# Github ssh configuration

1. Install git client: sudo yum install git
2. Edit /etc/hosts file and provide github entries

192.30.252.129 github.com

199.27.75.133 raw.github.com

151.101.20.133 developer.github.com

151.101.20.133 developer.github.com

1. Install nc and connect-proxy

[adsdevops@ushapld00213 ~]$ sudo yum install connect-proxy

Loaded plugins: langpacks, ulninfo

Repository epel-subscription-manager is listed more than once in the configuration

Repository epel-subscription-manager-source is listed more than once in the configuration

Repository nodesource is listed more than once in the configuration

Repository nodesource-source is listed more than once in the configuration

Resolving Dependencies

--> Running transaction check

---> Package connect-proxy.x86\_64 0:1.100-13.el7 will be installed

--> Finished Dependency Resolution

Dependencies Resolved

==========================================================================================================================

Package Arch Version Repository Size

==========================================================================================================================

Installing:

connect-proxy x86\_64 1.100-13.el7 epel 37 k

Transaction Summary

==========================================================================================================================

Install 1 Package

Total download size: 37 k

Installed size: 75 k

Is this ok [y/d/N]: y

Downloading packages:

connect-proxy-1.100-13.el7.x86\_64.rpm | 37 kB 00:00:00

Running transaction check

Running transaction test

Transaction test succeeded

Running transaction

Installing : connect-proxy-1.100-13.el7.x86\_64 1/1

Verifying : connect-proxy-1.100-13.el7.x86\_64 1/1

Installed:

connect-proxy.x86\_64 0:1.100-13.el7

Complete!

[adsdevops@ushapld00213 ~]$ sudo yum install nc

[sudo] password for adsdevops:

Loaded plugins: langpacks, ulninfo

Repository epel-subscription-manager is listed more than once in the configuration

Repository epel-subscription-manager-source is listed more than once in the configuration

Repository nodesource is listed more than once in the configuration

Repository nodesource-source is listed more than once in the configuration

github\_git-lfs/x86\_64/signature | 836 B 00:00:00

github\_git-lfs/x86\_64/signature | 951 B 00:00:00 !!!

github\_git-lfs-source/signature | 836 B 00:00:00

github\_git-lfs-source/signature | 951 B 00:00:00 !!!

Resolving Dependencies

--> Running transaction check

---> Package nmap-ncat.x86\_64 2:6.40-13.el7 will be installed

--> Finished Dependency Resolution

Dependencies Resolved

==========================================================================================================================

Package Arch Version Repository Size

==========================================================================================================================

Installing:

nmap-ncat x86\_64 2:6.40-13.el7 ol7\_latest 205 k

Transaction Summary

==========================================================================================================================

Install 1 Package

Total download size: 205 k

Installed size: 423 k

Is this ok [y/d/N]: y

Downloading packages:

nmap-ncat-6.40-13.el7.x86\_64.rpm | 205 kB 00:00:01

Running transaction check

Running transaction test

Transaction test succeeded

Running transaction

Installing : 2:nmap-ncat-6.40-13.el7.x86\_64 1/1

Verifying : 2:nmap-ncat-6.40-13.el7.x86\_64 1/1

Installed:

nmap-ncat.x86\_64 2:6.40-13.el7

Complete!

1. Copy the config file from .ssh folder from existing slave to new slave
2. Generate ssh key using adsdevops user

[adsdevops@ushapld00213 ~]$ ssh-keygen -t rsa

Generating public/private rsa key pair.

Enter file in which to save the key (/Data/home/adsdevops/.ssh/id\_rsa):

Created directory '/Data/home/adsdevops/.ssh'.

Enter passphrase (empty for no passphrase):

Enter same passphrase again:

Your identification has been saved in /Data/home/adsdevops/.ssh/id\_rsa.

Your public key has been saved in /Data/home/adsdevops/.ssh/id\_rsa.pub

1. Copy the public key (.ssh/id\_rsa.pub) and paste it in SSH Keys in Github
2. Create .gitconfig file in home directory and paste below contents:

[url "https://"]

insteadOf = git://

[url "ssh://git@github.com"]

insteadOf = git://github.com

[http]

proxy = socks5://173.213.216.20:80

[https]

proxy = socks5://173.213.216.20:80

[user]

email = appdev.jenkins@nbcuni.com

name = pamci

[url "ssh://"]

insteadOf = https://

# Change user’s home directory

1. Create a directory /Data/home/adsdevops on the newly created slave
2. Open /etc/passwd file from root user
3. Go to adsdevops user and modify the home directory (/home/adsdevops TO /Data/home/adsdevops) user
4. Copy all the .ssh, bash\_profile, bashrc files/dir’s to newly created directory (/Data/home/adsdevops)
5. Relogin as adsdevops user, you would find the new home directory being pointed to

# Installing Yum repo

1. For this copy all the repo files from /etc/yum.repos.d from slave/master..
2. Add the proxy settings to root and adsdevops user’s .bashrc and .bash\_profile
3. Reload the bash\_profile and get the yum working (source ~/.bash\_profile)
4. Copy file /etc/pki/rpm-gpg/RPM-GPG-KEY-EPEL-7 from other slave

# OpenJDK 1.8.0 setup

[root@ushapld00194 tmp]# yum install java-1.8.0-openjdk-devel

Loaded plugins: langpacks, ulninfo

Resolving Dependencies

--> Running transaction check

---> Package java-1.8.0-openjdk-devel.x86\_64 1:1.8.0.161-0.b14.el7\_4 will be installed

--> Processing Dependency: java-1.8.0-openjdk(x86-64) = 1:1.8.0.161-0.b14.el7\_4 for package: 1:java-1.8.0-openjdk-devel-1.8.0.161-0.b14.el7\_4.x86\_64

--> Processing Dependency: libawt\_xawt.so(SUNWprivate\_1.1)(64bit) for package: 1:java-1.8.0-openjdk-devel-1.8.0.161-0.b14.el7\_4.x86\_64

--> Processing Dependency: libawt\_xawt.so()(64bit) for package: 1:java-1.8.0-openjdk-devel-1.8.0.161-0.b14.el7\_4.x86\_64

