[jyc@hk ~]$ df -h

Filesystem Size Used Avail Use% Mounted on

/dev/mapper/centos-root 8.3G 1005M 7.3G 12% /

devtmpfs 235M 0 235M 0% /dev

tmpfs 245M 0 245M 0% /dev/shm

tmpfs 245M 29M 217M 12% /run

tmpfs 245M 0 245M 0% /sys/fs/cgroup

/dev/mapper/centos-var 2.8G 302M 2.5G 11% /var

/dev/sda1 473M 122M 352M 26% /boot

tmpfs 49M 0 49M 0% /run/user/1001

140.142.159.178:/home 11G 1.8G 8.0G 19% /mnt/home

tmpfs 49M 0 49M 0% /run/user/1003

sudo df yum install ncurses-devel zlib-devel texinfo gtk+-devel gtk2-devel qt-devel tcl-devel tk-devel kernel-headers kernel-devel

[jyc@hk ~]$ df -h

Filesystem Size Used Avail Use% Mounted on

/dev/mapper/centos-root 8.3G 1.3G 7.0G 16% /

[jyc@hk ~]$ sudo yum install epel-release

[jyc@hk ~]$ yum info R

Loaded plugins: fastestmirror

epel/x86\_64/metalink | 13 kB 00:00:00

epel | 4.3 kB 00:00:00

(1/3): epel/x86\_64/group\_gz | 170 kB 00:00:00

(2/3): epel/x86\_64/updateinfo | 749 kB 00:00:00

(3/3): epel/x86\_64/primary\_db | 4.5 MB 00:00:01

Loading mirror speeds from cached hostfile

\* base: mirror.math.princeton.edu

\* epel: mirrors.kernel.org

\* extras: mirrors.kernel.org

\* updates: repo1.dal.innoscale.net

Available Packages

Name : R

Arch : x86\_64

Version : 3.3.2

Release : 3.el7

Size : 27 k

Repo : epel/x86\_64

Summary : A language for data analysis and graphics

URL : http://www.r-project.org

License : GPLv2+

Description : This is a metapackage that provides both core R userspace and

[jyc@hk ~]$ sudo yum install R

Total download size: 288 M

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

Downloading packages:

Delta RPMs disabled because /usr/bin/applydeltarpm not installed.

warning: /var/cache/yum/x86\_64/7/epel/packages/R-3.3.2-3.el7.x86\_64.rpm: Header V3 RSA/SHA256 Signature, key ID 352c64e5: NOKEY

Public key for R-3.3.2-3.el7.x86\_64.rpm is not installed

(1/304): R-3.3.2-3.el7.x86\_64.rpm

Installed:

R.x86\_64 0:3.3.2-3.el7

Dependency Installed:

