

# ESET Tech Center

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## Manually upgrade ESET Security Management Center for Linux to the latest version (7.x)

Anish | ESET Nederland - 2018-09-12 - Comments (0) - ESET Security Management Center

### Solution

 **Windows users:** [Upgrade ESET Remote Administrator 6.3 and later to ESMC.](#)

**ESMC Virtual Appliance:** [Upgrade your existing ESMC VA to the latest version or migrate.](#)

[I. Manual upgrade for Linux ESET Security Management Center Server using MySQL \(applies to ESMC Server Appliance\)](#)

[II. Upgrade ESET Management Agent](#)

[III. Upgrade ERA Proxy \(applies to Linux and ERA virtual appliance\)](#)

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### There are easier ways to upgrade ESMC

#### 1. **Component upgrade** task

ESMC Server (currently unavailable), ESET Management Agent, ESMC Web Console and ESMC MDC can also be upgraded using an upgrade task. Check [online help](#) for more information.

#### 1. **Pull database from older ESMC VA**

If you have been using ESMC Virtual Appliance (for example VMWare or Virtual Box) you can perform [database pull](#) and then [upgrade agents via upgrade task](#).

### **I. Manual upgrade for Linux ESET Security Management Center Server using MySQL (applies to ESMC Server Appliance)**

1. [Download the ESMC component installers](#) including:
  - ESET Security Management Center Server (Server)
  - ESET Management Agent (Agent)
  - Rogue Detection Sensor (RDSensor)
  - Web Console (era.war)
  - Other installers as needed

2. Stop the **Apache Tomcat** service. For example:

```
service tomcat7 stop (CentOS)
```

3. Back up the following folder and all of its contents:

```
/var/lib/tomcat7/webapps/era
```

4. Make a copy of the following configuration file:

```
/var/lib/tomcat7/webapps/era/WEB-INF/classes/sk/eset/era/g2webconsole/server/modules/config/EraWebServerConfig.properties
```

5. Delete the existing **Web Console** folder and all of its contents:

```
/var/lib/tomcat7/webapps/era
```

6. Delete the existing **era.war** file if it is on the system.

7. Unzip the new **era.war** file (that was downloaded in step 1) to the following folder:

```
/var/lib/tomcat7/webapps/era/
```

Examples (use yum or apt-get to install "unzip" if command is not available):

```
mkdir /var/lib/tomcat7/webapps/era/  
unzip era.war -d /var/lib/tomcat7/webapps/era/  
(jar xvf era.war)
```

8. Move the **EraWebServerConfig.properties** configuration file that you copied in step 4 to the following directory:

```
/var/lib/tomcat7/webapps/era/WEB-INF/classes/sk/eset/era/g2webconsole/server/modules/config/EraWebServerConfig.properties
```

9. Run the ESMC Server installer:

```
sudo ./server-linux-x86_64.sh --skip-license
```

The `--skip-license` parameter skips the display of the ESET End-user license agreement (EULA). If you wish to view the EULA before agreeing to it, do not use this parameter when installing ESMC Server.

### **For ESMC Server Appliance**

The DB root password is identical to the ESMC password in ESMC Web Console.

If you receive an error related to insufficient rights when upgrading, see the log:

`/var/log/eset/RemoteAdministrator/EraServerInstaller.log`

and complete the following steps:

- Temporarily add the SUPER right for "era" user
- Locate the actual user name and server connection in:  
`/etc/opt/eset/RemoteAdministrator/Server/StartupConfiguration.ini`

Use the following scripts (substitute the actual user name for "era"):

- For a database server on localhost, use  
`mysql -u root -p`  
and type:  
`grant SUPER on *.* to era@'localhost';`
- For a database server running on another machine, use  
`mysql -u root -p --host=<db-hostname>`  
and type:  
`grant SUPER on *.* to 'era'@'%';`

Complete the upgrade and make sure to remove the SUPER right after the upgrade is complete:

- For a database server on localhost, use  
`mysql -u root -p`  
and type:  
`revoke SUPER on *.* from 'era'@'localhost';`
  - For a database server on another machine, use  
`mysql -u root -p --host=<db-hostname>`  
and type:  
`revoke SUPER on *.* from 'era'@'%';`
1. Start the **Apache Tomcat** service. Typically, it takes some time for the Apache to start and for the ESMC Web Console to become functional.
  2. Log into your ESMC Web Console at the following URL: **`https://<hostname>/era`**  
  
for example `https://192.168.10.12/era`

3. To upgrade RD Sensor, run the installer as follows:

```
sudo ./rdsensor-linux-x86_64.sh --skip-license
```

The `--skip-license` parameter skips the display of the ESET End-user license agreement (EULA). If you wish to view the EULA before agreeing to it, do not use this parameter when installing RD Sensor.