--> Running transaction check

---> Package java-1.8.0-openjdk.x86\_64 1:1.8.0.161-0.b14.el7\_4 will be installed

--> Finished Dependency Resolution

Dependencies Resolved

================================================================================================================================

Package Arch Version Repository Size

================================================================================================================================

Installing:

java-1.8.0-openjdk-devel x86\_64 1:1.8.0.161-0.b14.el7\_4 ol7\_latest 9.8 M

Installing for dependencies:

java-1.8.0-openjdk x86\_64 1:1.8.0.161-0.b14.el7\_4 ol7\_latest 242 k

Transaction Summary

================================================================================================================================

Install 1 Package (+1 Dependent package)

Total download size: 10 M

Installed size: 41 M

Is this ok [y/d/N]: y

Downloading packages:

(1/2): java-1.8.0-openjdk-1.8.0.161-0.b14.el7\_4.x86\_64.rpm | 242 kB 00:00:00

(2/2): java-1.8.0-openjdk-devel-1.8.0.161-0.b14.el7\_4.x86\_64.rpm | 9.8 MB 00:00:07

--------------------------------------------------------------------------------------------------------------------------------

Total 1.3 MB/s | 10 MB 00:00:07

Running transaction check

Running transaction test

Transaction test succeeded

Running transaction

Installing : 1:java-1.8.0-openjdk-1.8.0.161-0.b14.el7\_4.x86\_64 1/2

Installing : 1:java-1.8.0-openjdk-devel-1.8.0.161-0.b14.el7\_4.x86\_64 2/2

Verifying : 1:java-1.8.0-openjdk-devel-1.8.0.161-0.b14.el7\_4.x86\_64 1/2

Verifying : 1:java-1.8.0-openjdk-1.8.0.161-0.b14.el7\_4.x86\_64 2/2

Installed:

java-1.8.0-openjdk-devel.x86\_64 1:1.8.0.161-0.b14.el7\_4

Dependency Installed:

java-1.8.0-openjdk.x86\_64 1:1.8.0.161-0.b14.el7\_4

Complete!

[root@ushapld00194 tmp]# java -version

openjdk version "1.8.0\_161"

OpenJDK Runtime Environment (build 1.8.0\_161-b14)

OpenJDK 64-Bit Server VM (build 25.161-b14, mixed mode)

[root@ushapld00194 tmp]# readlink /bin/javac

/etc/alternatives/javac

[root@ushapld00194 tmp]# readlink /etc/alternatives/javac

/usr/lib/jvm/java-1.8.0-openjdk-1.8.0.161-0.b14.el7\_4.x86\_64/bin/javac

[root@ushapld00194 tmp]# cat ~/.bash\_profile

# .bash\_profile

# Get the aliases and functions

if [ -f ~/.bashrc ]; then

. ~/.bashrc

fi

export http\_proxy=http://173.213.216.20:80

export https\_proxy=https://173.213.216.20:80

# User specific environment and startup programs

PATH=$PATH:$HOME/bin

export JAVA\_HOME=/usr/lib/jvm/java-1.8.0-openjdk-1.8.0.161-0.b14.el7\_4.x86\_64/

export PATH

# Maven 3.5.2 Setup

[root@ushapld00194 tmp]# cd /usr/local

[root@ushapld00194 local]# ls

apache-maven-3.5.2 bin etc games include lib lib64 libexec sbin share src

[root@ushapld00194 apache-maven-3.5.2]# ll

total 48

drwxr-xr-x. 2 root root 4096 Jan 31 06:35 bin

drwxr-xr-x. 2 root root 4096 Jan 31 06:35 boot

drwxr-xr-x. 3 root root 4096 Oct 18 00:55 conf

drwxr-xr-x. 4 root root 4096 Jan 31 06:35 lib

-rw-r--r--. 1 root root 20943 Oct 18 00:59 LICENSE

-rw-r--r--. 1 root root 182 Oct 18 00:59 NOTICE

-rw-r--r--. 1 root root 2544 Oct 18 00:55 README.txt

[root@ushapld00194 apache-maven-3.5.2]# export M2\_HOME=/usr/local/apache-maven-3.2.5^C

[root@ushapld00194 apache-maven-3.5.2]# export M2\_HOME=/usr/local/apache-maven-3.2.5

[root@ushapld00194 apache-maven-3.5.2]# ls /usr/local/apache-maven-3.5.2/

bin/ boot/ conf/ lib/ LICENSE NOTICE README.txt

[root@ushapld00194 apache-maven-3.5.2]# ls /usr/local/apache-maven-3.5.2/^C

[root@ushapld00194 apache-maven-3.5.2]# vim ~/.bash\_profile

[root@ushapld00194 apache-maven-3.5.2]# export M2\_HOME=/usr/local/apache-maven-3.5.2/

[root@ushapld00194 apache-maven-3.5.2]# cat ~/.bash\_profile

# .bash\_profile

# Get the aliases and functions

if [ -f ~/.bashrc ]; then

. ~/.bashrc

fi

export http\_proxy=http://173.213.216.20:80

export https\_proxy=https://173.213.216.20:80

# User specific environment and startup programs

PATH=$PATH:$HOME/bin

export JAVA\_HOME=/usr/lib/jvm/java-1.8.0-openjdk-1.8.0.161-0.b14.el7\_4.x86\_64/

export M2\_HOME=/usr/local/apache-maven-3.5.2/

export PATH=$PATH:$M2\_HOME/bin

[root@ushapld00194 apache-maven-3.5.2]# source ~/.bash\_profile

[root@ushapld00194 apache-maven-3.5.2]# mvn -version

Apache Maven 3.5.2 (138edd61fd100ec658bfa2d307c43b76940a5d7d; 2017-10-18T00:58:13-07:00)

Maven home: /usr/local/apache-maven-3.5.2

Java version: 1.8.0\_161, vendor: Oracle Corporation

Java home: /usr/lib/jvm/java-1.8.0-openjdk-1.8.0.161-0.b14.el7\_4.x86\_64/jre

Default locale: en\_US, platform encoding: UTF-8

OS name: "linux", version: "4.1.12-94.3.9.el7uek.x86\_64", arch: "amd64", family: "unix"

