



INFORMATION TECHNOLOGY
LAMAR UNIVERSITY
Security Operations Center

macOS VPN SETUP AND CONFIGURATION GUIDE

This guide is intended to assist users in establishing a remote VPN connection to the Lamar University network. Virtual Private Networking (VPN) gives the user an encrypted connection to the Lamar University network. Passwords and other sensitive information will be securely transmitted over the Internet and into the campus network. Traffic to and from the Lamar University network will be secure and permitted only when using VPN.

Introduction:

Lamar University network access via VPN for macOS computer uses Fortinet's FortiClient. Please read these instructions and notes carefully prior to setting up the VPN on your macOS computer.

Requirements:

- 1) LEA 2-Step registration is required for all Lamar University users
- 2) Working internet connection.
- 3) Tested on macOS 12 Monterey, 13 Ventura, 14 Sonoma, and 15 Sequoia

On campus: VPN client is not required.

Off campus: Must be connected over a working internet connection.



LU VPN ACCESS REQUIRES LEA 2-STEP USING THE DUO MOBILE APP

STEP 1

LEA 2-Step is a two-factor authentication system that provides additional security for access to Lamar University Information Systems.

If you have not registered a device with LEA 2-Step using the Duo Mobile App, please contact the IT Service Desk for assistance. If you have registered, you can move on to Step 2.

More information about the LEA 2-Step can be found by visiting <https://www.lamar.edu/lea2step>.



STEP 2

Installing FortiClient

Determine your OS version, as the configuration instructions can vary depending on which one you have.

Click on the Apple logo in the top-left of the menu bar, then click **“About this Mac.”**





STEP 3

Installing FortiClient

Download and run the installer file from the Lamar University Remote Access page for your platform.



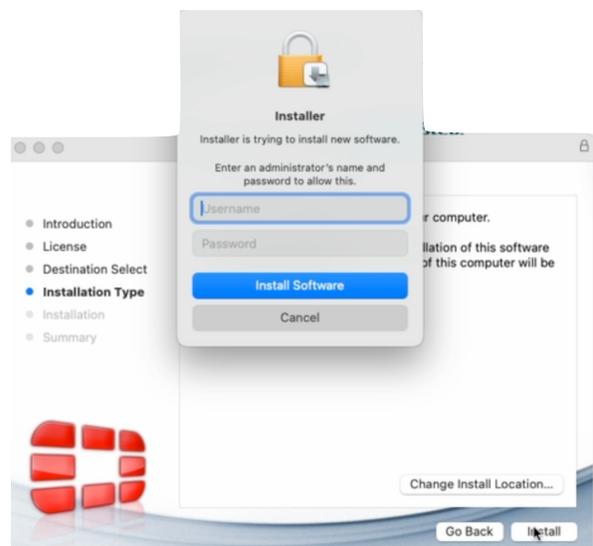
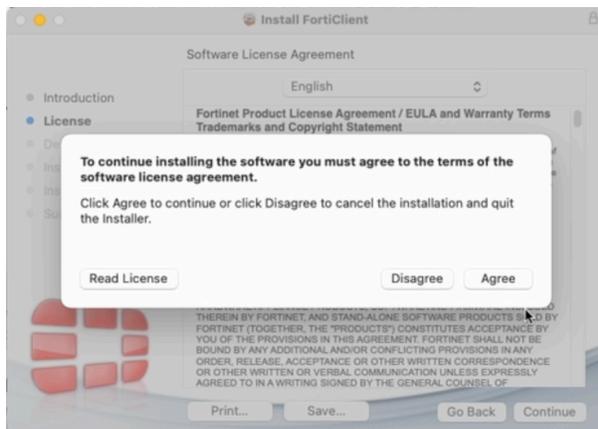
STEP 4

Installing FortiClient

Proceed through the installer.

Accept the license agreement.

You will be prompted for an administrator's name and password.





