Installing Data Center Console on Linux

Unlike CDP Server products that are installed in one step, Data Center Console (DCC) requires some configuration prior to installation as well as some additional manual steps after the initial install of the software package.

See previous step in: Prerequisites for Installing Data Center Console.

Follow the below instructions to install and configure Data Center Console on Linux.

Installing Data Center Console on Linux | Installing MySQL Java Connector | Configuring Database Properties | Starting the Data Center Console | Accessing Data Center Console for the First Time

Installing Data Center Console on Linux

There are two ways of installing Data Center Console on Linux - automatic from repository and manual. Before installing Data Center Console, make sure your machine matches the following recommended system requirements:

- Operating System: 64-bit only, Linux 2.6
- Physical Memory: 4 GB
- Free Disk Space: Not less than 10 GB

> **Notice**
> You should install Data Center Console on an independent host that does not have a CDP Server installed.

Automaitc installation on CentOS

1. Open the new file `/etc/yum.repos.d/r1soft.repo` in your favorite Linux text editor: `vim`, `emacs`, `pico`, or `mcedit`.

```
vim /etc/yum.repos.d/r1soft.repo
```

2. Insert the following text into the file:

```
[r1soft]
name=R1Soft Repository Server
baseurl=http://repo.r1soft.com/yum/stable/$basearch/
```

```
enabled=1
gpgcheck=0
```

> **Tip**
> If you do not know how to work with text editors in a Linux SSH session, run the following command:
> `cat > /etc/yum.repos.d/r1soft.repo`
> Paste the string from the clipboard and press Ctrl-D.

As a result, the content of the file `/etc/yum.repos.d/r1soft.repo` will look like the following:

```
[r1soft]
name=R1Soft Repository Server
baseurl=http://repo.r1soft.com/yum/stable/$basearch/
enabled=1
gpgcheck=0
```

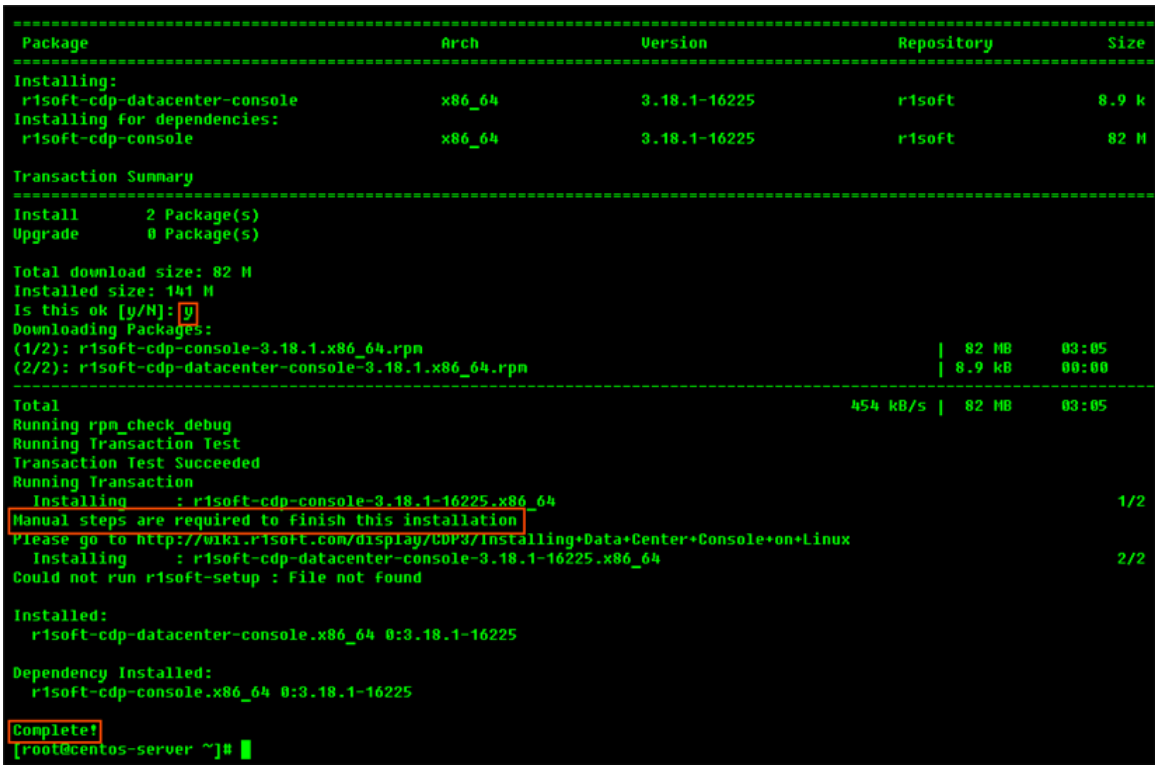
3. Save the file and exit.

