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.

Automatic 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, presto
Loading mirror speeds from cached hostfile
 * base: centos.bio.lmu.de
 * extras: centos.bio.lmu.de
 * updates: centos-mirror.rbc.ru
Setting up Install Process
Resolving Dependencies
--> Running transaction check
---> Package r1soft-cdp-datacenter-console.x86_64 0:4.2.0-17723 will be installe
d
--> Processing Dependency: r1soft-cdp-console >= 4.2.0 for package: r1soft-cdp-d
atacenter-console-4.2.0-17723.x86_64
--> Running transaction check
---> Package r1soft-cdp-console.x86_64 0:4.2.0-17723 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

================================================================================
 Package                        Arch       Version          Repository  Size
================================================================================
Installing:
 r1soft-cdp-datacenter-console  x86_64     4.2.0-17723      r1soft     8.8 k
Installing for dependencies:
 r1soft-cdp-console             x86_64     4.2.0-17723      r1soft      87 M

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

Total download size: 87 M
Installed size: 147 M
Is this ok [y/N]:
```

Type "Y" to confirm the download.

```
Is this ok [y/N]: y
Downloading Packages:
Setting up and reading Presto delta metadata
Processing delta metadata
Package(s) data still to download: 87 M
(1/2): r1soft-cdp-console-4.2.0.x86_64.rpm               |  87 MB     07:46
(2/2): r1soft-cdp-datacenter-console-4.2.0.x86_64.rpm    | 8.8 kB     00:00
--------------------------------------------------------------------------------
Total                                        192 kB/s |  87 MB     07:47
Running rpm_check_debug
Running Transaction Test
Transaction Test Succeeded
Running Transaction
  Installing : r1soft-cdp-console-4.2.0-17723.x86_64                       1/2
Manual steps are required to finish this installation
Please go to http://wiki.r1soft.com/display/CDP3/Installing+Data+Center+Console+
on+Linux
  Installing : r1soft-cdp-datacenter-console-4.2.0-17723.x86_64            2/2
Warning: Recommended memory for installation is 2048MB
  Verifying  : r1soft-cdp-console-4.2.0-17723.x86_64                       1/2
  Verifying  : r1soft-cdp-datacenter-console-4.2.0-17723.x86_64            2/2

Installed:
  r1soft-cdp-datacenter-console.x86_64 0:4.2.0-17723

Dependency Installed:
  r1soft-cdp-console.x86_64 0:4.2.0-17723

Complete!
```

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:

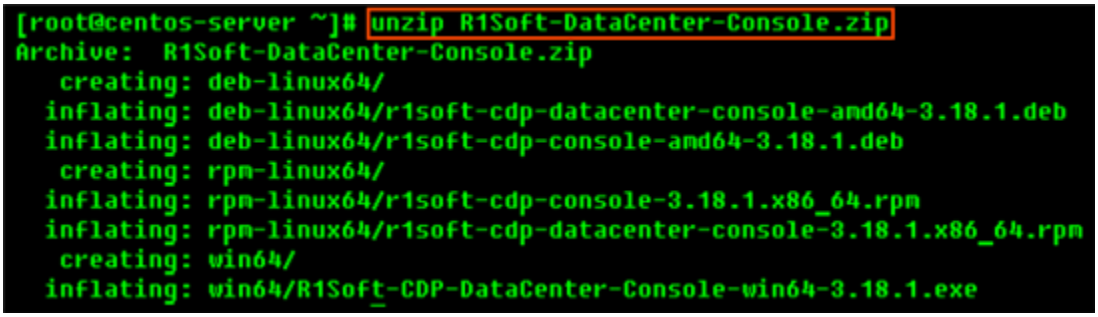
```
apt-get install r1soft-cdp-datacenter-console
```

```
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 0 not upgraded.
Need to get 91.6 MB of archives.
After this operation, 0 B of additional disk space will be used.
Do you want to continue [Y/n]? y
Get:1 http://repo.r1soft.com/apt/ stable/main r1soft-cdp-console amd64 4.2.0 [91
.6 MB]
Get:2 http://repo.r1soft.com/apt/ stable/main r1soft-cdp-datacenter-console amd6
4 4.2.0 [15.3 kB]
Fetched 91.6 MB in 13min 54s (110 kB/s)
Selecting previously deselected package r1soft-cdp-console.
(Reading database ... 34744 files and directories currently installed.)
Unpacking r1soft-cdp-console (from .../r1soft-cdp-console_4.2.0_amd64.deb) ...
Selecting previously deselected package r1soft-cdp-datacenter-console.
Unpacking r1soft-cdp-datacenter-console (from .../r1soft-cdp-datacenter-console_
4.2.0_amd64.deb) ...
Warning: Recommended memory for installation is 2048MB
Setting up r1soft-cdp-console (4.2.0) ...
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 (4.2.0) ...
```

Manual installation on CentOS

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 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
```



