

# 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.

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[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](#)

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## 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
Loading mirror speeds from cached hostfile
 * base: ftp.cvut.cz
 * extras: ftp.tlkl1.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.

```

=====
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]: y
Downloading Packages:
(1/2): r1soft-cdp-console-3.18.1.x86_64.rpm           | 82 MB   03:05
(2/2): r1soft-cdp-datacenter-console-3.18.1.x86_64.rpm | 8.9 kB  00:00
-----
Total                                               454 kB/s | 82 MB   03:05
Running rpm_check_debug
Running Transaction Test
Transaction Test Succeeded
Running Transaction
  Installing      : r1soft-cdp-console-3.18.1-16225.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-3.18.1-16225.x86_64 2/2
Could not run r1soft-setup : File not found

Installed:
r1soft-cdp-datacenter-console.x86_64 0:3.18.1-16225

Dependency Installed:
r1soft-cdp-console.x86_64 0:3.18.1-16225

Complete!
[root@centos-server ~]#

```

Automatic 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:

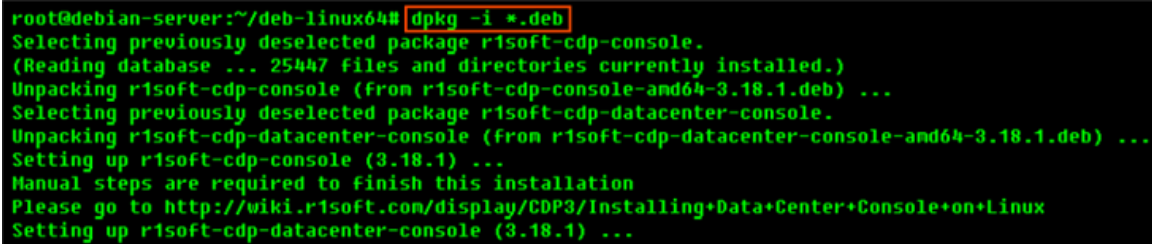
```
unzip R1Soft-DataCenter-Console.zip
```

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.

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### Installing MySQL Java Connector

Next, you need to add a JDBC 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.11r1an.net/Downloads/Connector-J/mysql-connector-java-5.1.18.zip
--2012-02-10 07:03:21-- http://mysql.11r1an.net/Downloads/Connector-J/mysql-connector-java-5.1.18.zip
Resolving mysql.11r1an.net... 209.221.142.116, 2001:5d8:11::14
Connecting to mysql.11r1an.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/mn/
  creating:  mysql-connector-java-5.1.18/src/org/gjt/mn/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-Pu
database-poolsize=100
database-test-interval=30
```

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
```

```
[root@centos-server ~]# /etc/init.d/cdp-console start
/etc/init.d/cdp-console : cdp-console started
[root@centos-server ~]# █
```

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

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

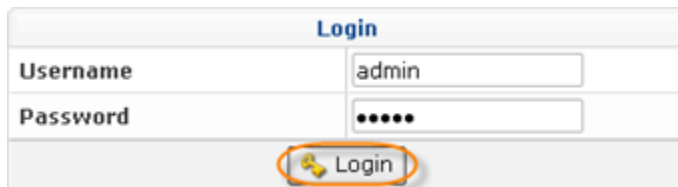
```
[root@centos-server ~]# tail -f /usr/sbin/r1soft-datacenter-console/log/server.log
2012-02-10 13:00:41,634 INFO - Message Event Service Wrapper started
2012-02-10 13:00:41,901 INFO - Event Service Wrapper started
2012-02-10 13:00:41,901 INFO - General Service started
2012-02-10 13:01:00,660 INFO - Tomcat Wrapper started
2012-02-10 13:01:01,177 INFO - Control Cache started
2012-02-10 13:01:01,182 INFO - Started COM Server Wrapper on Port: 6443
2012-02-10 13:01:01,182 INFO - Com Service Wrapper started
2012-02-10 13:01:01,645 INFO - Velocity Service started
2012-02-10 13:01:01,661 INFO - Task Scheduler Service started
2012-02-10 13:01:01,683 INFO - CDP Console 3.18.1 build 16225 Started
```

## 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	<input type="text" value="admin"/>
Password	<input type="password" value="*****"/>
<input type="button" value="Login"/>	