R-core.x86\_64 0:3.3.2-3.el7

R-core-devel.x86\_64 0:3.3.2-3.el7

R-devel.x86\_64 0:3.3.2-3.el7

R-java.x86\_64 0:3.3.2-3.el7

R-java-devel.x86\_64 0:3.3.2-3.el7

avahi-glib.x86\_64 0:0.6.31-17.el7

bc.x86\_64 0:1.06.95-13.el7

bzip2-devel.x86\_64 0:1.0.6-13.el7

copy-jdk-configs.noarch 0:1.2-1.el7

cpp.x86\_64 0:4.8.5-11.el7

cups.x86\_64 1:1.6.3-26.el7

cups-client.x86\_64 1:1.6.3-26.el7

cups-filesystem.noarch 1:1.6.3-26.el7

cups-filters.x86\_64 0:1.0.35-21.el7

cups-filters-libs.x86\_64 0:1.0.35-21.el7

desktop-file-utils.x86\_64 0:0.22-1.el7

dwz.x86\_64 0:0.11-3.el7

emacs-filesystem.noarch 1:24.3-19.el7\_3

gcc.x86\_64 0:4.8.5-11.el7

gcc-c++.x86\_64 0:4.8.5-11.el7

gcc-gfortran.x86\_64 0:4.8.5-11.el7

ghostscript.x86\_64 0:9.07-20.el7\_3.3

ghostscript-cups.x86\_64 0:9.07-20.el7\_3.3

ghostscript-fonts.noarch 0:5.50-32.el7

giflib.x86\_64 0:4.1.6-9.el7

glibc-devel.x86\_64 0:2.17-157.el7\_3.1

glibc-headers.x86\_64 0:2.17-157.el7\_3.1

java-1.8.0-openjdk.x86\_64 1:1.8.0.121-0.b13.el7\_3

java-1.8.0-openjdk-devel.x86\_64 1:1.8.0.121-0.b13.el7\_3

java-1.8.0-openjdk-headless.x86\_64 1:1.8.0.121-0.b13.el7\_3

javapackages-tools.noarch 0:3.4.1-11.el7

libRmath.x86\_64 0:3.3.2-3.el7

libRmath-devel.x86\_64 0:3.3.2-3.el7

libXaw.x86\_64 0:1.0.12-5.el7

libXfont.x86\_64 0:1.5.1-2.el7

libXmu.x86\_64 0:1.1.2-2.el7

libXpm.x86\_64 0:3.5.11-3.el7

liberation-fonts-common.noarch 1:1.07.2-15.el7

liberation-mono-fonts.noarch 1:1.07.2-15.el7

libfontenc.x86\_64 0:1.1.2-3.el7

libgfortran.x86\_64 0:4.8.5-11.el7

libmpc.x86\_64 0:1.0.1-3.el7

libquadmath.x86\_64 0:4.8.5-11.el7

libquadmath-devel.x86\_64 0:4.8.5-11.el7

libstdc++-devel.x86\_64 0:4.8.5-11.el7

libxslt.x86\_64 0:1.1.28-5.el7

lksctp-tools.x86\_64 0:1.0.17-2.el7

mpfr.x86\_64 0:3.1.1-4.el7

openblas-Rblas.x86\_64 0:0.2.19-4.el7

openjpeg-libs.x86\_64 0:1.5.1-10.el7

pcre-devel.x86\_64 0:8.32-15.el7\_2.1

perl-srpm-macros.noarch 0:1-8.el7

poppler.x86\_64 0:0.26.5-16.el7

poppler-data.noarch 0:0.4.6-3.el7

poppler-utils.x86\_64 0:0.26.5-16.el7

python-javapackages.noarch 0:3.4.1-11.el7

python-lxml.x86\_64 0:3.2.1-4.el7

qpdf-libs.x86\_64 0:5.0.1-3.el7

redhat-rpm-config.noarch 0:9.1.0-72.el7.centos

texinfo-tex.x86\_64 0:5.1-4.el7

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unzip.x86\_64 0:6.0-16.el7

urw-fonts.noarch 0:2.4-16.el7

xdg-utils.noarch 0:1.1.0-0.17.20120809git.el7

xorg-x11-font-utils.x86\_64 1:7.5-20.el7

xorg-x11-fonts-Type1.noarch 0:7.5-9.el7

xz-devel.x86\_64 0:5.2.2-1.el7

zip.x86\_64 0:3.0-11.el7

zziplib.x86\_64 0:0.13.62-5.el7

Dependency Updated:

avahi-autoipd.x86\_64 0:0.6.31-17.el7 avahi-libs.x86\_64 0:0.6.31-17.el7

chkconfig.x86\_64 0:1.7.2-1.el7 glibc.x86\_64 0:2.17-157.el7\_3.1

glibc-common.x86\_64 0:2.17-157.el7\_3.1 libgcc.x86\_64 0:4.8.5-11.el7

libgomp.x86\_64 0:4.8.5-11.el7 libstdc++.x86\_64 0:4.8.5-11.el7

nspr.x86\_64 0:4.11.0-1.el7\_2 nss.x86\_64 0:3.21.3-2.el7\_3

nss-softokn.x86\_64 0:3.16.2.3-14.4.el7 nss-softokn-freebl.x86\_64 0:3.16.2.3-14.4.el7

