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 10.14 Mojave

On campus: VPN client is not required.
Off campus: Must be connected over a working internet connection.

STEP 1

If you have already registered with LEA 2-Step please skip this step.
Register for LEA 2-Step by visiting the link below and clicking on "Get Started with LEA 2-Step"
http://www.lamar.edu/lea2step.

LEA 2-Step

Something You Know + Something You Have = LEA 2-Step

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

Lamar University VPN Users will be using LEA 2-Step for access to VPN. Your LEA account will need to
be registered in addition to enrolling a device that you have. Instructions and information can be found at
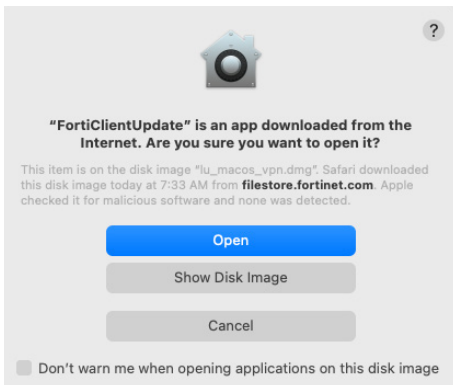http://www.lamar.edu/lea2step.

STEP 2

Download and run the installer located
on the Lamar University remote access
service web page for your platform.

FortiClientUpdate

FortiClient VPN

Downloading FortiClient
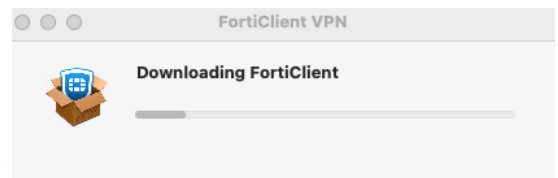
STEP 3

Double click the downloaded installer and a
dialog box will open. Please double click the
"Install.mpkg" to begin the installation.

FortiClient VPN For Mac OS X

"FortiClientUpdate" is an app downloaded from the Internet. Are you sure you want to open it?

This item is on the disk image "lu_macos_vpn.dmg". Safari downloaded this disk image today at 7:33 AM from **filestore.fortinet.com**. Apple checked it for malicious software and none was detected.

Open

Show Disk Image

Cancel

☐ Don't warn me when opening applications on this disk image

You will get a
warning and
need to allow
macOS to
execute the
file and click
"Open".
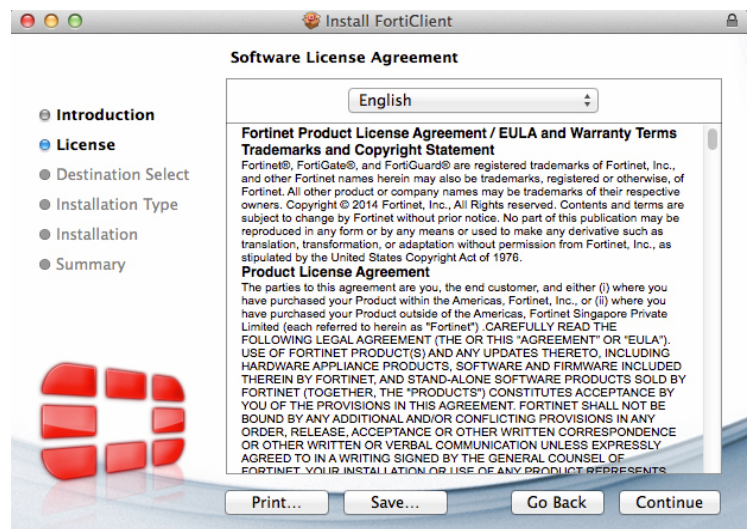
Install

Technical Documentation

Uninstall

STEP 4

Select "Continue" to the welcome message.

STEP 5

Select "Continue"
to agree to the License Agreement.

To continue installing the software you must agree to the terms of the software license agreement.

