

## Vembu StoreGrid Mac OS X Installation Guide

The StoreGrid Mac OS X version is available for download in the following URL:

<http://www.vembu.com/storegrid/storegrid-download-form.html>

Download the Mac OS X installer, VembuStoreGrid\_2\_2\_SP\_Mac.zip

**Note: In Mac OS X, you will not be able to open a new terminal window when StoreGrid installation process is in progress.**

**Vembu StoreGrid Mac OS X installation will need Developer Tools installed on your computer - this typically comes free with your Mac OS X installation CD. [Click here](#) to view the packages required for StoreGrid installation.**

**To install StoreGrid on Mac OS X machines, follow the steps given below:**

1. Unzip the file **VembuStoreGrid\_2\_2\_SP\_Mac.zip**. The contents of the zip file will be extracted under the directory VembuStoreGrid\_2\_2\_SP\_Mac.
2. Go to the **VembuStoreGrid\_2\_2\_SP\_Mac** directory. Double click "**InstallStoreGrid**" and follow the instructions in the installation wizard.
3. Click Next to begin the installation process. Go through the license agreement, select "I accept the agreement" and proceed to the Next step.
4. By default, StoreGrid will be installed under "Vembu/StoreGrid" in the current directory. Click Next to continue installation in the default directory. Click Browse to choose a different directory. Note that this will create the "Vembu/StoreGrid" directory under the directory you choose. Click Next to continue.

### **5. Upgrading from StoreGrid 2.1.1 to 2.2**

If **Vembu/StoreGrid** directory is found in the installation path. You will be provided with two update options.

- **UPDATE** Vembu StoreGrid by retaining the previous backup data. Note that all backup data in StoreGrid 2.1.1 will be automatically migrated to 2.2 when StoreGrid 2.2 starts for the first time. [ Recommended ]
  - **DELETE** previous backup data and continue with updating Vembu StoreGrid. You will lose all your previous configuration and other backup metadata and also any backup data from other users backing up to this computer. [ Not Recommended ]
6. **Enter a StoreGrid Identity.** This will be used to identify this installation of StoreGrid on your network / your online backup service provider's network. By default, StoreGrid takes the machine name. Ideally, enter the email ID of the client using this particular machine. Using an email ID ensures that your StoreGrid ID is truly unique.

**Note:** The StoreGrid ID value is case insensitive. Hence, the 'StoreGrid ID' you have entered will be automatically converted to lower case.

**Customer Name:** Enter valid StoreGrid Customer Name. The StoreGrid Customer name is the 'name' under which your client is categorized (on the backup server). By default, this is set to "Trial Customer". Your service provider can change this at his end, as required. If your service provider has given you a customer name, please enter it exactly as provided. Otherwise, please leave this as the default "Trial Customer".

7. *(StoreGrid will skip this step and retain existing settings if it detects an earlier version installed)* By default, StoreGrid Server will store the backup data from the clients to the "<INSTALLATION\_DIR>/Vembu/StoreGrid" directory. If you want to change the server's default backup location, please choose a different directory. Click Next to continue.
8. *(StoreGrid will skip this step and retain existing settings if it detects an earlier version installed)* There are three parts to this step.
  - **Configure Web Server Port :** StoreGrid's user interface is browser based. You have the option to configure the port used by StoreGrid web server here. Once configured you need to use this port to start the StoreGrid Web Console from your browser. By default StoreGrid Web server is configured to run on port 6060. Unless you are an advanced user, please leave this as is.

- **Username & Password :** Since StoreGrid's user interface is browser based you need to configure a username and password to login to StoreGrid Web Console. Note that you can add additional users, delete users, change password etc. from the Web Console UI after the installation. By default the username and password used by StoreGrid is "admin" and "admin". You have the option to change these default settings here.
- **StoreGrid Port Configuration:** By default StoreGrid uses the 'Backup Server Port' 32004, which is used for all the client-server communications like Backup/Restore, and the 'UI Communication Port' 32005, which is used for communication between the StoreGrid WebConsole and the StoreGrid Application. Please modify the 'Backup Server Port' and 'UI Communication Port' in the StoreGrid Port Configuration screen
  - i. Provide valid TCP port number for 'Backup Server Port'.
  - ii. Provide valid TCP port number for 'UI Communication Port'.
  - iii. Enable HTTPS: You can enable the secure HTTPS web access by checking the "Enable HTTPS" check box. HTTPS Port is the secure webconsole port through which you can access the StoreGrid webconsole in secure manner. You should enable "Enable HTTPS" option to edit this value. The default HTTPS port value is 6061.