# Ruby 2.0.0 Setup

[root@ushapld00194 tmp]# yum install ruby

Loaded plugins: langpacks, ulninfo

Resolving Dependencies

--> Running transaction check

---> Package ruby.x86\_64 0:2.0.0.648-30.el7 will be installed

--> Processing Dependency: ruby-libs(x86-64) = 2.0.0.648-30.el7 for package: ruby-2.0.0.648-30.el7.x86\_64

--> Processing Dependency: rubygem(bigdecimal) >= 1.2.0 for package: ruby-2.0.0.648-30.el7.x86\_64

--> Processing Dependency: ruby(rubygems) >= 2.0.14.1 for package: ruby-2.0.0.648-30.el7.x86\_64

--> Processing Dependency: libruby.so.2.0()(64bit) for package: ruby-2.0.0.648-30.el7.x86\_64

--> Running transaction check

---> Package ruby-libs.x86\_64 0:2.0.0.648-30.el7 will be installed

---> Package rubygem-bigdecimal.x86\_64 0:1.2.0-30.el7 will be installed

---> Package rubygems.noarch 0:2.0.14.1-30.el7 will be installed

--> Processing Dependency: rubygem(rdoc) >= 4.0.0 for package: rubygems-2.0.14.1-30.el7.noarch

--> Processing Dependency: rubygem(io-console) >= 0.4.2 for package: rubygems-2.0.14.1-30.el7.noarch

--> Processing Dependency: rubygem(psych) >= 2.0.0 for package: rubygems-2.0.14.1-30.el7.noarch

--> Running transaction check

---> Package rubygem-io-console.x86\_64 0:0.4.2-30.el7 will be installed

---> Package rubygem-psych.x86\_64 0:2.0.0-30.el7 will be installed

--> Processing Dependency: libyaml-0.so.2()(64bit) for package: rubygem-psych-2.0.0-30.el7.x86\_64

---> Package rubygem-rdoc.noarch 0:4.0.0-30.el7 will be installed

--> Processing Dependency: ruby(irb) = 2.0.0.648 for package: rubygem-rdoc-4.0.0-30.el7.noarch

--> Processing Dependency: rubygem(json) >= 1.7.7 for package: rubygem-rdoc-4.0.0-30.el7.noarch

--> Running transaction check

---> Package libyaml.x86\_64 0:0.1.4-11.el7\_0 will be installed

---> Package ruby-irb.noarch 0:2.0.0.648-30.el7 will be installed

---> Package rubygem-json.x86\_64 0:1.7.7-30.el7 will be installed

--> Finished Dependency Resolution

Dependencies Resolved

================================================================================================================================

Package Arch Version Repository Size

================================================================================================================================

Installing:

ruby x86\_64 2.0.0.648-30.el7 ol7\_latest 68 k

Installing for dependencies:

libyaml x86\_64 0.1.4-11.el7\_0 ol7\_latest 54 k

ruby-irb noarch 2.0.0.648-30.el7 ol7\_latest 89 k

ruby-libs x86\_64 2.0.0.648-30.el7 ol7\_latest 2.8 M

rubygem-bigdecimal x86\_64 1.2.0-30.el7 ol7\_latest 80 k

rubygem-io-console x86\_64 0.4.2-30.el7 ol7\_latest 51 k

rubygem-json x86\_64 1.7.7-30.el7 ol7\_latest 77 k

rubygem-psych x86\_64 2.0.0-30.el7 ol7\_latest 78 k

rubygem-rdoc noarch 4.0.0-30.el7 ol7\_latest 319 k

rubygems noarch 2.0.14.1-30.el7 ol7\_latest 216 k

Transaction Summary

================================================================================================================================

Install 1 Package (+9 Dependent packages)

Total download size: 3.8 M

Installed size: 13 M

Is this ok [y/d/N]: y

Downloading packages:

(1/10): libyaml-0.1.4-11.el7\_0.x86\_64.rpm | 54 kB 00:00:04

(2/10): ruby-2.0.0.648-30.el7.x86\_64.rpm | 68 kB 00:00:04

(3/10): ruby-irb-2.0.0.648-30.el7.noarch.rpm | 89 kB 00:00:00

(4/10): rubygem-bigdecimal-1.2.0-30.el7.x86\_64.rpm | 80 kB 00:00:00

(5/10): rubygem-io-console-0.4.2-30.el7.x86\_64.rpm | 51 kB 00:00:00

(6/10): ruby-libs-2.0.0.648-30.el7.x86\_64.rpm | 2.8 MB 00:00:02

(7/10): rubygem-json-1.7.7-30.el7.x86\_64.rpm | 77 kB 00:00:00

(8/10): rubygem-psych-2.0.0-30.el7.x86\_64.rpm | 78 kB 00:00:00

(9/10): rubygem-rdoc-4.0.0-30.el7.noarch.rpm | 319 kB 00:00:01

(10/10): rubygems-2.0.14.1-30.el7.noarch.rpm | 216 kB 00:00:01

--------------------------------------------------------------------------------------------------------------------------------

Total 419 kB/s | 3.8 MB 00:00:09

Running transaction check

Running transaction test

Transaction test succeeded

Running transaction

Installing : ruby-libs-2.0.0.648-30.el7.x86\_64 1/10

Installing : libyaml-0.1.4-11.el7\_0.x86\_64 2/10

Installing : rubygem-json-1.7.7-30.el7.x86\_64 3/10

Installing : rubygem-io-console-0.4.2-30.el7.x86\_64 4/10

Installing : rubygem-rdoc-4.0.0-30.el7.noarch 5/10

Installing : ruby-irb-2.0.0.648-30.el7.noarch 6/10

Installing : ruby-2.0.0.648-30.el7.x86\_64 7/10

Installing : rubygem-bigdecimal-1.2.0-30.el7.x86\_64 8/10

Installing : rubygems-2.0.14.1-30.el7.noarch 9/10

Installing : rubygem-psych-2.0.0-30.el7.x86\_64 10/10

Verifying : libyaml-0.1.4-11.el7\_0.x86\_64 1/10

Verifying : rubygem-json-1.7.7-30.el7.x86\_64 2/10

Verifying : rubygem-rdoc-4.0.0-30.el7.noarch 3/10

Verifying : ruby-irb-2.0.0.648-30.el7.noarch 4/10

Verifying : ruby-2.0.0.648-30.el7.x86\_64 5/10

Verifying : ruby-libs-2.0.0.648-30.el7.x86\_64 6/10

Verifying : rubygem-io-console-0.4.2-30.el7.x86\_64 7/10

Verifying : rubygem-psych-2.0.0-30.el7.x86\_64 8/10

Verifying : rubygems-2.0.14.1-30.el7.noarch 9/10

Verifying : rubygem-bigdecimal-1.2.0-30.el7.x86\_64 10/10

Installed:

