Enter Image Information and Operating System for the Virtual Machine

Launch Instance

Details * Access & Security * Post-Creation Advanced Options

Availability Zone:
nova

Instance Name: *
dev-host

Flavor: *
m1.tiny

Instance Count: *
1

Instance Boot Source: *
Boot from image

Image Name:
CentOS 6.5 (686.2 MB)

Specify the details for launching an instance.
The chart below shows the resources used by this project in relation to the project's quotas.

Flavor Details

Name	m1.tiny
VCPUs	1
Root Disk	5 GB
Ephemeral Disk	0 GB
Total Disk	5 GB
RAM	512 MB

Project Limits

Number of Instances	0 of 8 Used
Number of VCPUs	0 of 8 Used
Total RAM	0 of 8,192 MB Used

Associate the Private Key you generated with the Instance

Launch Instance

Details * Access & Security * Post-Creation Advanced Options

Key Pair:
devAccess

Control access to your instance via key pairs, security groups, and other mechanisms.

Security Groups: *
☒ default

Cancel Launch

(Optional) Add in startup script to run after instance is deployed

Launch Instance

Details * Access & Security * Post-Creation Advanced Options

Customization Script:
Simple Deployment Script Can Go Here

A script or set of commands to be executed after the instance has been created. The script is built (max 16kb). The field is analogous to "User Data" in other systems.

Cancel Launch

Launch the Instance

Launch Instance

Details *

Access & Security *

Post-Creation

Advanced Options

Disk Partition:

Automatic

Automatic: Entire disk is single partition and automatically resizes.

Manual: Faster build times but requires manual partitioning.

Cancel

Launch

Associate the floating IP to the Instance

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+ Launch Instance

Soft Reboot Instances

Terminate Instances

	Instance Name	Image Name	IP Address	Size	Key Pair	Status	Availability Zone	Task	Power State	Uptime	Actions
<input type="checkbox"/>	dev-host	CentOS 6.5	10.1.1.125 2605:fd00:4:1000:f816:3eff:fe46:ff75	m1.tiny 512MB RAM 1 VCPU 5.0GB Disk	devAccess	Active	nova	None	Running	0 minutes	<div>Create Snapshot</div> <div>More</div> <div>Associate Floating IP</div> <div>Edit Instance</div> <div>Edit Security Groups</div> <div>Console</div> <div>View Log</div> <div>Pause Instance</div> <div>Suspend Instance</div> <div>Soft Reboot Instance</div> <div>Hard Reboot Instance</div> <div>Shut Off Instance</div> <div>Rebuild Instance</div> <div>Terminate Instance</div>

Displaying 1 item

Choose the instance and select the IP

Manage Floating IP Associations

IP Address *

IP Address: *

162.246.156.101

+

Select the IP address you wish to associate with the selected instance.

Instance to be associated: *

dev-host (32b529ba-434d-4ed3-8693-4b995f62ec)

Cancel

Associate

Step 4 - Download PuTTY and PuTTYgen

Instance Overview - Open... x PuTTY Download Page x +

www.chiark.greenend.org.uk/~sgtatham/putty/download.html

PuTTY Download Page

[Home](#) | [Licence](#) | [FAQ](#) | [Docs](#) | [Download](#) | [Keys](#) | [Links](#)
[Mirrors](#) | [Updates](#) | [Feedback](#) | [Changes](#) | [Wishlist](#) | [Team](#)

Here are the PuTTY files themselves:

- PuTTY (the Telnet and SSH client itself)
- PSCP (an SCP client, i.e. command-line secure file copy)
- PSFTP (an SFTP client, i.e. general file transfer sessions much like FTP)
- PuTTYtel (a Telnet-only client)
- Plink (a command-line interface to the PuTTY back ends)
- Pageant (an SSH authentication agent for PuTTY, PSCP, PSFTP, and Plink)
- PuTTYgen (an RSA and DSA key generation utility).