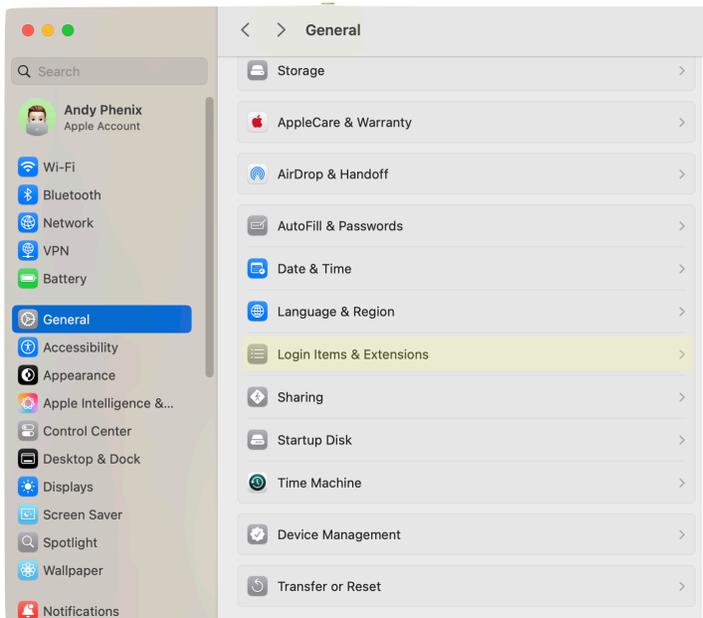
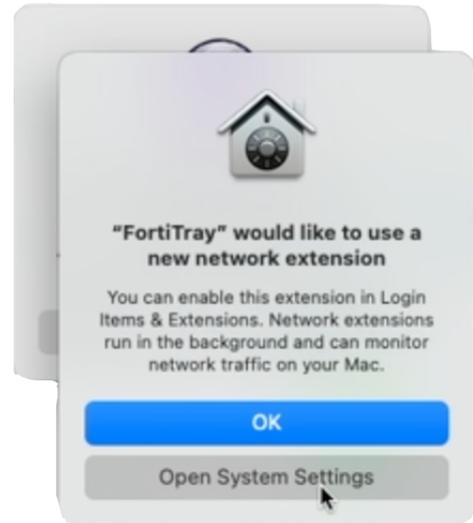
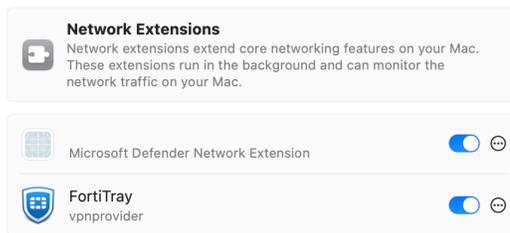
STEP 5 (Sequoia)

Installing FortiClient

Several pop-ups will open simultaneously.

Click “Open System Settings”

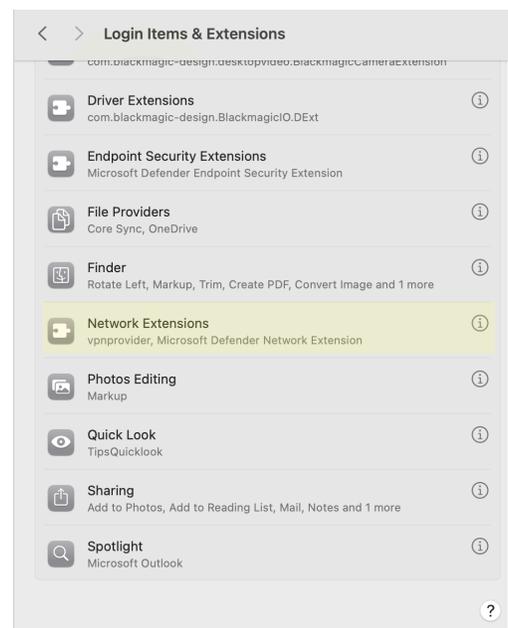
FortiClient should direct you to the correct page in System Settings. Click allow FortiTray and you will be prompted for an administrator’s name and password.



If you don't see the network extensions page, open **System Settings**, navigate to **General** on the sidebar to the left.