ruby.x86\_64 0:2.0.0.648-30.el7

Dependency Installed:

libyaml.x86\_64 0:0.1.4-11.el7\_0 ruby-irb.noarch 0:2.0.0.648-30.el7 ruby-libs.x86\_64 0:2.0.0.648-30.el7

rubygem-bigdecimal.x86\_64 0:1.2.0-30.el7 rubygem-io-console.x86\_64 0:0.4.2-30.el7 rubygem-json.x86\_64 0:1.7.7-30.el7

rubygem-psych.x86\_64 0:2.0.0-30.el7 rubygem-rdoc.noarch 0:4.0.0-30.el7 rubygems.noarch 0:2.0.14.1-30.el7

Complete!

[root@ushapld00198 tmp]# ruby -v

ruby 2.0.0p648 (2015-12-16) [x86\_64-linux]

# Rake 12.3.0 Setup

[root@ushapld00194 tmp]# gem --version

2.0.14.1

[root@ushapld00194 tmp]# gem install rake

Fetching: rake-12.3.0.gem (100%)

Successfully installed rake-12.3.0

Parsing documentation for rake-12.3.0

Installing ri documentation for rake-12.3.0

1 gem installed

[root@ushapld00194 tmp]# rake --version

rake, version 12.3.0

[root@ushapld00194 tmp]#

# Bundler 1.61.0 setup

[root@ushapld00194 tmp]# gem install bundler

Fetching: bundler-1.16.1.gem (100%)

Successfully installed bundler-1.16.1

Parsing documentation for bundler-1.16.1

Installing ri documentation for bundler-1.16.1

1 gem installed

# RVM Setup

1. Install pre-req packages: gcc-c++ patch readline readline-devel zlib zlib-devel libyaml-devel libffi-devel openssl-devel make bzip2 autoconf automake libtool bison iconv-devel sqlite-devel

Package gcc-c++-4.8.5-16.el7\_4.1.x86\_64 already installed and latest version

Package patch-2.7.1-8.el7.x86\_64 already installed and latest version

Package readline-6.2-10.el7.x86\_64 already installed and latest version

Package zlib-1.2.7-17.el7.x86\_64 already installed and latest version

Package zlib-devel-1.2.7-17.el7.x86\_64 already installed and latest version

No package [1mlibyaml-devel(B[m available.

Package 1:make-3.82-23.el7.x86\_64 already installed and latest version

Package bzip2-1.0.6-13.el7.x86\_64 already installed and latest version

Package autoconf-2.69-11.el7.noarch already installed and latest version

Package automake-1.13.4-3.el7.noarch already installed and latest version

Package libtool-2.4.2-22.el7\_3.x86\_64 already installed and latest version

Package bison-3.0.4-1.el7.x86\_64 already installed and latest version

No package [1miconv-devel(B[m available.

Dependencies Resolved

=============================================================================================================================================

Package Arch Version Repository Size

=============================================================================================================================================

Installing:

libffi-devel x86\_64 3.0.13-18.el7 ol7\_latest 23 k

openssl-devel x86\_64 1:1.0.2k-8.0.1.el7 ol7\_latest 1.5 M

readline-devel x86\_64 6.2-10.el7 ol7\_latest 138 k

sqlite-devel x86\_64 3.7.17-8.el7 ol7\_latest 104 k

Installing for dependencies:

keyutils-libs-devel x86\_64 1.5.8-3.el7 ol7\_latest 37 k

krb5-devel x86\_64 1.15.1-8.el7 ol7\_latest 266 k

libcom\_err-devel x86\_64 1.42.9-10.0.1.el7 ol7\_latest 30 k

libkadm5 x86\_64 1.15.1-8.el7 ol7\_latest 173 k

libselinux-devel x86\_64 2.5-11.el7 ol7\_latest 186 k

libsepol-devel x86\_64 2.5-6.el7 ol7\_latest 74 k

libverto-devel x86\_64 0.2.5-4.el7 ol7\_latest 11 k

ncurses-devel x86\_64 5.9-14.20130511.el7\_4 ol7\_latest 712 k

pcre-devel x86\_64 8.32-17.el7 ol7\_latest 479 k

Transaction Summary

1. Import rvm utility: curl -sSL https://rvm.io/mpapis.asc | gpg --import -

adsdevops@ushapld00194:~[adsdevops@ushapld00194 ~]$ curl -sSL https://rvm.io/mpapis.asc | gpg --import -

gpg: directory `/home/adsdevops/.gnupg' created

gpg: new configuration file `/home/adsdevops/.gnupg/gpg.conf' created

gpg: WARNING: options in `/home/adsdevops/.gnupg/gpg.conf' are not yet active during this run

gpg: keyring `/home/adsdevops/.gnupg/secring.gpg' created

gpg: keyring `/home/adsdevops/.gnupg/pubring.gpg' created

gpg: /home/adsdevops/.gnupg/trustdb.gpg: trustdb created

gpg: key D39DC0E3: public key "Michal Papis (RVM signing) <mpapis@gmail.com>" imported

gpg: Total number processed: 1

gpg: imported: 1 (RSA: 1)

gpg: no ultimately trusted keys found

1. Install rvm: curl -L get.rvm.io | bash -s stable

[adsdevops@ushapld00194 ~]$ curl -L get.rvm.io | bash -s stable

% Total % Received % Xferd Average Speed Time Time Time Current

Dload Upload Total Spent Left Speed

0 0 0 0 0 0 0 0 --:--:-- --:--:-- --:--:-- 0 0 0 0 0 0 0 0 0 --:--:-- 0:00:01 --:--:-- 0 0 0 0 0 0 0 0 0 --:--:-- 0:00:02 --:--:-- 0 0 0 0 0 0 0 0 0 --:--:-- 0:00:03 --:--:-- 0 0 0 0 0 0 0 0 0 --:--:-- 0:00:04 --:--:-- 0 0 0 0 0 0 0 0 0 --:--:-- 0:00:05 --:--:-- 0100 194 100 194 0 0 35 0 0:00:05 0:00:05 --:--:-- 43