Click Agree to continue or click Disagree to cancel the installation and quit the Installer.
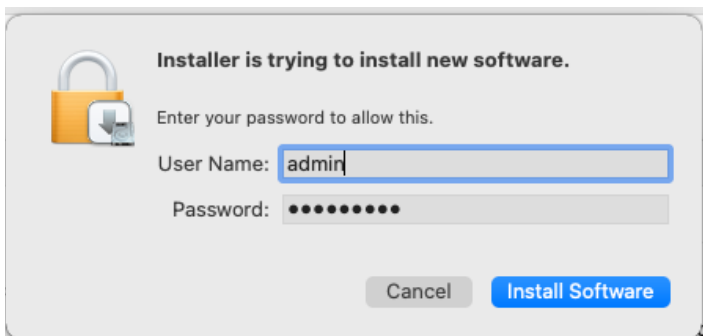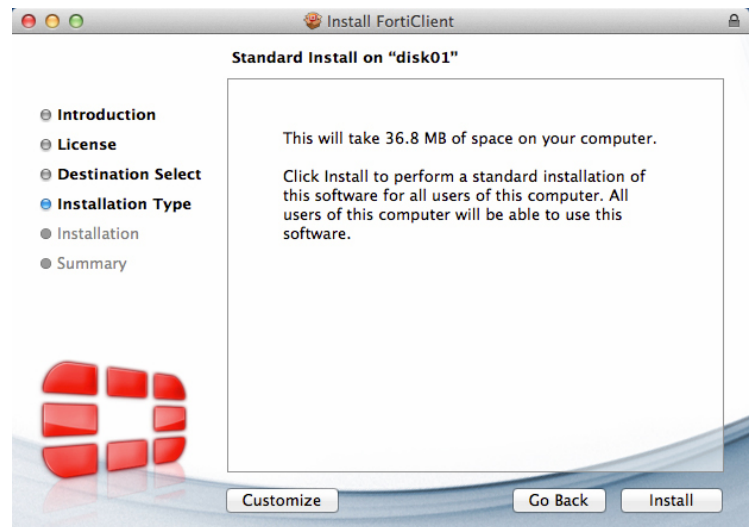
Read License   Disagree   Agree

DIVISION OF INFORMATION
MANAGEMENT AND DECISION SUPPORT
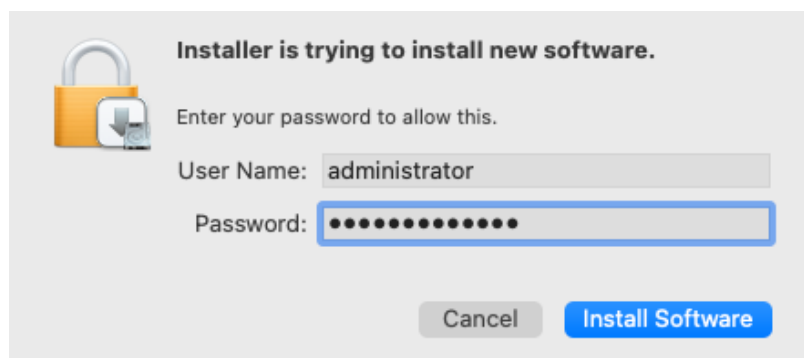**LAMAR UNIVERSITY**

STEP 6

Depending on the version of macOS you are using you may get indications to permit additional permissions for installation.
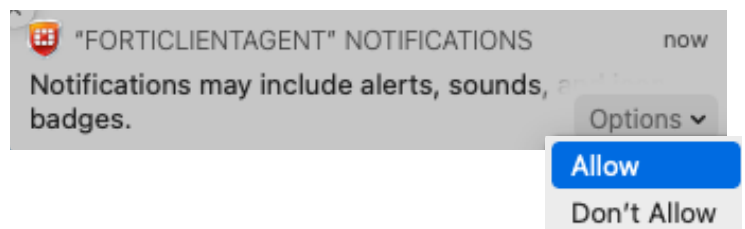
STEP 7