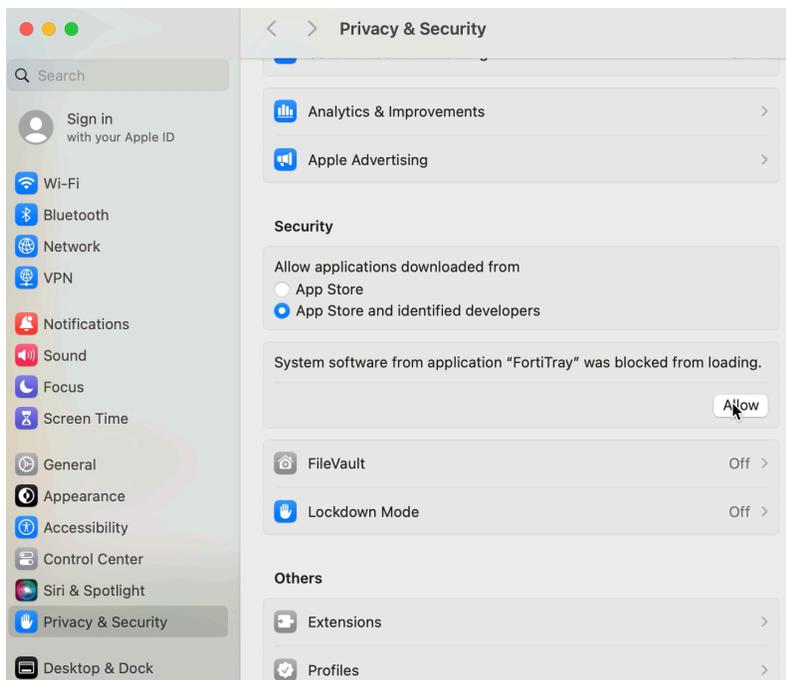
Scroll down and find **Login Items & Extensions**, Click on it, and then scroll down until you see **Network Extensions**.

Click on the (i).





STEP 5 (Ventura and Sonoma) Installing FortiClient



For these two versions, the steps are largely the same except you must also allow FortiTray near the bottom in **Privacy & Security**.

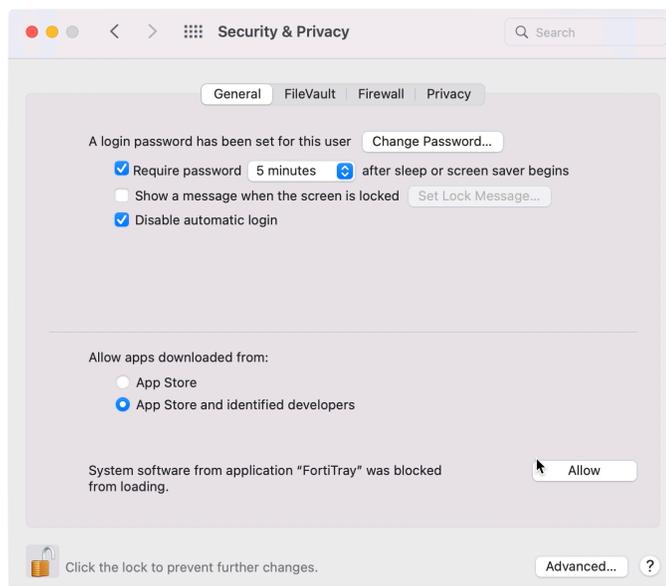
STEP 5 (Monterey) Installing FortiClient

In macOS Monterey, you can allow FortiTray by going to **System Preferences -> Security & Privacy**

Click the lock on the bottom left.

You will be prompted for an administrator's password

Click **“Allow”**





STEP 6

Installing FortiClient

Click “**Allow.**” You may get prompted for an administrator’s name and password.

Proceed to the Step 7.