0 0 0 0 0 0 0 0 --:--:-- 0:00:06 --:--:-- 0 0 0 0 0 0 0 0 0 --:--:-- 0:00:07 --:--:-- 0 0 0 0 0 0 0 0 0 --:--:-- 0:00:08 --:--:-- 0 0 0 0 0 0 0 0 0 --:--:-- 0:00:09 --:--:-- 0 0 0 0 0 0 0 0 0 --:--:-- 0:00:10 --:--:-- 0

0 0 0 0 0 0 0 0 --:--:-- 0:00:11 --:--:-- 0 0 0 0 0 0 0 0 0 --:--:-- 0:00:11 --:--:-- 0100 24090 100 24090 0 0 1976 0 0:00:12 0:00:12 --:--:-- 6671

Downloading https://github.com/rvm/rvm/archive/1.29.3.tar.gz

Downloading https://github.com/rvm/rvm/releases/download/1.29.3/1.29.3.tar.gz.asc

gpg: Signature made Sun 10 Sep 2017 01:59:21 PM PDT using RSA key ID BF04FF17

gpg: Good signature from "Michal Papis (RVM signing) <mpapis@gmail.com>"

gpg: aka "Michal Papis <michal.papis@toptal.com>"

gpg: aka "[jpeg image of size 5015]"

gpg: WARNING: This key is not certified with a trusted signature!

gpg: There is no indication that the signature belongs to the owner.

Primary key fingerprint: 409B 6B17 96C2 7546 2A17 0311 3804 BB82 D39D C0E3

Subkey fingerprint: 62C9 E5F4 DA30 0D94 AC36 166B E206 C29F BF04 FF17

GPG verified '/home/adsdevops/.rvm/archives/rvm-1.29.3.tgz'

[32m

Installing RVM to /home/adsdevops/.rvm/[0m

Adding rvm PATH line to /home/adsdevops/.profile /home/adsdevops/.mkshrc /home/adsdevops/.bashrc /home/adsdevops/.zshrc.

Adding rvm loading line to /home/adsdevops/.profile /home/adsdevops/.bash\_profile /home/adsdevops/.zlogin.

[32mInstallation of RVM in /home/adsdevops/.rvm/ is almost complete:[0m

\* To start using RVM you need to run `source /home/adsdevops/.rvm/scripts/rvm`

in all your open shell windows, in rare cases you need to reopen all shell windows

1. Re-Load the rvm from profile:

[adsdevops@ushapld00194 ~]$ source /home/adsdevops/.rvm/scripts/rvm

1. Reload rvm by using - rvm reload

[adsdevops@ushapld00194 ~]$ rvm reload

RVM reloaded!

1. Run the requirement for rvm if any pending - rvm requirements run

[adsdevops@ushapld00194 ~]$ rvm requirements run

[32mChecking requirements for oracle.[0m

[32mInstalling requirements for oracle.[0m

[32mInstalling required packages: libyaml-devel

[31mError running 'requirements\_centos\_libs\_install libyaml-devel'

[31mplease read /home/adsdevops/.rvm/log/1517481251/package\_install\_libyaml-devel.log[0m

[31mRequirements installation failed with status: 1

1. Install all the required packages that are missing and re-run the requirements

[adsdevops@ushapld00194 ~]$ rvm requirements run

[32mChecking requirements for oracle.[0m

[32mRequirements installation successful.[0m

1. Once RVM is installed, you can install a recent version of Ruby, for example, Ruby 2.3.1

[adsdevops@ushapld00194 ~]$ rvm install 2.3.1

[32mSearching for binary rubies, this might take some time.[0m

[33mNo binary rubies available for: oracle/7/x86\_64/ruby-2.3.1.

Continuing with compilation. Please read 'rvm help mount' to get more information on binary rubies.[0m

[32mChecking requirements for oracle.[0m

[32mRequirements installation successful.[0m

[32mInstalling Ruby from source to: /home/adsdevops/.rvm/rubies/ruby-2.3.1, this may take a while depending on your cpu(s)...[0m

[32mruby-2.3.1 - #downloading ruby-2.3.1, this may take a while depending on your connection...[0m

% Total % Received % Xferd Average Speed Time Time Time Current

Dload Upload Total Spent Left Speed

0 0 0 0 0 0 0 0 --:--:-- --:--:-- --:--:-- 0 0 0 0 0 0 0 0 0 --:--:-- 0:00:01 --:--:-- 0 0 0 0 0 0 0 0 0 --:--:-- 0:00:02 --:--:-- 0 0 0 0 0 0 0 0 0 --:--:-- 0:00:03 --:--:-- 0 0 0 0 0 0 0 0 0 --:--:-- 0:00:04 --:--:-- 0 0 0 0 0 0 0 0 0 --:--:-- 0:00:05 --:--:-- 0 0 0 0 0 0 0 0 0 --:--:-- 0:00:06 --:--:-- 0 0 0 0 0 0 0 0 0 --:--:-- 0:00:07 --:--:-- 0 0 0 0 0 0 0 0 0 --:--:-- 0:00:07 --:--:-- 0 0 0 0 0 0 0 0 0 --:--:-- 0:00:08 --:--:-- 0 0 0 0 0 0 0 0 0 --:--:-- 0:00:09 --:--:-- 0 0 0 0 0 0 0 0 0 --:--:-- 0:00:10 --:--:-- 0 1 13.7M 1 176k 0 0 15804 0 0:15:13 0:00:11 0:15:02 41641 6 13.7M 6 928k 0 0 76621 0 0:03:08 0:00:12 0:02:56 187k 14 13.7M 14 1984k 0 0 147k 0 0:01:35 0:00:13 0:01:22 416k 23 13.7M 23 3344k 0 0 232k 0 0:01:00 0:00:14 0:00:46 704k 35 13.7M 35 5008k 0 0 324k 0 0:00:43 0:00:15 0:00:28 1054k 47 13.7M 47 6640k 0 0 403k 0 0:00:34 0:00:16 0:00:18 1282k 58 13.7M 58 8240k 0 0 473k 0 0:00:29 0:00:17 0:00:12 1461k 69 13.7M 69 9856k 0 0 535k 0 0:00:26 0:00:18 0:00:08 1575k 81 13.7M 81 11.1M 0 0 590k 0 0:00:23 0:00:19 0:00:04 1623k 93 13.7M 93 12.8M 0 0 642k 0 0:00:21 0:00:20 0:00:01 1621k100 13.7M 100 13.7M 0 0 670k 0 0:00:21 0:00:21 --:--:-- 1633k