Choose the Version you wish to download

For Windows on Intel x86

PuTTY:	putty.exe	(or by FTP)	(RSA sig)	(DSA sig)
PuTTYtel:	puttytel.exe	(or by FTP)	(RSA sig)	(DSA sig)
PSCP:	pscp.exe	(or by FTP)	(RSA sig)	(DSA sig)
PSFTP:	psftp.exe	(or by FTP)	(RSA sig)	(DSA sig)
Plink:	plink.exe	(or by FTP)	(RSA sig)	(DSA sig)
Pageant:	pageant.exe	(or by FTP)	(RSA sig)	(DSA sig)
PuTTYgen:	puttygen.exe	(or by FTP)	(RSA sig)	(DSA sig)

A ZIP file containing all the binaries (except PuTTYtel), and also the help files

Zip file:	putty.zip	(or by FTP)	(RSA sig)	(DSA sig)
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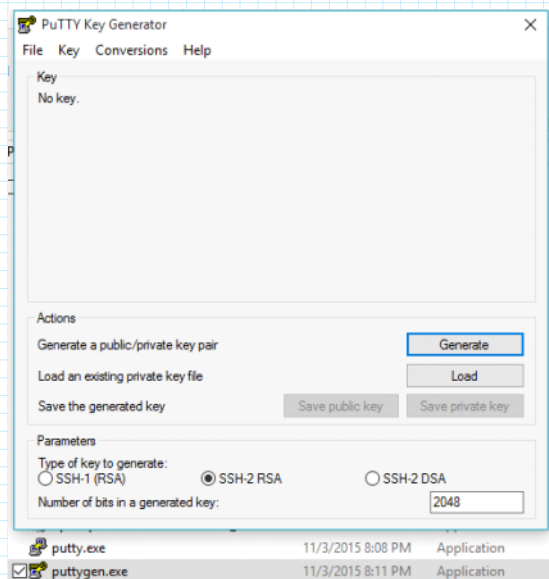
A Windows installer for everything except PuTTYtel

Installer:	putty-0.65-installer.exe	(or by FTP)	(RSA sig)	(DSA sig)
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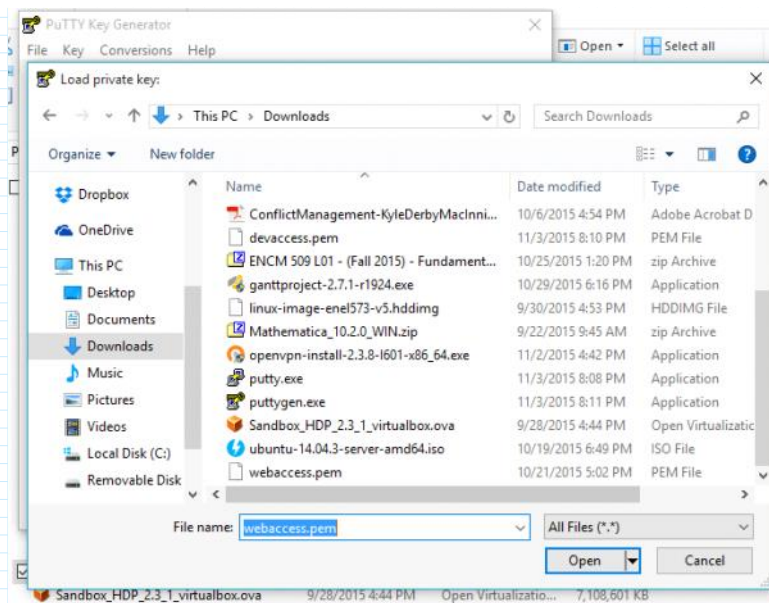
Checksums for all the above files

MD5:	md5sums	(or by FTP)	(RSA sig)	(DSA sig)
SHA-1:	sha1sums	(or by FTP)	(RSA sig)	(DSA sig)
SHA-256:	sha256sums	(or by FTP)	(RSA sig)	(DSA sig)
SHA-512:	sha512sums	(or by FTP)	(RSA sig)	(DSA sig)