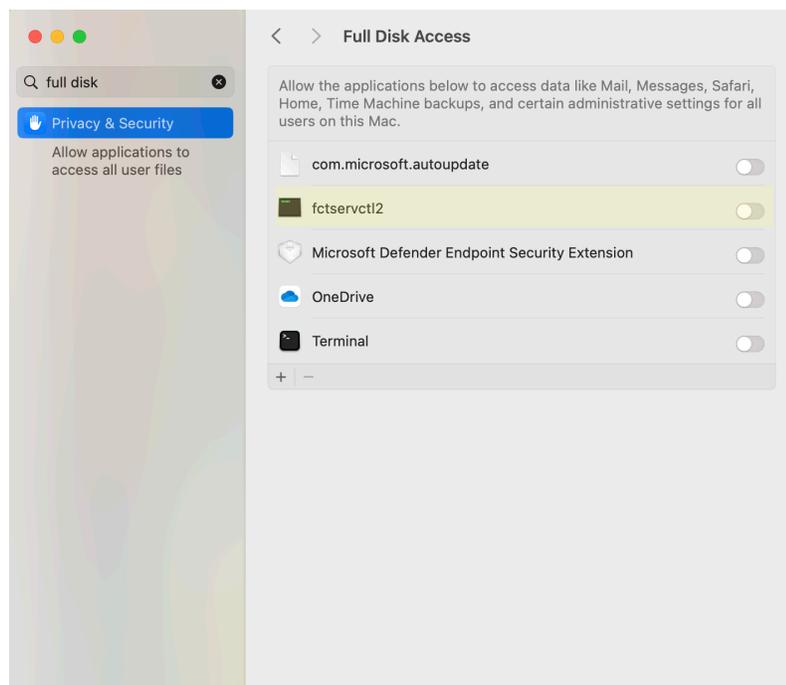
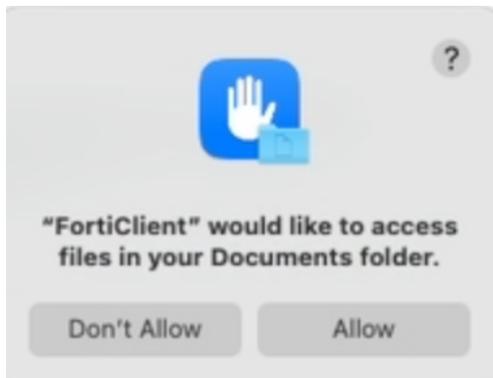


STEP 7

Configuring FortiClient

Click “**Allow**” when FortiClient prompts for access to your documents folder.

FortiClient may also ask for Full Disk Access. To enable, open **System Settings -> Privacy & Security -> Full Disk Access** and enable `ftservctl2`

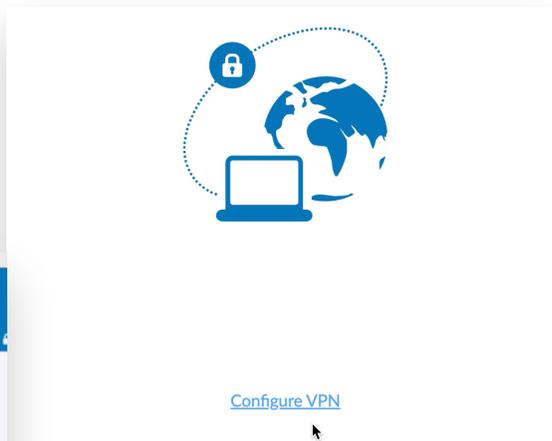
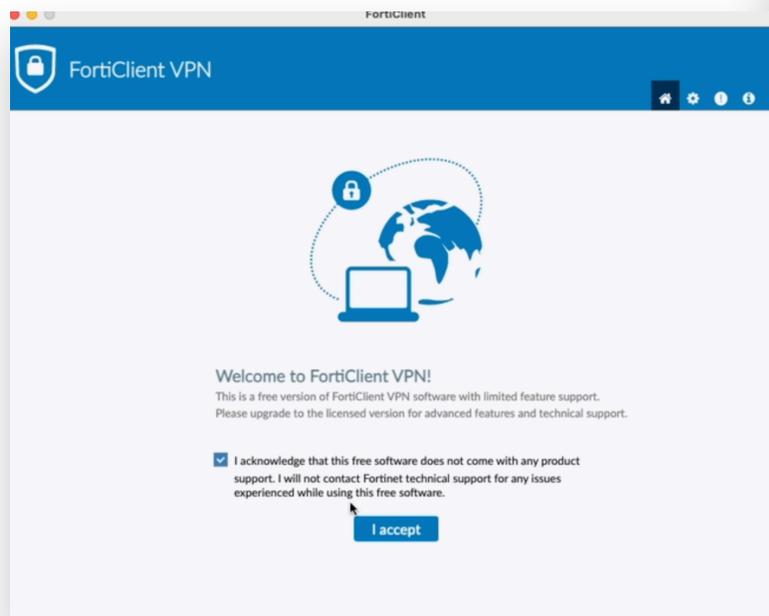




STEP 7

Configuring FortiClient

Read and accept the Terms and Conditions, then click **Configure VPN**.



