Seqrite Endpoint Security
for Mac

Remote Installation Guide

www.seqrite.com

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About the Document

This guide covers all the information about how to install Seqrite Endpoint Security on the Mac client computers remotely from the administrator computer that may have either Windows or Mac operating system. The following list describes the conventions that we have followed to prepare this document.

Convention	Meaning
<Step 1> <Step 2>	The instruction mentioned in the numbered list indicates actions that you need to perform.
	This symbol indicates additional information or important information about the topic being discussed.

Contents

Installing Seqrite Mac client 5

Creating Mac client Installer 5

Installing using Apple Remote Desktop or Casper 5

Installing Mac client using Apple Remote Desktop or Casper 6

Creating Mac client package 6

Connecting remotely using Secure Shell 7

Using Terminal (for Mac or Linux OS) 7

Using PuTTY (for Windows OS) 9

Installing Seqrite Mac client

You can install Seqrite Mac client in one of the following ways:

- Installing using Apple Remote Desktop or Casper
- Connecting remotely using Secure Shell

  Using Terminal (for Mac and Linux OS)

  Using PuTTY (for Windows OS)

Creating Mac client Installer

To create Mac client installer, follow these steps:

1. On the Seqrite Endpoint Security cloud, go to **Deployment**.
2. In the Client Installer tab, click **Create Client Installer** button.

   The Create Client Installer dialog opens.
3. Enter **Package Name** and select **Group**.
4. In the **OS platform** list, select Mac.
5. Select validity period in the list box. The validity period can be of 30, 60 or 90 days.
6. Click **Create**.

The <Package Name>.TAR file is created.

The installer without antivirus setup is created and appears in the list on Deployment > Client Installer page. You can download this installer.

Note

With Standalone Installer, you can create Mac client installer with antivirus setup.

Installing using Apple Remote Desktop or Casper

Apple Remote Desktop (ARD) helps you to connect to the Mac client computers remotely in the network, send software to them, install software on them, help other end users in real time, and perform various tasks.

Prerequisites

Before you install Seqrite Mac client, ensure the following requirements.

- The administrator computer with ARD or Casper installed must have Mac OS X 10.9 or later / OS X server.
- Mac Seqrite Client installer must be created on Seqrite Endpoint Security Cloud. To know about how to create client installer, see Creating Mac client Installer.
- Administrator must have an account on the Mac client computers with admin privileges.
- Enable Remote Management on the Mac client computers.

- Your administrator computer must have Packages installed on it. Packages is a Mac OS application that helps you to create bundle for your payload and installation. To download Packages, visit http://s.sudre.free.fr/Software/Packages/about.html.

Installing Mac client using Apple Remote Desktop or Casper

This procedure helps you install Mac client on the remote Mac client computers using ARD or Casper. For more details, you may refer the documentation of the respective software applications.

Creating Mac client package

1. On the Seqrite Endpoint Security cloud, download UEMREMOTEINST.TAR from the URL,

   http://dlupdate.quickheal.com/builds/seqrite/uemcp/en/UEMREMOTEINST.tar

2. Download Mac client installer (with/without AV) from the UEM server. These builds will be in the TAR format.
3. Rename the Mac client installer as follows:

   Mac client installer (without AV) - MCCLAGNT.TAR

   Mac client installer (with AV) - MCCLAGAV.TAR
4. Extract UEMREMOTEINST.TAR.
5. Copy MCCLAGNT.TAR or MCCLAGAV.TAR to "<Download directory>/UEMREMOTEINST".
6. Open Terminal.app on the administrator Mac computer and go to the UEMREMOTEINST folder.
7. Enter the following commands

   ```
   cd ./Remote_Installation/PKG
   sudo sh ./ClientAgentInstaller/CreatePackage.sh
   ```

Administrator rights are required for executing this command.

When the package creation completes successfully, ClientAgentInstaller.pkg file is created in the ./Remote_Installation/PKG/ClientAgentInstaller/ folder.

Deploying Seqrite Mac client using Apple Remote Desktop

In addition to the Prerequisites described in the preceding section, follow this prerequisite.

Prerequisite

Before deploying Seqrite Mac client, ensure that you get Apple Remote Desktop (ARD) tool installed on your administrator computer. To download ARD, visit https://www.apple.com/in/remotedesktop/.