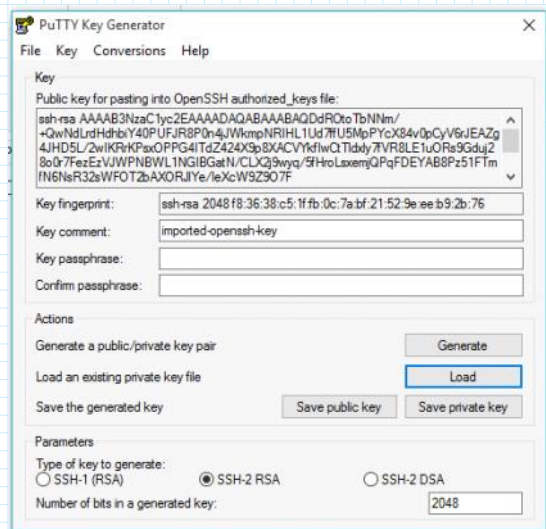
Step 5 - Run PuTTYgen - Click Load



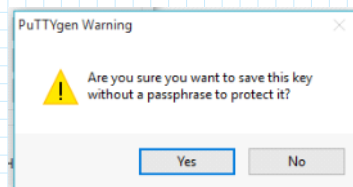
Choose the .pem file you downloaded earlier



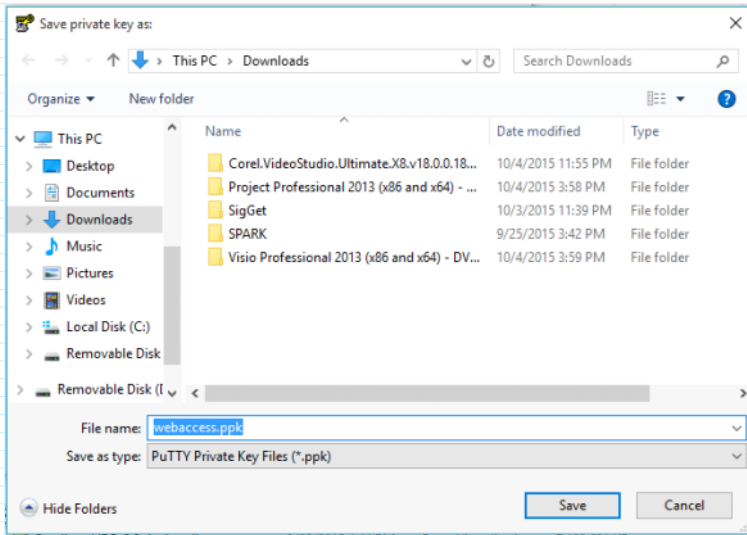
Click "Save Private Key"



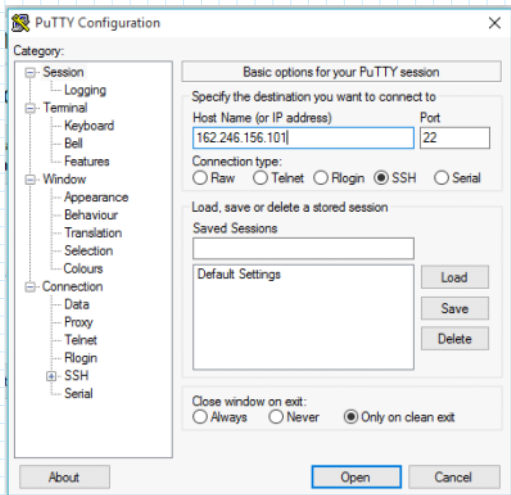
Click Yes



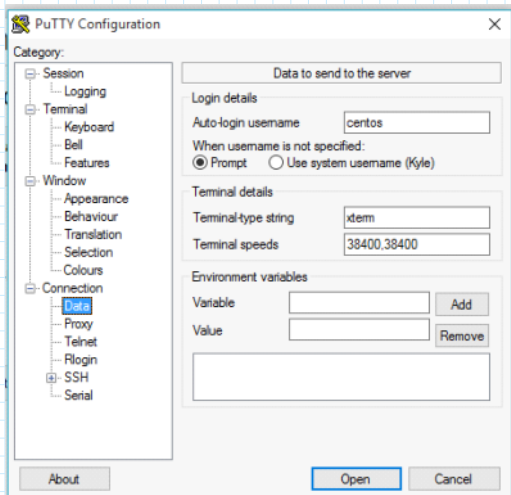
Save .ppk file (PuTTY Private Key)