nss-sysinit.x86\_64 0:3.21.3-2.el7\_3 nss-tools.x86\_64 0:3.21.3-2.el7\_3

nss-util.x86\_64 0:3.21.3-1.1.el7\_3 pcre.x86\_64 0:8.32-15.el7\_2.1

xz.x86\_64 0:5.2.2-1.el7 xz-libs.x86\_64 0:5.2.2-1.el7

.x86\_64 0:3.16.2.3-14.4.el7 nss-softokn-freebl.x86\_64 0:3.16.2.3-14.4.el7

nss-sysinit.x86\_64 0:3.21.3-2.el7\_3 nss-tools.x86\_64 0:3.21.3-2.el7\_3

nss-util.x86\_64 0:3.21.3-1.1.el7\_3 pcre.x86\_64 0:8.32-15.el7\_2.1

xz.x86\_64 0:5.2.2-1.el7 xz-libs.x86\_64 0:5.2.2-1.el7

[jyc@hk ~]$ df -h

Filesystem Size Used Avail Use% Mounted on

/dev/mapper/centos-root 8.3G 2.1G 6.2G 25% /

devtmpfs 235M 0 235M 0% /dev

tmpfs 245M 0 245M 0% /dev/shm

tmpfs 245M 29M 217M 12% /run

tmpfs 245M 0 245M 0% /sys/fs/cgroup

/dev/mapper/centos-var 2.8G 428M 2.4G 15% /var

/dev/sda1 473M 122M 352M 26% /boot

tmpfs 49M 0 49M 0% /run/user/1001

140.142.159.178:/home 11G 2.6G 7.2G 26% /mnt/home

tmpfs 49M 0 49M 0% /run/user/1003

[jyc@hk ~]$ sudo yum install wget

[jyc@hk ~]$ df -h

Filesystem Size Used Avail Use% Mounted on

/dev/mapper/centos-root 8.3G 2.1G 6.2G 25% /

49M 0 49M 0% /run/user/1003

[jyc@q2-dev01 bin]$ ls -l /usr/bin/R\*

-rwxr-xr-x. 1 root root 8712 Oct 4 02:14 R

-rwxr-xr-x. 1 root root 11376 Dec 15 07:00 Rscript

[jyc@q2-dev01 bin]$ file /usr/bin/R

/usr/bin/R: POSIX shell script, ASCII text executable

[jyc@q2-dev01 bin]$ file /usr/bin/Rscript

/usr/bin/Rscript: ELF 64-bit LSB executable, x86-64, version 1 (SYSV), dynamically linked (uses shared libs), for GNU/Linux 2.6.32, BuildID[sha1]=68406f775cb1ad0ec6a3e89a4c461f698a1b33e9, stripped

[jyc@q2-dev01 bin]$ cat /usr/bin/R 🡨 see C:\\_UWclass\Unix\unix105\R\usr.bin.R

Install R Studio

sudo wget <https://download2.rstudio.org/rstudio-server-rhel-1.0.44-x86_64.rpm> --no-check-certificate

[jyc@hk ~]$ sudo wget https://download2.rstudio.org/rstudio-server-rhel-1.0.44-x86\_64.rpm --no-check-certificate

[jyc@hk ~]$ sudo yum install rstudio-server-rhel-1.0.44-x86\_64.rpm

[jyc@hk ~]$ df -h

Filesystem Size Used Avail Use% Mounted on

/dev/mapper/centos-root 8.3G 2.4G 5.9G 30% /

devtmpfs 235M 0 235M 0% /dev

tmpfs 245M 0 245M 0% /dev/shm

tmpfs 245M 29M 217M 12% /run

tmpfs 245M 0 245M 0% /sys/fs/cgroup

/dev/mapper/centos-var 2.8G 429M 2.4G 16% /var

/dev/sda1 473M 122M 352M 26% /boot

tmpfs 49M 0 49M 0% /run/user/1001

140.142.159.178:/home 11G 2.6G 7.2G 26% /mnt/home

Start R Studio

[jyc@hk ~]$ sudo systemctl status rstudio-server.service

● rstudio-server.service - RStudio Server

Loaded: loaded (/etc/systemd/system/rstudio-server.service; enabled; vendor preset: disabled)

Active: active (running) since Sat 2017-03-04 15:26:25 PST; 30min ago

Process: 21274 ExecStart=/usr/lib/rstudio-server/bin/rserver (code=exited, status=0/SUCCESS)

Main PID: 21275 (rserver)