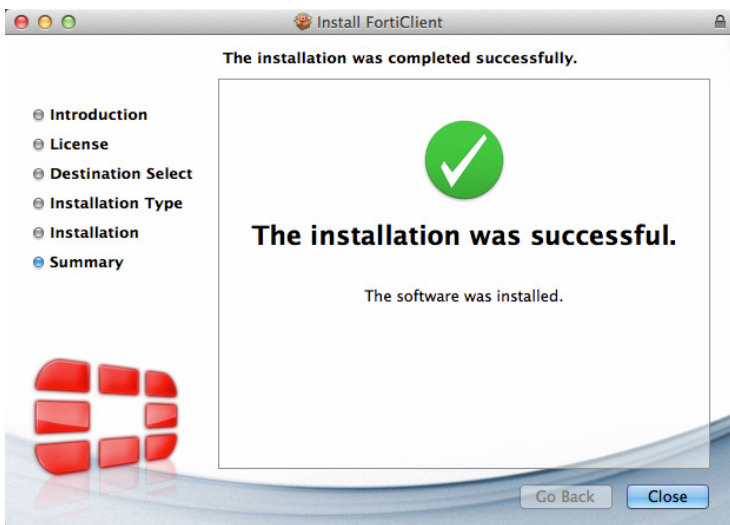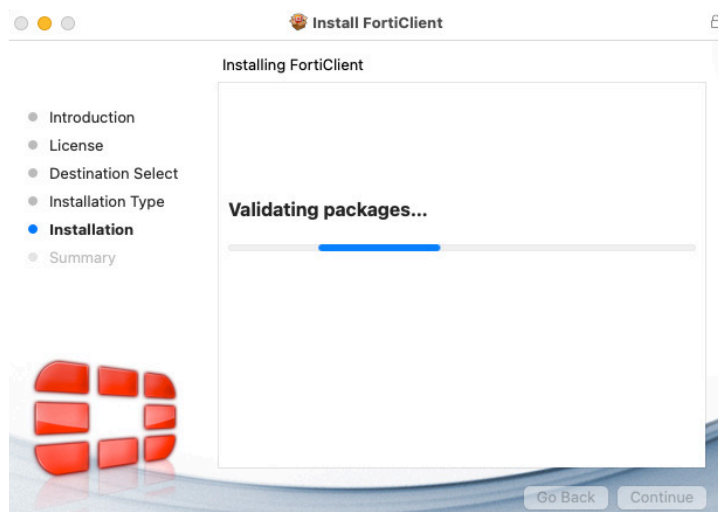Enter an administrator username and password.

STEP 8

Depending on the version of macOS you are using you may get indications to permit additional permissions for installation.