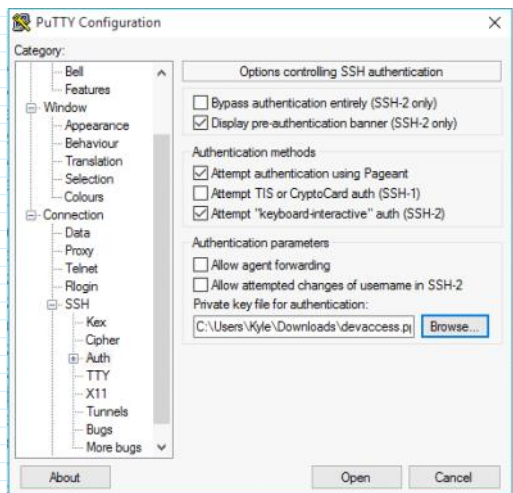
Step 6 - Open PuTTY - Input Floating IP and choose port 22



Click "Data" on the left hand menu and input "centos" into the username (operating system name in lowercase)

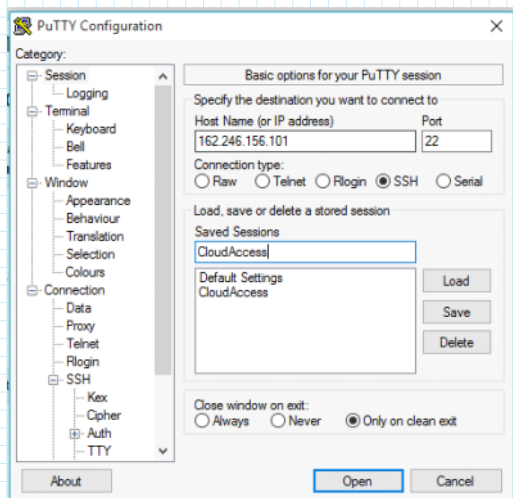


Click SSH->Auth and browse for the .ppk file you saved earlier

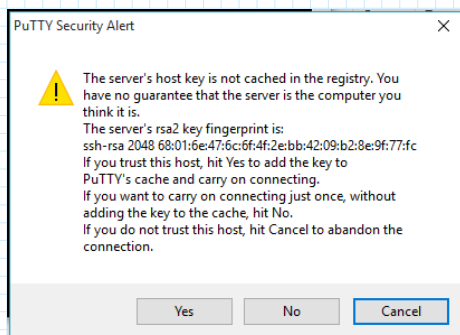


(Optional) Save the settings as a session by saving it for future use

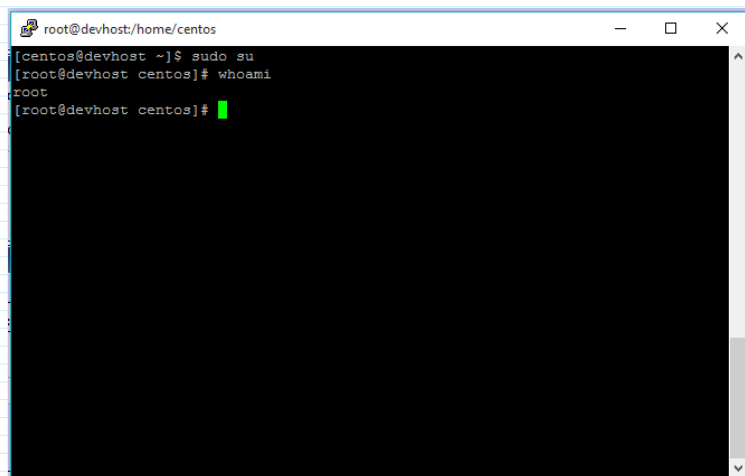
Click Open



Click Yes



Step 7 - You are now logged in - Welcome to Linux (use sudo to perform root actions)



```
root@devhost/home/centos
[centos@devhost ~]$ sudo su
[root@devhost centos]# whoami
root
[root@devhost centos]#
```