To deploy Seqrite Mac client using Apple Remote Desktop, follow these steps:

1. Open Apple Remote Desktop.

2. Select the Mac client computers from the list of all available computers and then click **Install** to add the package.
3. Click the plus (+) sign to locate and add ClientAgentInstaller.pkg and then click **Install** to begin deployment.

Deploy Seqrite Mac Client using Casper

In addition to the Prerequisites described in the preceding section, follow this prerequisite.

Prerequisite

Before deploying Seqrite Mac client, ensure that you get Casper tool installed on your administrator computer. Casper helps to install software and run scripts remotely on the client computers. To download Casper, visit http://www.jamfsoftware.com/products/casper-suite/.

To deploy Seqrite Mac client using Casper, follow these steps:

1. Log on to Casper Admin.
2. Drag ClientAgentInstaller.pkg to the window and then select **File > Save**.
3. Log on to Casper Remote.
4. In the *Computers* tab, select the Mac client computers from the list of available computers.
5. In the *Packages* tab, select ClientAgentInstaller.pkg.
6. Click **Go**.

Connecting remotely using Secure Shell

Secure Shell (SSH) is a network protocol that is used to connect to the remote Mac client computers over secure data communication through command line to manage client computers.

Using Terminal (for Mac or Linux OS)

The administrator computer having either Mac or Linux OS can install the client using this method.

Prerequisites

Before you install Seqrite Mac client, ensure the following requirements.

- Administrator must have an account on the Mac client computers with admin privileges.
- Enable Remote Login and either allow access for all users, or only for specific users, such as Administrators. You can find this setting on the Mac computer under **System Preferences > Sharing > Remote Login**.
- Ensure that the firewall does not block the port that Secure Shell (SSH) uses, which is by default TCP port 22. This port allows the required communication for remote login.
- If you use the Mac firewall, disable stealth mode. With stealth mode enabled, the remote push installation cannot discover the client through Search Network.
- To disable stealth mode on the Mac computers, do the following,

1. In System Preferences, go to **Security and Privacy**.
2. Click the **Lock** icon and provide password if it is locked.
3. Select **Firewall > Firewall Options**.
4. Clear the **Enable stealth mode** check box if it is selected.
5. Click **OK**.

- Mac Seqrite Client installer must be created on the Seqrite Endpoint Security Cloud. To know about how to create client installer, see Creating Mac client Installer.

Installing Seqrite Mac client

To install Seqrite Mac client using Terminal, follow these steps on the administrator Mac computer:

1. On the Seqrite Endpoint Security cloud, download UEMREMOTEINST.TAR from the URL,

   http://dlupdate.quickheal.com/builds/seqrite/uemcp/en/UEMREMOTEINST.tar
2. Download Mac client builds (with/without AV) from the UEM server. These builds will be in the TAR format.
3. Rename the Mac client installer as follows:

   Mac client installer (without AV) - MCCLAGNT.TAR

   Mac client installer (with AV) - MCCLAGAV.TAR
4. Extract UEMREMOTEINST.TAR.
5. Copy MCCLAGNT.TAR or MCCLAGAV.TAR to "< Download directory>/UEMREMOTEINST". Download directory is the directory where you have downloaded and extracted UEMREMOTEINST.TAR.
6. Open Terminal.app and go to the UEMREMOTEINST\Remote_Installation folder.
7. Enter the following command

   ```
   sh ./Scripts/copy.sh <username> <ip_address>
   ```

Parameter description

sh ./Scripts/copy.sh is static.

<username> specifies the user name of the remote Mac computer such as 'test'.

<ip_address> specifies the IP address of the remote Mac computer such as '10.10.0.0'.

Example: sh ./Scripts/copy.sh "test" "10.10.0.0"

8. Enter the password of the remote computer to connect to it.
9. Enter the command `sudo sh /tmp/install.sh`.
10. Enter the password of the remote computer when prompted.

11. A confirmation message appears - "If earlier version of Seqrite Endpoint Security client is found on the system, then it will be uninstalled automatically. Do you want to continue?? [Yes/No]:".
12. Enter **Yes** or **No**.
    - If you enter **Yes**, installation will proceed.
    - If you enter **No**, installation will be aborted with message "Option No has been selected. Installation aborted."
13. Enter the command `exit` to close remote SSH session.