[32mruby-2.3.1 - #extracting ruby-2.3.1 to /home/adsdevops/.rvm/src/ruby-2.3.1

[32mruby-2.3.1 - #applying patch /home/adsdevops/.rvm/patches/ruby/ruby\_2\_3\_gcc7.patch

[32mruby-2.3.1 - #applying patch /home/adsdevops/.rvm/patches/ruby/2.3.1/random\_c\_using\_NR\_prefix.patch

[32mruby-2.3.1 - #configuring

[32mruby-2.3.1 - #post-configuration

[32mruby-2.3.1 - #compiling

[32mruby-2.3.1 - #installing

[32mruby-2.3.1 - #making binaries executable

[32mruby-2.3.1 - #downloading rubygems-2.6.14

% Total % Received % Xferd Average Speed Time Time Time Current

Dload Upload Total Spent Left Speed

0 0 0 0 0 0 0 0 --:--:-- --:--:-- --:--:-- 0 8 751k 8 64506 0 0 79061 0 0:00:09 --:--:-- 0:00:09 79051 85 751k 85 638k 0 0 352k 0 0:00:02 0:00:01 0:00:01 352k100 751k 100 751k 0 0 386k 0 0:00:01 0:00:01 --:--:-- 386k

[33mNo checksum for downloaded archive, recording checksum in user configuration.[0m

[32mruby-2.3.1 - #extracting rubygems-2.6.14

[32mruby-2.3.1 - #removing old rubygems

[32mruby-2.3.1 - #installing rubygems-2.6.14

[32mruby-2.3.1 - #gemset created /home/adsdevops/.rvm/gems/ruby-2.3.1@global

[32mruby-2.3.1 - #importing gemset /home/adsdevops/.rvm/gemsets/global.gems

[32mruby-2.3.1 - #generating global wrappers

[32mruby-2.3.1 - #gemset created /home/adsdevops/.rvm/gems/ruby-2.3.1

[32mruby-2.3.1 - #importing gemsetfile /home/adsdevops/.rvm/gemsets/default.gems evaluated to empty gem list

[32mruby-2.3.1 - #generating default wrappers

[32mruby-2.3.1 - #adjusting #shebangs for (gem irb erb ri rdoc testrb rake).[0m

[32mInstall of ruby-2.3.1 - #complete [0m

[33mPlease be aware that you just installed a ruby that requires 2 patches just to be compiled on an up to date linux system.

This may have known and unaccounted for security vulnerabilities.

Please consider upgrading to ruby-2.4.1 which will have all of the latest security patches.[0m

[32mRuby was built without documentation, to build it run: rvm docs generate-ri

1. Do an list of rvm for the available ones on the server

[adsdevops@ushapld00194 ~]$ rvm list

rvm rubies

ruby-2.3.0 [ x86\_64 ]

=\* ruby-2.3.1 [ x86\_64 ]

# => - current

# =\* - current && default

# \* - default

# NVM Setup

1. Install nvm - curl https://raw.githubusercontent.com/creationix/nvm/v0.25.0/install.sh | bash
2. Re-load bashrc file - source ~/.bashrc
3. Verify nvm version: nvm –version

# Nodejs setup

1. Install nodejs by yum: sudo yum install nodejs

Dependencies Resolved

=============================================================================================================================================

Package Arch Version Repository Size

=============================================================================================================================================

Installing:

nodejs x86\_64 2:8.9.4-1nodesource nodesource 17 M

Transaction Summary

1. Verify node version:

[adsdevops@ushapld00194 ~]$ node -v

v8.9.4

If you don’t get the exact version above, follow below commands:

1. Ensure you have only 8.x repo in /etc/yum.repos.d/nodesource\*.repo files
2. sudo yum clean all
3. List all the versions available for nodejs: yum --showduplicates list nodejs
4. Install particular version 8.9.4: sudo yum install nodejs-8.9.4-1nodesource
5. Copy the key file from other slave: sudo cp -pvrf NODESOURCE-GPG-SIGNING-KEY-EL /etc/pki/rpm-gpg/
6. Change ownershipts to root: sudo chown root:root /etc/pki/rpm-gpg/NODESOURCE-GPG-SIGNING-KEY-EL

# cmake3 Setup

[adsdevops@ushapld00194 ~]$ yum install cmake3

Loaded plugins: langpacks, ulninfo

Repository epel-subscription-manager is listed more than once in the configuration

Repository epel-subscription-manager-source is listed more than once in the configuration

Resolving Dependencies

--> Running transaction check

---> Package cmake3.x86\_64 0:3.6.3-1.el7 will be installed

--> Processing Dependency: cmake3-data = 3.6.3-1.el7 for package: cmake3-3.6.3-1.el7.x86\_64

--> Processing Dependency: libarchive.so.13()(64bit) for package: cmake3-3.6.3-1.el7.x86\_64

--> Processing Dependency: libjsoncpp.so.0()(64bit) for package: cmake3-3.6.3-1.el7.x86\_64

--> Running transaction check

---> Package cmake3-data.noarch 0:3.6.3-1.el7 will be installed

---> Package jsoncpp.x86\_64 0:0.10.5-2.el7 will be installed

---> Package libarchive.x86\_64 0:3.1.2-10.el7\_2 will be installed

--> Finished Dependency Resolution

Dependencies Resolved

=============================================================================================================================================