4. Execute the following command to install Data Center Console.

```
yum install r1soft-cdp-datacenter-console
```

```
[root@centos-server ~]# yum install r1soft-cdp-datacenter-console
Loaded plugins: fastestmirror
Loading mirror speeds from cached hostfile
 * base: ftp.cvut.cz
 * extras: ftp.tlk-l.net
 * updates: ftp.cvut.cz
r1soft                                                                    |  951 B     00:00
r1soft/primary                                                            |  18 kB     00:00
r1soft                                                                                  11/11
Setting up Install Process
Resolving Dependencies
--> Running transaction check
---> Package r1soft-cdp-datacenter-console.x86_64 0:3.18.1-16225 set to be updated
--> Processing Dependency: r1soft-cdp-console >= 3.18.1 for package: r1soft-cdp-datacenter-console-3.18.1-16225.x86_64
--> Running transaction check
---> Package r1soft-cdp-console.x86_64 0:3.18.1-16225 set to be updated
--> Finished Dependency Resolution

Dependencies Resolved

================================================================================================================
 Package                                    Arch                 Version                   Repository            Size
================================================================================================================
Installing:
 r1soft-cdp-datacenter-console              x86_64               3.18.1-16225              r1soft               8.9 k
Installing for dependencies:
 r1soft-cdp-console                         x86_64               3.18.1-16225              r1soft                82 M

Transaction Summary
================================================================================================================
Install       2 Package(s)
Upgrade       0 Package(s)

Total download size: 82 M
Installed size: 141 M
Is this ok [y/N]:
```

Type "Y" to confirm the download.



Automaitc installation on Debian or Ubuntu

1. Configure APT repository, then download and install the R1Soft apt gpg key by executing the following commands:

```
echo deb http://repo.r1soft.com/apt stable main >> /etc/apt/sources.list
wget http://repo.r1soft.com/r1soft.asc
apt-key add r1soft.asc
```

2. Download repository metadata into the local cache for faster search by executing the command

```
apt-get update
```

3. Install Data Center Console by executing the following command:

```
apt-get install r1soft-cdp-datacenter-console
```

```
root@debian-server:~# apt-get install r1soft-cdp-datacenter-console
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following extra packages will be installed:
  r1soft-cdp-console
The following NEW packages will be installed:
  r1soft-cdp-console r1soft-cdp-datacenter-console
0 upgraded, 2 newly installed, 0 to remove and 51 not upgraded.
Need to get 86.3 MB of archives.
After this operation, 0 B of additional disk space will be used.
Do you want to continue [Y/n]?
Get:1 http://repo.r1soft.com/apt/ stable/main r1soft-cdp-console amd64 3.18.1 [86.3 MB]
Get:2 http://repo.r1soft.com/apt/ stable/main r1soft-cdp-datacenter-console amd64 3.18.1 [14.6 kB]
Fetched 86.3 MB in 3min 13s (447 kB/s)
Selecting previously deselected package r1soft-cdp-console.
(Reading database ... 25447 files and directories currently installed.)
Unpacking r1soft-cdp-console (from .../r1soft-cdp-console_3.18.1_amd64.deb) ...
Selecting previously deselected package r1soft-cdp-datacenter-console.
Unpacking r1soft-cdp-datacenter-console (from .../r1soft-cdp-datacenter-console_3.18.1_amd64.deb) ...
Setting up r1soft-cdp-console (3.18.1) ...
Manual steps are required to finish this installation
Please go to http://wiki.r1soft.com/display/CDP3/Installing+Data+Center+Console+on+Linux
Setting up r1soft-cdp-datacenter-console (3.18.1) ...
```

Manual installation on CentOS

1. Extract the downloaded archive with the following command:

```
unzip R1Soft-DataCenter-Console.zip
```

```
[root@centos-server ~]# unzip R1Soft-DataCenter-Console.zip
Archive:  R1Soft-DataCenter-Console.zip
   creating: deb-linux64/
  inflating: deb-linux64/r1soft-cdp-datacenter-console-amd64-3.18.1.deb
  inflating: deb-linux64/r1soft-cdp-console-amd64-3.18.1.deb
   creating: rpm-linux64/
  inflating: rpm-linux64/r1soft-cdp-console-3.18.1.x86_64.rpm
  inflating: rpm-linux64/r1soft-cdp-datacenter-console-3.18.1.x86_64.rpm
   creating: win64/
  inflating: win64/R1Soft-CDP-DataCenter-Console-win64-3.18.1.exe
```