If you have and enabled "Enable HTTPS" option, you can access the StoreGrid webconsole through `https://<machine name>:<HTTPS port>` URL. And also, if you try to access the StoreGrid webconsole through `http://<machine name>:<webconsole port>`, then you will be automatically redirected to `https://<machine name>:<HTTPS port>` url.

**Note :** To enable https support in StoreGrid, please ensure that openssl is installed on your system before you enable https support. If not, download and install the latest openssl version from <http://www.openssl.org/source/>

9. Click Next to review your settings. Thereafter, click Install, and proceed to install StoreGrid.

If you are updating from an earlier version, StoreGrid will be stopped and you have to restart manually after the installation.

10. This installs the product and complete the installation process. After successful installation, you are provided with two options to start StoreGrid. Either you can start StoreGrid as a daemon process or as an application.
  - i. To start StoreGrid as daemon process, select "Daemon Process" and click "OK" and enter the password of the current user. Make sure that the current user has admin rights. To stop StoreGrid, open a terminal and execute the command `"/sbin/SystemStarter stop StoreGrid"`. To start StoreGrid, execute `"/sbin/SystemStarter start StoreGrid"`. To remove StoreGrid running as daemon process, stop StoreGrid and remove the directory `"/System/Library/StartupItems/StoreGrid"`. To add StoreGrid as a daemon process, login as root user and copy the directory `<INSTALLATION_HOME>/daemon/StoreGrid` to `/System/Library/StartupItems`.
  - ii. To start StoreGrid as application, select "Application Process" and click "OK". To stop StoreGrid, execute the script `"stopStoreGrid.sh"` from the directory `"<INSTALLATION_HOME>/Vembu/StoreGrid/"`. To start StoreGrid, execute the script `"startStoreGrid.sh"` from the directory `"<INSTALLATION_HOME>/Vembu/StoreGrid/"`.

## Note

- StoreGrid will automatically migrate your old data to 2.2 after you start StoreGrid for the first time.
- After successful installation, you can open the StoreGrid WebConsole from your browser by typing `http://<Your Machine Name>:6060`. You will have to login to the WebConsole using the username and password you provided during installation

**Vembu StoreGrid Mac OS X installation compiles and installs its own version of Apache, GD and PHP. So before installing StoreGrid in Mac OS X machines, please check that the following packages were installed.**

1. **make**, available from <http://ftp.gnu.org/pub/gnu/make/>
2. **gcc**, available from <http://gcc.gnu.org/>

3. **g++**, available from <http://gcc.gnu.org/>
4. **libstdc++**, available from <http://gcc.gnu.org/libstdc++/>

The following 3rd-party libraries will be used by gd if found by configure. While gd will compile and install even without these, we suggest that at least zlib and libpng are installed, and recommend that freetype and jpeg are installed as well:

1. Data compression library: **zlib**, available from <http://www.gzip.org/zlib/>
2. Portable Network Graphics library; requires **libpng**, available from <http://www.libpng.org/pub/png/>
3. Free, high-quality, and portable font engine: **FreeType 2.x**, available from <http://www.freetype.org>
4. Portable JPEG compression/decompression library: **JPEG** library, available from <http://www.ijg.org/>

To install PHP following 3rd-party libraries are required :

1. **Flex**, available from <http://lex.sourceforge.net/> -- Flex is a tool for generating programs that perform pattern-matching on text.
2. **Bison**, available from <http://www.gnu.org/software/bison/> -- Bison is a general-purpose parser generator that converts a grammar description for an LALR context-free grammar into a C program to parse that grammar.

(OR)

3. **libxml2**, available from <http://www.xmlsoft.org/> -- XML DOM library used by php's xml parser.

To install Apache with HTTPS support, Open SSL libraries are required :

1. To enable https support in StoreGrid, please ensure that openssl is installed on your system before you enable https support. If not, download and install the latest openssl version from <http://www.openssl.org/source/>.