

Installation steps of SecureAnyBox5 Agent

MS Windows

At first, please download the SecureAnyBox5 Agent and the configuration file for Windows platform. Before installing the SecureAnyBox5 Agent, please import its configuration into the Windows registry, by double-click the configuration file (secureanybox-agent.reg). After the configuration is registered, it is possible to install the SecureAnyBox5 Agent.

macOS

Before the installation, please download the SecureAnyBox5 Agent and configuration file for macOS platform.

Install the SecureAnyBox5 Agent on your station. After installation of the SecureAnyBox5 Agent completed, please run configuration utility (sab-config). Into that configuration utility, please select the configuration file and apply it.

Linux

Before installing, please download the SecureAnyBox5 Agent installation package suitable for your Linux distribution and the configuration file for the Linux platform.

Install the SecureAnyBox5 Agent on your station. After the installation completed, copy the configuration file (secureanybox-agent.properties) to the /etc/secureanybox folder, that folder created during the SecureAnyBox5 Agent installation (root permission is required to access the folder).

To apply the configuration immediately, you must restart the SecureAnyBox5 Agent by running “/etc/init.d/secureanybox-agent restart” in the terminal. However, without restart of SecureAnyBox5 Agent, the configuration will be applied after 10 minutes, when SecureAnyBox5 Agent checks the folder for configuration.

Prerequisites for installing and successful running the SecureAnyBox5 Agent on Linux:

- LSB (Linux Standard Base) - must be installed **before** installing the SecureAnyBox5 Agent
- Python 2.7 (recommended version 2.7.18) with package urllib2 – to successfully register station

Installation of LSB

Linux Standard Base (lsb) must be installed. Linux Standard Base is available through various online repositories.

The installation procedure depends on your distribution, it can be for example **sudo yum install redhat-lsb-core** for SUSE/RedHat/CentOS Linux(rpm based) or **sudo apt-get install lsb-core** for Ubuntu Linux, Debian (deb package based distributions).

For SUSE Linux Enterprise Server 15 SP4 distribution and OES 2023 distribution of Linux you can use:

```
wget https://rpmfind.net/linux/opensuse/distribution/leap/15.2/repo/oss/x86_64/lsb-4.0-lp152.4.4.x86_64.rpm
```

and after the package is downloaded install it by running the command:

```
rpm -ihv lsb-4.0-lp152.4.4.x86_64.rpm --nodeps
```

On some Linux distributions (e.g. Open SUSE) it is also necessary to install **insserv-compat** package to enable init scripts and start SecureAnyBox5 automatically. Installation of Linux Standard Base can be done manually by running the command:

```
sudo zypper install insserv-compat
```

Troubleshooting

In a case of problems with SecureAnyBox5 Agent, please refer to the log. Logging of the SecureAnyBox5 Agent on the Linux and macOS platform runs automatically into a file `var/log/secureanybox-agent.log`. On Linux, you can even enable detailed debug logging in `/etc/secureanybox/settings` by renaming (or copying) the “`settings.example`” file to “`settings`” and uncommenting the “**`export SECUREANYBOX_AGENT_DEBUG = true`**” line.

The log file on the macOS platform is possible to view in the Console. The log file on the MS Windows platform is possible to view by using SecureAnyBox5 Monitor utility (download in `SecureAnyBox/Downloads`) or in the Windows Event Viewer.

Station will not connect even though it has access to the server

If the station is not registered even though the station has access to the server, the most likely reason is an incorrect configuration of the Agent (e.g. the configuration has been changed on the server but not on the station) or a problem with https certificate verification. The https certificate must be imported as trusted on the Agent station. On Linux, it must be located in a Keystore that uses Python for certificate verification. This can be checked in the terminal using the command:

```
python -c 'import urllib2; import sys; resp = urllib2.urlopen("https://your.secureanyboxserveraddress.com"); rcode = resp.getcode(); body = resp.read(); print rcode; print ""; print body;'
```

If certificate validation is successful, **on the first row of the response is code 200**.

When the certificate validation fails, an error is displayed:

```
urllib2.URLLError: <urlopen error [SSL: CERTIFICATE_VERIFY_FAILED] certificate verify failed (_ssl.c:590)>
```

If urllib2 not found

- Check which version of python installed:

```
python --version
```

or

```
python -v
```

Urllib2 is a built-in package of Python 2.x.x. To be able to run urllib2, it is necessary to have Python 2.x.x (recommended 2.7.18) installed properly. Some distributions of Linux may not have full version of Python 2.7.x installed. Try re-installing it.

```
wget https://www.python.org/ftp/python/2.7.18/Python-2.7.18.tgz
```

```
sudo tar xzf Python-2.7.18.tgz
```

```
cd Python-2.7.18/
```

```
sudo ./configure
```

```
sudo make altinstall
```