2. The archive you have extracted contains two folders: one with `.deb` packages (in our case, "deb-linux64") and one with RPM packages ("rpm-linux64"). On CentOS, you need to change working directory to the one containing RPM packages:

```
cd rpm-linux64
```

After changing the working directory, install Data Center Console by executing the command

```
rpm -i *.rpm
```

```
[root@centos-server rpm-linux64]# rpm -i *.rpm
Manual steps are required to finish this installation
Please go to http://wiki.r1soft.com/display/CDP3/Installing+Data+Center+Console+on+Linux
```

Manual installation on Debian or Ubuntu

1. Extract the downloaded archive with the following command:

```
unzip R1Soft-DataCenter-Console.zip
```

2. The archive you have extracted contains two folders: one with `.deb` packages (in our case, "deb-linux64") and one with RPM packages ("rpm-linux64"). On Debian or Ubuntu, you need to change working directory to the one containing `.deb` packages:

```
cd deb-linux64
```

After changing the working directory, install Data Center Console by executing the command

```
dpkg -i *.deb
```

```
root@debian-server:~/deb-linux64# dpkg -i *.deb
Selecting previously deselected package r1soft-cdp-console.
(Reading database ... 25447 files and directories currently installed.)
Unpacking r1soft-cdp-console (from r1soft-cdp-console-amd64-3.18.1.deb) ...
Selecting previously deselected package r1soft-cdp-datacenter-console.
Unpacking r1soft-cdp-datacenter-console (from r1soft-cdp-datacenter-console-amd64-3.18.1.deb) ...
Setting up r1soft-cdp-console (3.18.1) ...
Manual steps are required to finish this installation
Please go to http://wiki.r1soft.com/display/CDP3/Installing+Data+Center+Console+on+Linux
Setting up r1soft-cdp-datacenter-console (3.18.1) ...
```

You will need to perform the following steps before you can launch Data Center Console.

Installing MySQL Java Connector

Next, you need to add a JBDC connector.

1. Download the MySQL Connector file using the `wget` command:

```
wget http://mysql.llarian.net/Downloads/Connector-J/mysql-connector-java-5.1.18.zip
```

```
[root@centos-server ~]# wget http://mysql.llarian.net/Downloads/Connector-J/mysql-connector-java-5.1.18.zip
--2012-02-10 07:03:21--  http://mysql.llarian.net/Downloads/Connector-J/mysql-connector-java-5.1.18.zip
Resolving mysql.llarian.net... 209.221.142.116, 2001:5d8:11::14
Connecting to mysql.llarian.net|209.221.142.116|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 4066649 (3.9M) [application/zip]
Saving to: `mysql-connector-java-5.1.18.zip'

100%[======================================================================>] 4,066,649    466K/s   in 9.6s

2012-02-10 07:03:32 (415 KB/s) - `mysql-connector-java-5.1.18.zip' saved [4066649/4066649]

[root@centos-server ~]#
```

> **Notice**
> At the time of writing this document 5.1.18 the latest version of MySQL Java Connector. When you will install Data Center Console, newer version may become available. Using the latest version is recommended.