Package Arch Version Repository Size

=============================================================================================================================================

Installing:

cmake3 x86\_64 3.6.3-1.el7 epel 6.4 M

Installing for dependencies:

cmake3-data noarch 3.6.3-1.el7 epel 1.1 M

jsoncpp x86\_64 0.10.5-2.el7 epel 82 k

libarchive x86\_64 3.1.2-10.el7\_2 ol7\_latest 318 k

Transaction Summary

=============================================================================================================================================

Install 1 Package (+3 Dependent packages)

Total download size: 7.8 M

Installed size: 24 M

# Cmake Setup

[adsdevops@ushapld00194 ~]$ sudo yum install cmake

Loaded plugins: langpacks, ulninfo

Repository epel-subscription-manager is listed more than once in the configuration

Repository epel-subscription-manager-source is listed more than once in the configuration

Resolving Dependencies

--> Running transaction check

---> Package cmake.x86\_64 0:2.8.12.2-2.el7 will be installed

--> Finished Dependency Resolution

Dependencies Resolved

=============================================================================================================================================

Package Arch Version Repository Size

=============================================================================================================================================

Installing:

cmake x86\_64 2.8.12.2-2.el7 ol7\_latest 7.0 M

Transaction Summary

=============================================================================================================================================

Install 1 Package

Total download size: 7.0 M

Installed size: 27 M

# Pronto Setup

1. Execute pronto installation by using gems - gem install pronto
2. Verify version

[adsdevops@ushapld00194 ~]$ pronto -v

0.9.5

# Rubocop setup

gem install pronto-rubocop

# Brakeman Setup

gem install pronto-brakeman

# Rails best practices Setup

pronto-rails\_best\_practices

# Flay Setup

gem install pronto-flay

# tslint-typescript Setup

npm install tslint typescript –g

# CF Setup

gem install cf

without gem:

[adsdevops@ushaplp00591 ~]$ sudo yum install cf-cli

Loaded plugins: langpacks, rhnplugin, versionlock

This system is receiving updates from Spacewalk server.

Repository epel-subscription-manager is listed more than once in the configuration

Repository epel-subscription-manager-source is listed more than once in the configuration

Repository nodesource is listed more than once in the configuration

Repository nodesource-source is listed more than once in the configuration

Resolving Dependencies

--> Running transaction check

---> Package cf-cli.x86\_64 0:6.38.0-1 will be installed

--> Finished Dependency Resolution

Dependencies Resolved

========================================================================================================================================================================

Package Arch Version Repository Size

========================================================================================================================================================================

Installing:

cf-cli x86\_64 6.38.0-1 cloudfoundry-cli 5.8 M

Transaction Summary

========================================================================================================================================================================

Install 1 Package

Total download size: 5.8 M

Installed size: 16 M

Is this ok [y/d/N]: y

Downloading packages:

warning: /var/cache/yum/x86\_64/7Server/cloudfoundry-cli/packages/cf-cli-installer\_6.38.0\_x86-64.rpm: Header V4 RSA/SHA1 Signature, key ID 50c212b6: NOKEY 00:00:00 ETA

Public key for cf-cli-installer\_6.38.0\_x86-64.rpm is not installed

cf-cli-installer\_6.38.0\_x86-64.rpm | 5.8 MB 00:00:11

Retrieving key from https://packages.cloudfoundry.org/fedora/cli.cloudfoundry.org.key

Importing GPG key 0x50C212B6:

Userid : "CF CLI Team <cf-cli-eng@pivotal.io>"

Fingerprint: 56ef f915 1b51 acd9 a211 a5a3 5733 fec0 50c2 12b6

From : https://packages.cloudfoundry.org/fedora/cli.cloudfoundry.org.key

Is this ok [y/N]: y

Running transaction check

Running transaction test

Transaction test succeeded

Running transaction

Installing : cf-cli-6.38.0-1.x86\_64 1/1

Verifying : cf-cli-6.38.0-1.x86\_64 1/1

Installed:

cf-cli.x86\_64 0:6.38.0-1

Complete!

[adsdevops@ushaplp00591 ~]$ cf login

API endpoint> ^C

[adsdevops@ushaplp00591 ~]$

# ext-jruby-9.1.5.0 setup

[adsdevops@ushapld00194 ~]$ rvm install "ext-jruby-9.1.5.0"

Warning! PATH is not properly set up, '/home/adsdevops/.rvm/gems/ruby-2.3.1/bin' is not at first place.

Usually this is caused by shell initialization files. Search for 'PATH=...' entries.

You can also re-add RVM to your profile by running: 'rvm get stable --auto-dotfiles'.

To fix it temporarily in this shell session run: 'rvm use ruby-2.3.1'.

To ignore this error add rvm\_silence\_path\_mismatch\_check\_flag=1 to your ~/.rvmrc file.

Searching for binary rubies, this might take some time.

**No binary rubies available for: oracle/7/x86\_64/ext.**

Continuing with compilation. Please read 'rvm help mount' to get more information on binary rubies.

RVM does not have prediction for required space for ext-jruby-9.1.5.0, assuming 150MB should be enough, let us know if it was not.

Either the ruby interpreter is unknown or there was an error!.

[adsdevops@ushapld00194 ~]$ rvm install jruby-9.1.5.0

Warning! PATH is not properly set up, '/home/adsdevops/.rvm/gems/ruby-2.3.1/bin' is not at first place.

Usually this is caused by shell initialization files. Search for 'PATH=...' entries.

You can also re-add RVM to your profile by running: 'rvm get stable --auto-dotfiles'.

To fix it temporarily in this shell session run: 'rvm use ruby-2.3.1'.

To ignore this error add rvm\_silence\_path\_mismatch\_check\_flag=1 to your ~/.rvmrc file.

Searching for binary rubies, this might take some time.

Found remote file https://s3.amazonaws.com/jruby.org/downloads/9.1.5.0/jruby-bin-9.1.5.0.tar.gz

Checking requirements for oracle.