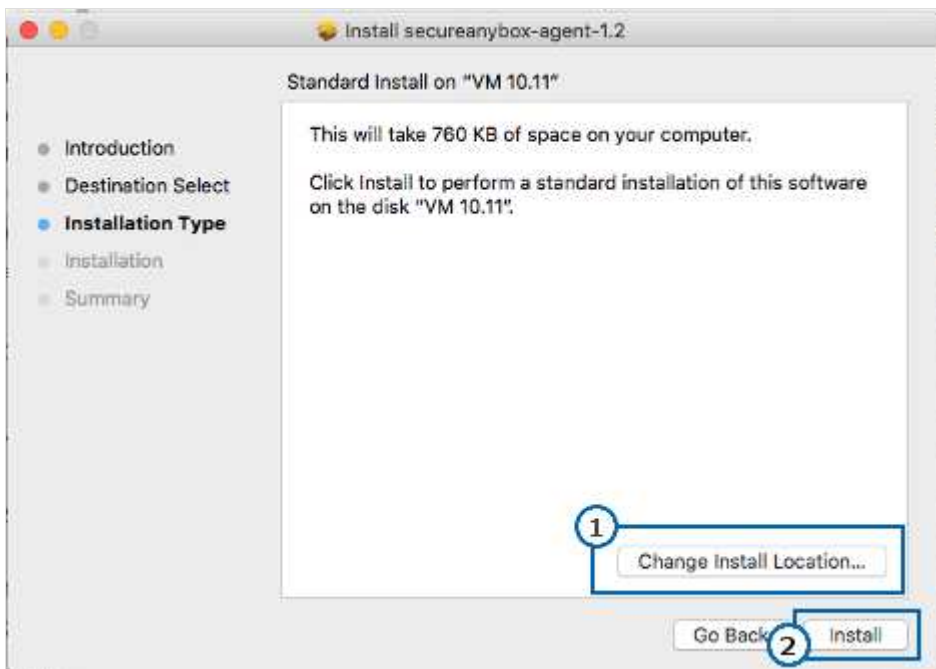
▶ Station that was previously registered fails to re-register

If the station was previously registered but cannot be registered after changes to the station, please first check that the station has the correct agent configuration uploaded. If the agent configuration on the station is correct, please go to the Station page in the SecureAnyBox part and remove the original registration of the station. The station should re-register automatically within 10 minutes. Alternatively, you can manually re-register the station.

▶ Installation of SecureAnyBox5 Agent on MAC OS

To install SecureAnyBox5 Agent on MAC OS platform, please run installer (secureanybox-agent-1.x.pkg).

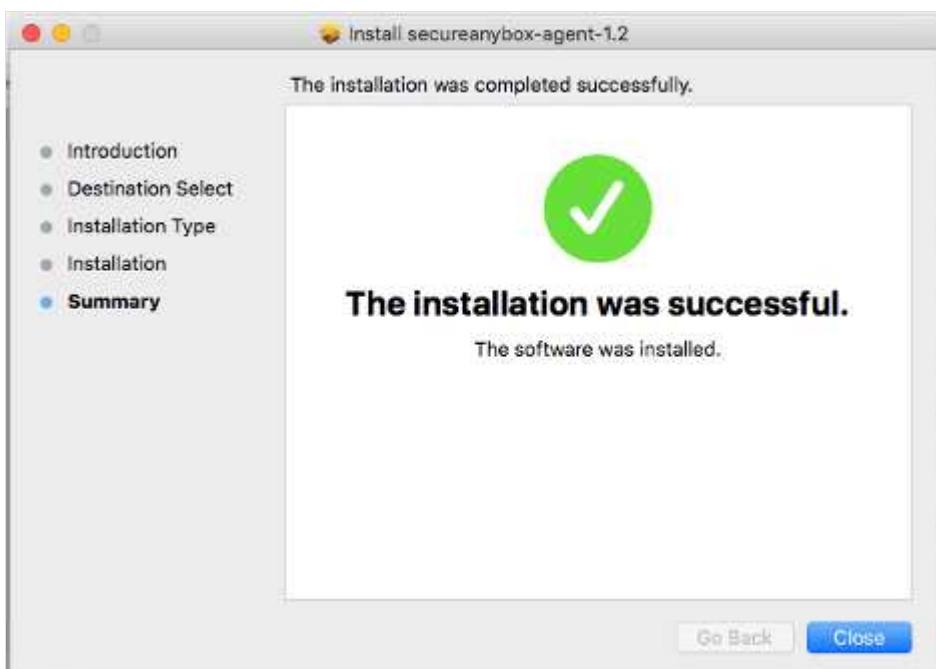
At the third step of the installer, it is possible to change an install location, by clicking the appropriate button (1). To proceed with the installation, please click the **Install** button (2)



After clicking the **Install** button, it is necessary to enter the user password to allow the installation.