STEP 8

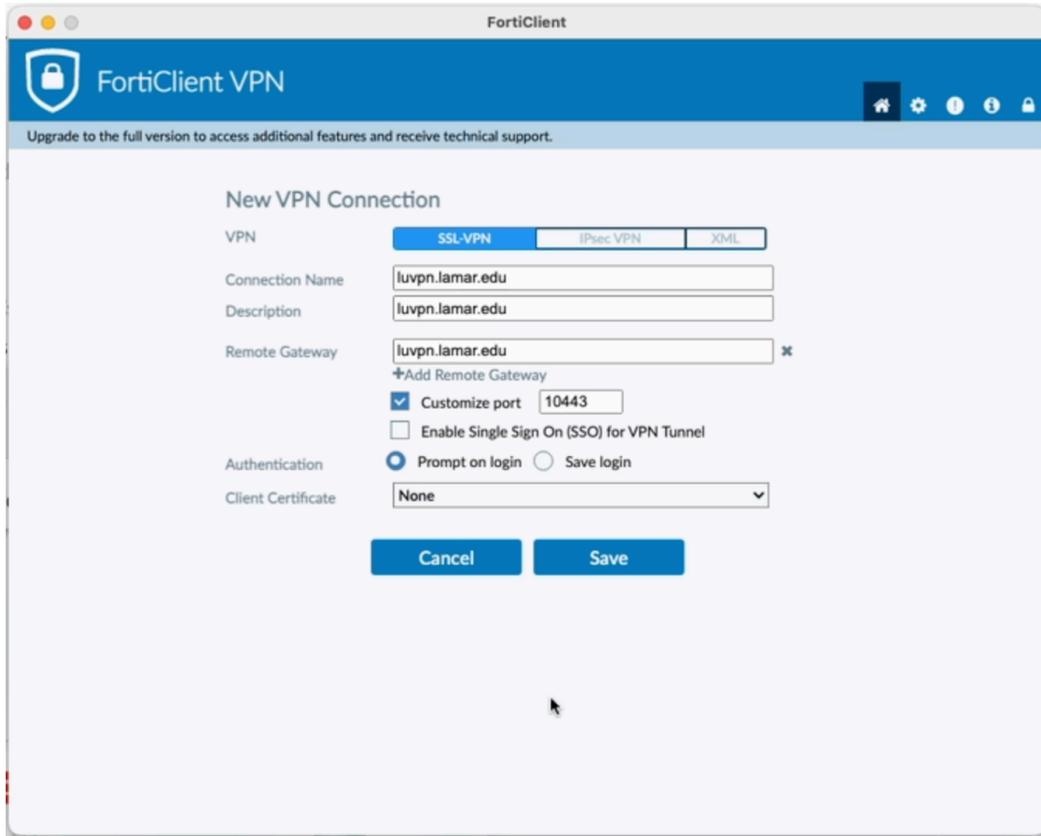
Configuring FortiClient

Enter the information provided on the right in the correct fields under the SSL-VPN choice. (Example of configuration form on next page)

Check the **“Customize port”** box to type in the number in the field.

After you completing the fields, click **“Save”**.

Connection Name	luvpn.lamar.edu
Description	luvpn.lamar.edu
Remote Gateway	luvpn.lamar.edu
Customize port	10443



Verify **"luvpn.lamar.edu"** is selected in the VPN Name field.

Enter in your LEA username (DO NOT include @lamar.edu) and password in their respective fields.

VPN Name

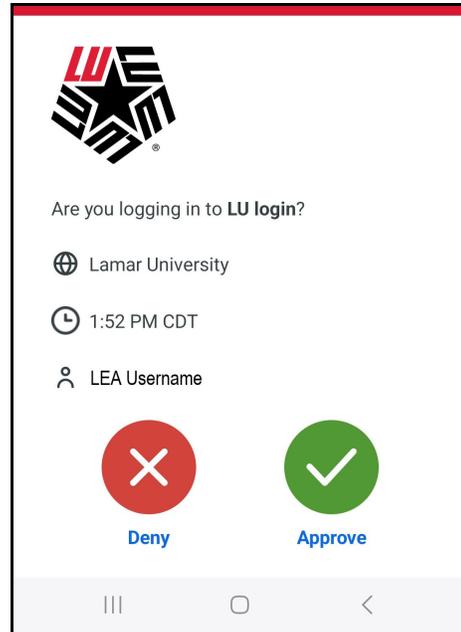
Username

Password

Connect



When prompted on the Duo Mobile App, press **"Approve"** to complete the VPN connection. If you receive a Duo notification without attempting to login, **"Deny"** it, and contact the Service Desk immediately.



Once successfully authenticated, FortiClient should complete the connection and look like the screenshot below.