Requirements installation successful.

jruby-9.1.5.0 - #configure

jruby-9.1.5.0 - #download

\*\* Resuming transfer from byte position 14671872

% Total % Received % Xferd Average Speed Time Time Time Current

Dload Upload Total Spent Left Speed

100 16.4M 100 16.4M 0 0 1553k 0 0:00:10 0:00:10 --:--:-- 1694k

jruby-9.1.5.0 - #validate archive

jruby-9.1.5.0 - #extract

jruby-9.1.5.0 - #validate binary

jruby-9.1.5.0 - #setup

jruby-9.1.5.0 - #gemset created /home/adsdevops/.rvm/gems/jruby-9.1.5.0@global

jruby-9.1.5.0 - #importing gemset /home/adsdevops/.rvm/gemsets/jruby/global.gems-

jruby-9.1.5.0 - #generating global wrappers........

jruby-9.1.5.0 - #gemset created /home/adsdevops/.rvm/gems/jruby-9.1.5.0

jruby-9.1.5.0 - #importing gemsetfile /home/adsdevops/.rvm/gemsets/default.gems evaluated to empty gem list

jruby-9.1.5.0 - #generating default wrappers........

[adsdevops@ushapld00194 ~]$

# QT4 setup

1. Copy qt-everywhere-opensource-src-4.8.7.tar.gz file from QT website: <http://doc.qt.io/archives/qt-4.8/qt-embedded-install.html>
2. Create a directory /opt/qt4
3. Extract downloaded tar file: qt-everywhere-opensource-src-4.8.7.tar.gz to /opt/qt4 with adsdevops user
4. Use below command to configure with required architecture

./configure -embedded x86\_64 -prefix-install

1. Accept yes

Type '3' to view the GNU General Public License version 3.

Type 'L' to view the Lesser GNU General Public License version 2.1.

Type 'yes' to accept this license offer.

Type 'no' to decline this license offer.

Do you accept the terms of either license? Yes

1. Once QT is ready, type ‘make’ to create the library and compile all the demos, examples, tools, and tutorials
2. You should be able to see all the packages in /opt/qt4

[adsdevops@ushapld00214 devops\_resquared]$ ll /opt/qt4

total 237508

drwxr-xr-x. 2 adsdevops adsdevops 4096 Jun 22 04:25 bin

-rw-rw-r--. 1 adsdevops adsdevops 11931 May 7 2015 changes-4.8.7

drwxr-xr-x. 4 adsdevops adsdevops 4096 May 7 2015 config.profiles

-rwxrwxr-x. 1 adsdevops adsdevops 189 Jun 22 04:12 config.status

drwxr-xr-x. 8 adsdevops adsdevops 4096 Jun 22 04:08 config.tests

-rwxr-xr-x. 1 adsdevops adsdevops 319126 May 7 2015 configure

-rwxr-xr-x. 1 adsdevops adsdevops 1462272 May 7 2015 configure.exe

drwxr-xr-x. 32 adsdevops adsdevops 4096 Jun 22 04:10 demos

drwxr-xr-x. 5 adsdevops adsdevops 4096 May 7 2015 doc

drwxr-xr-x. 46 adsdevops adsdevops 4096 Jun 22 04:10 examples

drwxr-xr-x. 4 adsdevops adsdevops 4096 Jun 22 04:09 imports

drwxr-xr-x. 27 adsdevops adsdevops 4096 May 7 2015 include

-rw-r--r--. 1 adsdevops adsdevops 695 May 7 2015 INSTALL

-rw-r--r--. 1 adsdevops adsdevops 1187 May 7 2015 LGPL\_EXCEPTION.txt

drwxr-xr-x. 4 adsdevops adsdevops 4096 Jun 22 04:32 lib

-rw-r--r--. 1 adsdevops adsdevops 22961 May 7 2015 LICENSE.FDL

-rw-r--r--. 1 adsdevops adsdevops 36238 May 7 2015 LICENSE.GPL3

-rw-r--r--. 1 adsdevops adsdevops 26436 May 7 2015 LICENSE.LGPL

-rw-r--r--. 1 adsdevops adsdevops 26832 May 7 2015 LICENSE.LGPLv21

-rw-r--r--. 1 adsdevops adsdevops 8049 May 7 2015 LICENSE.LGPLv3

-rw-rw-r--. 1 adsdevops adsdevops 110797 Jun 22 04:09 Makefile

drwxr-xr-x. 111 adsdevops adsdevops 4096 Jun 22 04:09 mkspecs

drwxrwxr-x. 21 adsdevops adsdevops 4096 Jun 22 04:11 plugins

-rw-r--r--. 1 adsdevops adsdevops 7070 May 7 2015 projects.pro

drwxr-xr-x. 3 adsdevops adsdevops 4096 Jun 22 04:09 qmake

-rw-r--r--. 1 adsdevops adsdevops 241075567 Mar 21 2016 qt-everywhere-opensource-src-4.8.7.tar.gz

-rw-r--r--. 1 adsdevops adsdevops 3209 May 7 2015 README

drwxr-xr-x. 29 adsdevops adsdevops 4096 Jun 22 04:10 src

drwxr-xr-x. 2 adsdevops adsdevops 4096 May 7 2015 templates

drwxr-xr-x. 31 adsdevops adsdevops 4096 Jun 22 04:10 tools

drwxr-xr-x. 4 adsdevops adsdevops 4096 Jun 22 04:10 translations

drwxr-xr-x. 3 adsdevops adsdevops 4096 May 7 2015 util

Pronto - https://github.com/prontolabs/pronto

rubocop

/var/cache/yum/x86\_64/7Server

ol7\_latest

ol7\_UEKR4

/var/tmp

yum-jenkins-8UYPEe

# XVFB Installation:

1. Download Xvfb via below command:

wget <http://mirror.centos.org/centos/7/os/x86_64/Packages/xorg-x11-server-Xvfb-1.19.5-5.el7.x86_64.rpm>

1. Assign executable permission with below command:

chmod 755 xorg-x11-server-Xvfb-1.19.5-5.el7.x86\_64.rpm

1. Install using below command:

rpm -ivh xorg-x11-server-Xvfb-1.19.5-5.el7.x86\_64.rpm

1. Verify whether it installed successfully with below command. It should show the result as below:

[adsdevops@ushaplp00591 ~]$ rpm -qa | grep Xvfb

xorg-x11-server-Xvfb-1.19.5-5.el7.x86\_64