2. Unpack the downloaded archive:

```
unzip mysql-connector-java-5.1.18.zip
```

```
[root@centos-server ~]# unzip mysql-connector-java-5.1.18.zip
Archive:  mysql-connector-java-5.1.18.zip
   creating: mysql-connector-java-5.1.18/
   creating: mysql-connector-java-5.1.18/docs/
   creating: mysql-connector-java-5.1.18/src/
   creating: mysql-connector-java-5.1.18/src/com/
   creating: mysql-connector-java-5.1.18/src/com/mysql/
   creating: mysql-connector-java-5.1.18/src/com/mysql/jdbc/
   creating: mysql-connector-java-5.1.18/src/com/mysql/jdbc/configs/
   creating: mysql-connector-java-5.1.18/src/com/mysql/jdbc/exceptions/
   creating: mysql-connector-java-5.1.18/src/com/mysql/jdbc/exceptions/jdbc4/
   creating: mysql-connector-java-5.1.18/src/com/mysql/jdbc/integration/
   creating: mysql-connector-java-5.1.18/src/com/mysql/jdbc/integration/c3p0/
   creating: mysql-connector-java-5.1.18/src/com/mysql/jdbc/integration/jboss/
   creating: mysql-connector-java-5.1.18/src/com/mysql/jdbc/interceptors/
   creating: mysql-connector-java-5.1.18/src/com/mysql/jdbc/jdbc2/
   creating: mysql-connector-java-5.1.18/src/com/mysql/jdbc/jdbc2/optional/
   creating: mysql-connector-java-5.1.18/src/com/mysql/jdbc/jmx/
   creating: mysql-connector-java-5.1.18/src/com/mysql/jdbc/log/
   creating: mysql-connector-java-5.1.18/src/com/mysql/jdbc/profiler/
   creating: mysql-connector-java-5.1.18/src/com/mysql/jdbc/trace/
   creating: mysql-connector-java-5.1.18/src/com/mysql/jdbc/util/
   creating: mysql-connector-java-5.1.18/src/com/mysql/jdbc/webapp/
   creating: mysql-connector-java-5.1.18/src/doc/
   creating: mysql-connector-java-5.1.18/src/doc/sources/
   creating: mysql-connector-java-5.1.18/src/lib/
   creating: mysql-connector-java-5.1.18/src/org/
   creating: mysql-connector-java-5.1.18/src/org/gjt/
   creating: mysql-connector-java-5.1.18/src/org/gjt/mm/
   creating: mysql-connector-java-5.1.18/src/org/gjt/mm/mysql/
```

3. Copy the `jar` file to the configuration folder:

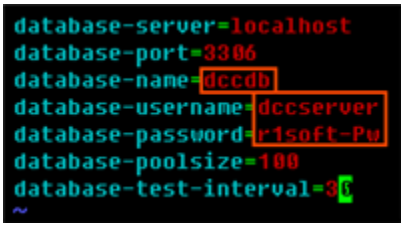
```
cp mysql-connector-java-5.1.18-bin.jar /usr/sbin/r1soft-datacenter-console/conf/database-drivers
```

Configuring Database Properties

1. Open the `/usr/sbin/r1soft-datacenter-console/conf/server.properties` file in your favorite Linux text editor: `vim`, `emacs`, `pico`, or `mcedit`.

```
vim /usr/sbin/r1soft-datacenter-console/conf/server.properties
```

2. Replace the database name, <username>, and <password> fields with the relevant values for your system.



3. Save the file and exit.

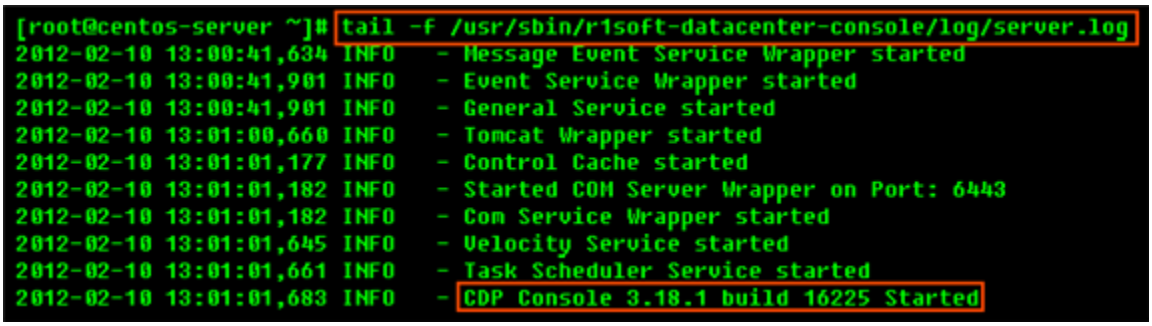
Starting the Data Center Console

1. Run the following command to start Data Center Console:

```
/etc/init.d/cdp-console start
```

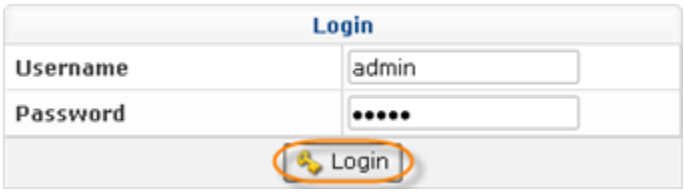
2. Check the log file to verify that Data Center Console has started successfully:

```
tail -f /usr/sbin/r1soft-datacenter-console/log/server.log
```



Accessing Data Center Console for the First Time

1. Open a Web browser and enter the following URL:

```
http://localhost:8080
```

2. In the login form, enter the default username ("admin") and password ("admin"), and then click "Login."