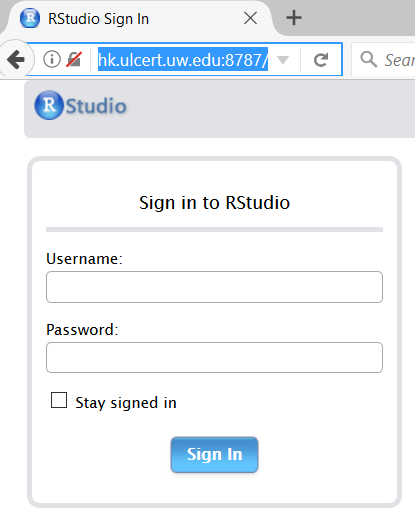
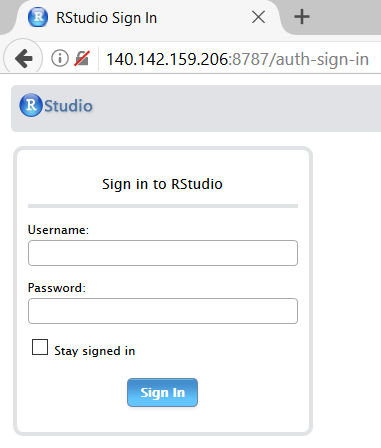
CGroup: /system.slice/rstudio-server.service

└─21275 /usr/lib/rstudio-server/bin/rserver

Mar 04 15:26:24 hk.ulcert.uw.edu systemd[1]: Starting RStudio Server...

Mar 04 15:26:25 hk.ulcert.uw.edu systemd[1]: Started RStudio Server.

sudo firewall-cmd --permanent --add-port=8787/tcp

Dev box q2

[jyc@q2-dev01 ~]$ sudo wget https://download2.rstudio.org/rstudio-server-rhel-1.0.44-x86\_64.rpm

--2017-03-04 03:55:07-- https://download2.rstudio.org/rstudio-server-rhel-1.0.44-x86\_64.rpm

Resolving download2.rstudio.org (download2.rstudio.org)... 52.84.24.110, 52.84.24.212, 52.84.2

Connecting to download2.rstudio.org (download2.rstudio.org)|52.84.24.110|:443... connected.

WARNING: cannot verify download2.rstudio.org's certificate, issued by ‘/C=US/O=Amazon/OU=Serve

Unable to locally verify the issuer's authority.

HTTP request sent, awaiting response... 200 OK

Length: 41364624 (39M) [application/x-redhat-package-manager]

Saving to: ‘rstudio-server-rhel-1.0.44-x86\_64.rpm’

36% [============================> 100%[============================>] 41,364,624 1015KB/s in 44s

2017-03-04 03:55:52 (923 KB/s) - ‘rstudio-server-rhel-1.0.44-x86\_64.rpm’ saved [41364624/41364624]

[jyc@q2-dev01 ~]$ sudo yum install --nogpgcheck rstudio-server-rhel-1.0.44-x86\_64.rpm

Installed:

rstudio-server.x86\_64 0:1.0.44-1

Dependency Installed:

psmisc.x86\_64 0:22.20-11.el7

[jyc@q2-dev01 ~]$ df -h

Filesystem Size Used Avail Use% Mounted on

/dev/mapper/cl-root 8.3G 2.7G 5.7G 32% /

[jyc@q2-dev01 ~]$ sudo systemctl status rstudio-server.service

● rstudio-server.service - RStudio Server

Loaded: loaded (/etc/systemd/system/rstudio-server.service; enabled; vendor preset: disabled)

Active: active (running) since Sat 2017-03-04 04:00:35 PST; 3min 9s ago

Process: 38500 ExecStart=/usr/lib/rstudio-server/bin/rserver (code=exited, status=0/SUCCESS)

Main PID: 38501 (rserver)

CGroup: /system.slice/rstudio-server.service

└─38501 /usr/lib/rstudio-server/bin/rserver

Mar 04 04:00:35 q2-dev01.jyc.localhost systemd[1]: Starting RStudio Server...

Mar 04 04:00:35 q2-dev01.jyc.localhost systemd[1]: Started RStudio Server.

[jyc@q2-dev01 ~]$

sudo iptables -I INPUT -p tcp --dport 8787 -j ACCEPT

[jyc@q2-dev01 ~]$ sudo iptables -I INPUT -p tcp --dport 8787 -j ACCEPT

[jyc@q2-dev01 ~]$ sudo iptables -L -n |grep 8787

ACCEPT tcp -- 0.0.0.0/0 0.0.0.0/0 tcp dpt:8787

ACCEPT tcp -- 0.0.0.0/0 0.0.0.0/0 tcp dpt:8787

ACCEPT tcp -- 0.0.0.0/0 0.0.0.0/0 tcp dpt:8787

ACCEPT tcp -- 0.0.0.0/0 0.0.0.0/0 tcp dpt:8787

sudo iptables -D INPUT -p tcp --dport 8787 -j ACCEPT