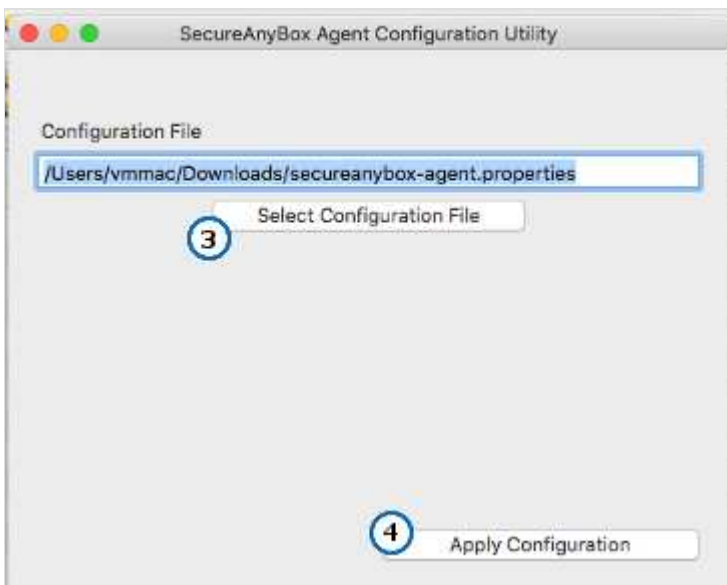
Once the installation finished, information about the successful installation of the SecureAnyBox5 Agent is displayed.



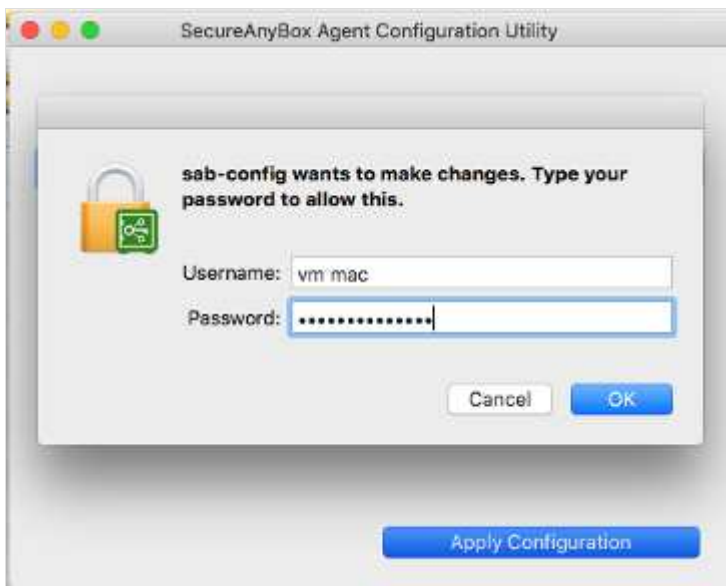
When the installer closed, please go to the Launchpad where you can find the sab-config application.



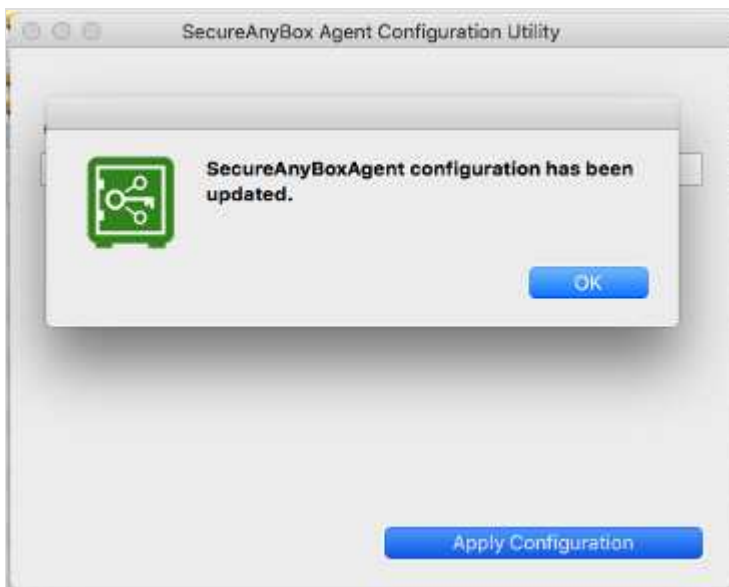
Start the application by double click on its icon. When the application starts, please select the downloaded configuration file by clicking on the button (3). Once the configuration file selected, apply it by clicking an appropriate button (4).



To apply the configuration is necessary to enter your password.



After the configuration was updated, information about it displays, and SecureAnyBox5 Agent successfully installed.



After the installation complete, SecureAnyBox5 Agent verifies that the applied Agent Configuration matches the configuration on the SecureAnyBox5 server. If so, the station will be registered automatically (it might take 10 minutes). If the SecureAnyBox5 Agent does not have access to the server, it is possible to register the station manually.