Manual installation on Debian or Ubuntu

1. Extract the downloaded archive with the following command:

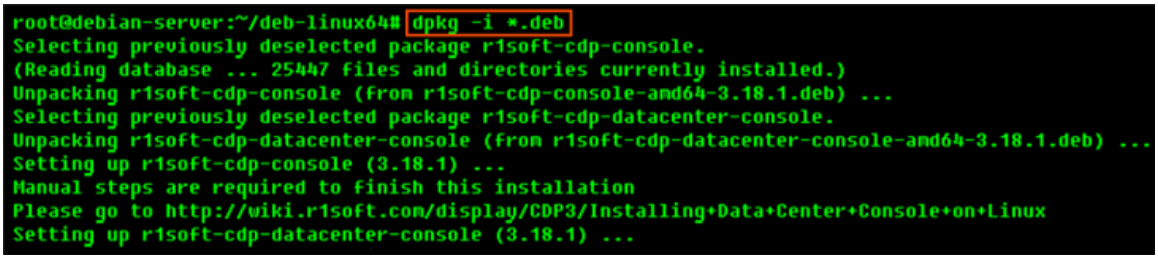
```
unzip R1Soft-DataCenter-Console.zip
```

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
```



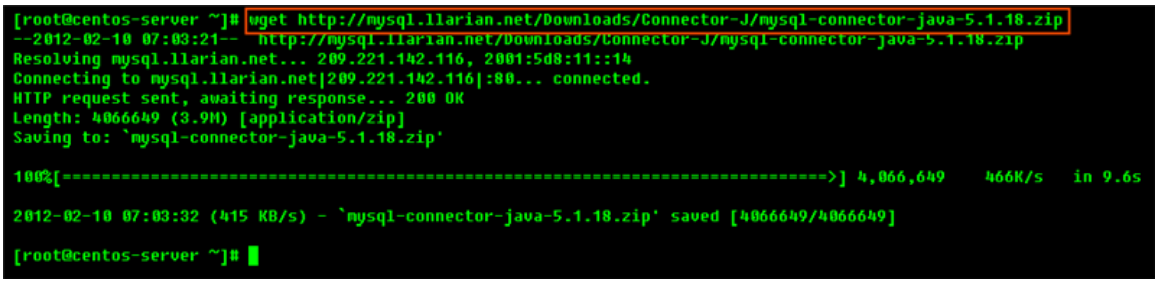
You will need to perform the following steps before you can launch Data Center Console.

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
```



> **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.

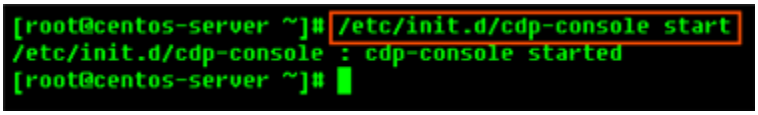
```
database-server=localhost
database-port=3306
database-name=dccdb
database-username=dccserver
database-password=r1soft-Pw
database-poolsize=100
database-test-interval=3
~
```

3. Save the file and exit.

Starting the Data Center Console

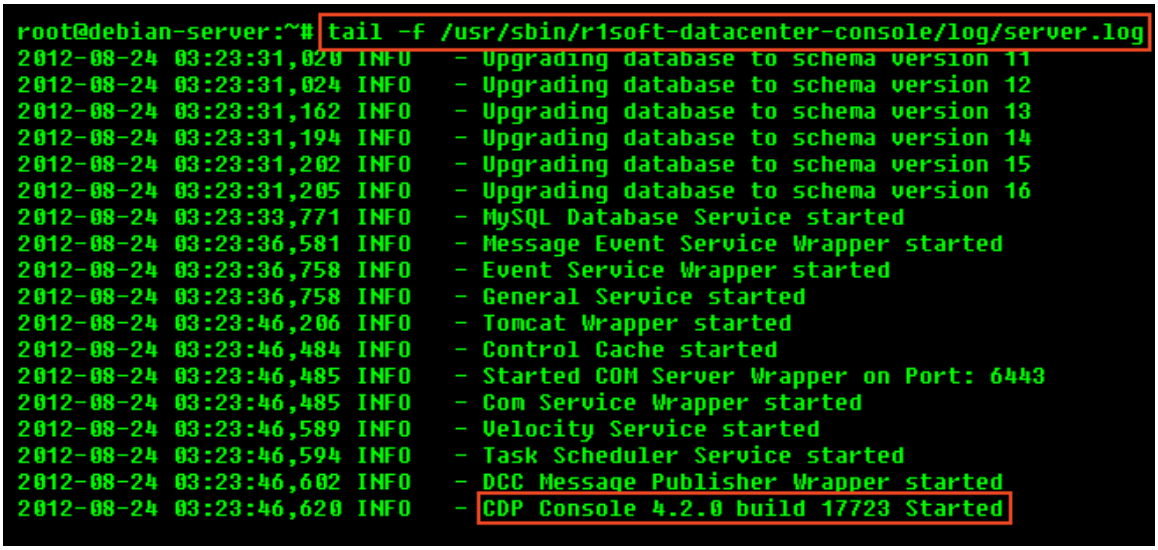
1. Run the following command to start Data Center Console:

```
/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."


Login
Username
admin
Password
Login