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## II. Upgrade ESET Management Agent

*It is recommended to use ESMC Administrator's account for the following steps.*

### Warning:

Be careful about connection compatibility:

- ERA Version 6.x Agent can connect to ESMC 7 Server.
- ESET Management Agent (version 7) cannot be connected to ESMC Server via ERA Proxy.
- ESET Management Agent (version 7) cannot connect to ERA.

If your infrastructure is using ERA Proxy, do not upgrade ERA Agents before a [proper proxy solution is set up](#).

When upgrading the Agent, you have two options:

1. Run the Agent installer from the terminal locally on each client computer.
2. Create a [Run Command Client task from the ESMC Web Console](#) (steps included below).

### **ESET Management Agent upgrade using the Run Command Client task**

1. Create new Dynamic groups which identify the operating system on the client machine—one group for 32-bit and other for 64-bit:
  1. Create a Dynamic group template for 32-bit systems with following parameters:
    - Operation "AND"
    - Add rule OS edition > OS platform = (equal) 32-bit
    - Add rule OS edition > OS type contains Linux
  2. Create a Dynamic group template for 64-bit systems with following parameters:

- Operation "AND"
    - Add rule OS edition > OS platform = (equal) 64-bit
    - Add rule OS edition > OS type contains Linux
3. Create a Dynamic group based on the 32-bit template you have just created.
  4. Create Dynamic group based on the 64-bit template you have just created.
2. Create a new Client task for 32-bit systems:
    1. In the **Basic** section, select **Run Command** from the **Task** drop down menu.
    2. In the **Targets** section, select the Dynamic group you created for 32-bit operating systems.
    3. In the **Settings** section, enter one of the following commands into the **Command line to run** field (replace *SERVER* with actual server name and *share* with share name):
 

HTTP Local Share command: `wget -q http://SERVER/share/agent-linux-i386.sh -O /tmp/agent-linux-i386.sh && chmod a+x /tmp/agent-linux-i386.sh && /tmp/agent-linux-i386.sh --skip-license &> /tmp/era-agent-upgrade.txt`

Request from online command: `wget -q https://download.eset.com/com/eset/apps/business/era/agent/latest/agent-linux-i386.sh -O /tmp/agent-linux-i386.sh && chmod a+x /tmp/agent-linux-i386.sh && /tmp/agent-linux-i386.sh --skip-license &> /tmp/era-agent-upgrade.txt`
  3. Create a new Client task for 64-bit systems:
    1. In the **Basic** section, select **Run Command** from the **Task** drop down menu.
    2. In the **Targets** section, select Dynamic group you created for 64-bit operating systems.
    3. In the **Settings** section, enter one of the following commands into the **Command line to run** field (replace *server* with your actual server name and *readonlyshare* with share name):
 

HTTP Local Share command: `wget -q http://SERVER/share/agent-linux-x86_64.sh -O /tmp/agent-`

```
linux-x86_64.sh && chmod a+x /tmp/agent-linux-x86_64.sh &&  
/tmp/agent-linux-x86_64.sh --skip-license &> /tmp/era-  
agent-upgrade.txt
```

```
Request from online command: wget -q  
https://download.eset.com/com/eset/apps/business/era/agent/  
latest/agent-linux-x86_64.sh -O /tmp/agent-linux-  
x86_64.sh && chmod a+x /tmp/agent-linux-x86_64.sh &&  
/tmp/agent-linux-x86_64.sh --skip-license &> /tmp/era-  
agent-upgrade.txt
```

4. Monitor the **Computer details** section in **Installed Applications**. It may happen that two Agents (one running the old version, the other running a more recent version) are running on a client machine at the same time. This is only temporary. You can also monitor the [Outdated applications](#) report in **Computers section** (use drill-down to show particular computers). Note that data in this report are updated once per hour.

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### **III. Upgrade ERA Proxy (for Linux and ERA virtual appliance users)**

Visit [this Online Help topic for upgrading infrastructure with ERA 6 Proxy](#).

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