Repeat steps 6 through 10 to install Seqrite Mac client on a different remote computer.

Using PuTTY (for Windows OS)

The administrator computer having Windows OS can install the Mac client using this method.

Prerequisites

Before you install Seqrite Mac client, ensure the following requirements.

- Administrator must have an account on the Mac client computers with admin privileges.
- Enable Remote Login and either allow access for all users, or only for specific users, such as Administrators. You can find this setting on the Mac client computer under **System Preferences > Sharing > Remote Login**.
- Ensure that the firewall does not block the port that Secure Shell (SSH) uses, which is by default TCP port 22. This port allows the required communication for remote login.
- If you use the Mac firewall, disable stealth mode. With stealth mode enabled, the remote push installation cannot discover the client through Search Network.
- To disable stealth mode on the Mac computers, do the following,
  1. In System Preferences, go to **Security and Privacy**.
  2. Click the **Lock** icon and provide password if it is locked.
  3. Select **Firewall > Firewall Options**.
  4. Clear the **Enable stealth mode** check box if it is selected.
  5. Click **OK**.
- Mac Seqrite client installer must be created on the Seqrite Endpoint Security cloud. To know about how to create client installer, see Creating Mac client Installer.

Installing Seqrite Mac Client

To install Seqrite Mac client using PuTTY, follow these steps:

1. On the Seqrite Endpoint Security cloud, download UEMREMOTEINST.TAR from the URL,

   http://dlupdate.quickheal.com/builds/seqrite/uemcp/en/UEMREMOTEINST.tar

2. Download Mac client builds (with/without AV) from the UEM server. These builds will be in the TAR format.
3. Rename the Mac client installer as follows:

   Mac client installer (without AV) - MCCLAGNT.TAR

   Mac client installer (with AV) - MCCLAGAV.TAR
4. Extract UEMREMOTEINST.TAR.
5. Copy MCCLAGNT.TAR or MCCLAGAV.TAR to "<Download directory>/UEMREMOTEINST". Download directory is the directory where you have downloaded and extracted UEMREMOTEINST.TAR.
6. Open cmd.exe and go to the folder "< Download directory>/UEMREMOTEINST".
7. Do one of the following:

- Enter the following command if antivirus is included in the client installer

```
.\Remote_Installation\Softwares\pscp.exe .\ MCCLAGAV.TAR
.\Remote_Installation\Scripts\install.sh
<username>@<ip_address>:/tmp/
```

- Enter the following command if antivirus is not included in the client installer

```
.\Remote_Installation\Softwares\pscp.exe .\MCCLAGNT.TAR
.\Remote_Installation\Scripts\install.sh
<username>@<ip_address>:/tmp/
```

When MCCLAGAV.TAR as well as MCCLAGNT.TAR files are present, priority is given to the MCCLAGAV.TAR for installing the Seqrite mac client.

Parameter description

<username> specifies the user name of the remote Mac client computer such as 'test'.

<ip_address> specifies the IP address of the remote Mac client computer such as '10.10.0.0'.

Example: .\Remote_Installation\Softwares\pscp.exe .\MCCLAGNT.TAR .\Remote_Installation\Scripts\install.sh test@10.10.0.0:/tmp/.

8. Open .\Remote_Installation\Softwares\putty.exe.
9. Enter the IP address of the remote Mac client computer and click *Open*.
10. In the PuTTY terminal Window, enter the user name and password of an administrator user on the remote computer.
11. Upon getting connected to the remote computer, type the following command `sudo sh /tmp/install.sh`.
12. A confirmation message appears - "If earlier version of Seqrite Endpoint Security client is found on the system, then it will be uninstalled automatically. Do you want to continue?? [Yes/No]:".

13 Enter **Yes** or **No**.

- If you enter **Yes,** installation will proceed.
- If you enter **No,** installation will be aborted with message "Option No has been selected. Installation aborted."

14 Type the command `exit` to close SSH connection.

Repeat steps 6 through 11 to install on a different Mac client computer.

Note

While installing the Mac client for the first time on Mac OS 10.13, user should allow permission for loading the drivers manually when prompted.