DIVISION OF INFORMATION
MANAGEMENT AND DECISION SUPPORT
LAMAR UNIVERSITY

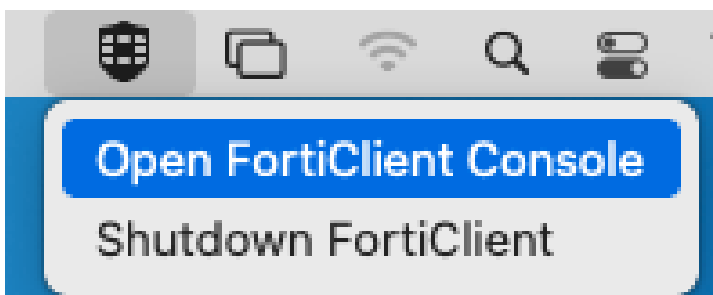## STEP 9

The installation process will begin
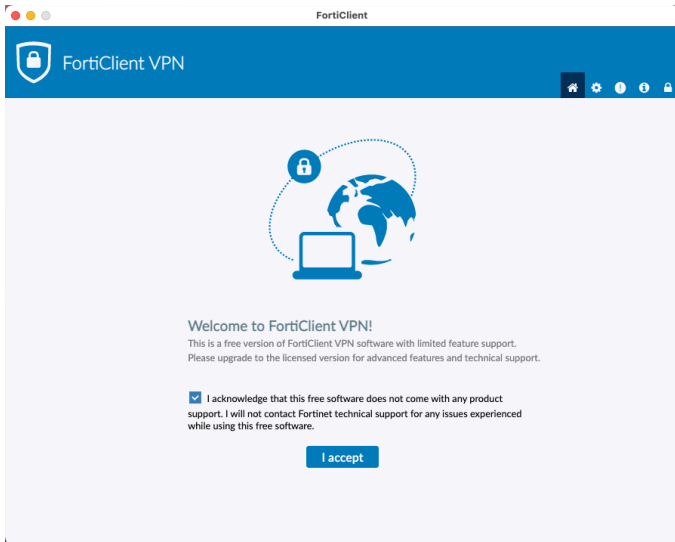

STEP 10

Select "Close" to complete the installation.

STEP 11

Once the forticlient software is installed you will have a forticlient Icon to the right of your menu bar.

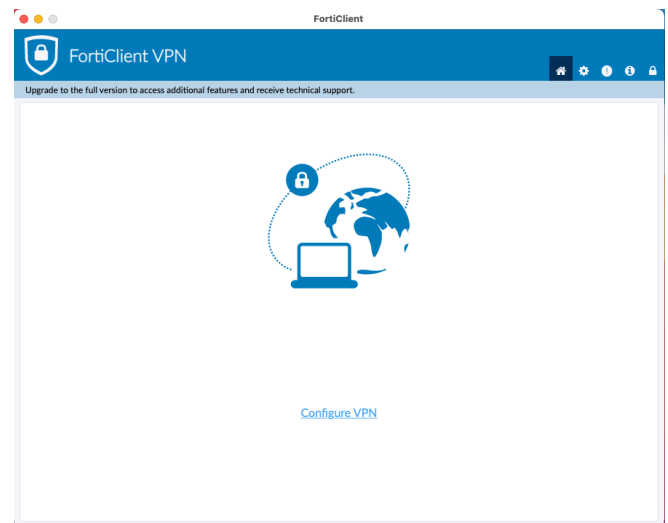Select the forticlient icon and choose Open Forticlient console.

DIVISION OF INFORMATION
MANAGEMENT AND DECISION SUPPORT
LAMAR UNIVERSITY

STEP 12

This will open a new dialog box. Please click the checkbox and "I accept".

STEP 13

Please click "Configure VPN".

STEP 14

Enter the following information in the fields for an SSL-VPN connection. The save Login check box is optional, you can put your LEA username in the "Username" text field to save your username.

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

After you complete the fields indicated click "Add".

**LU VPN ACCESS
REQUIRES LEA-2-STEP
LU VPN ACCESS IS ONLY SUPPORTED
USING THE DUO MOBILE APP**

STEP 15

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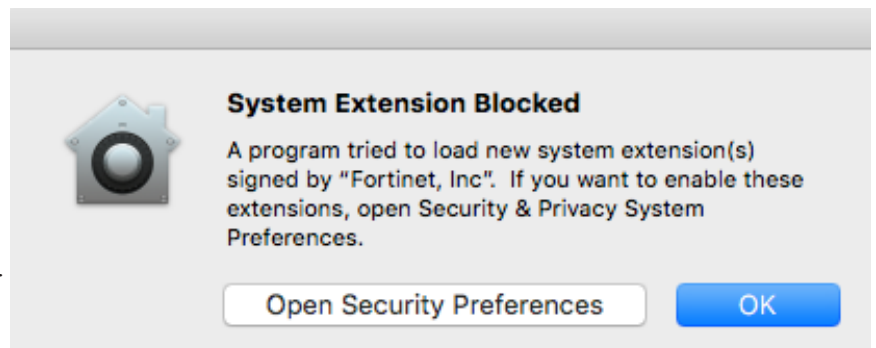in the "VPN Name" field.

Enter your LEA username into the username field.
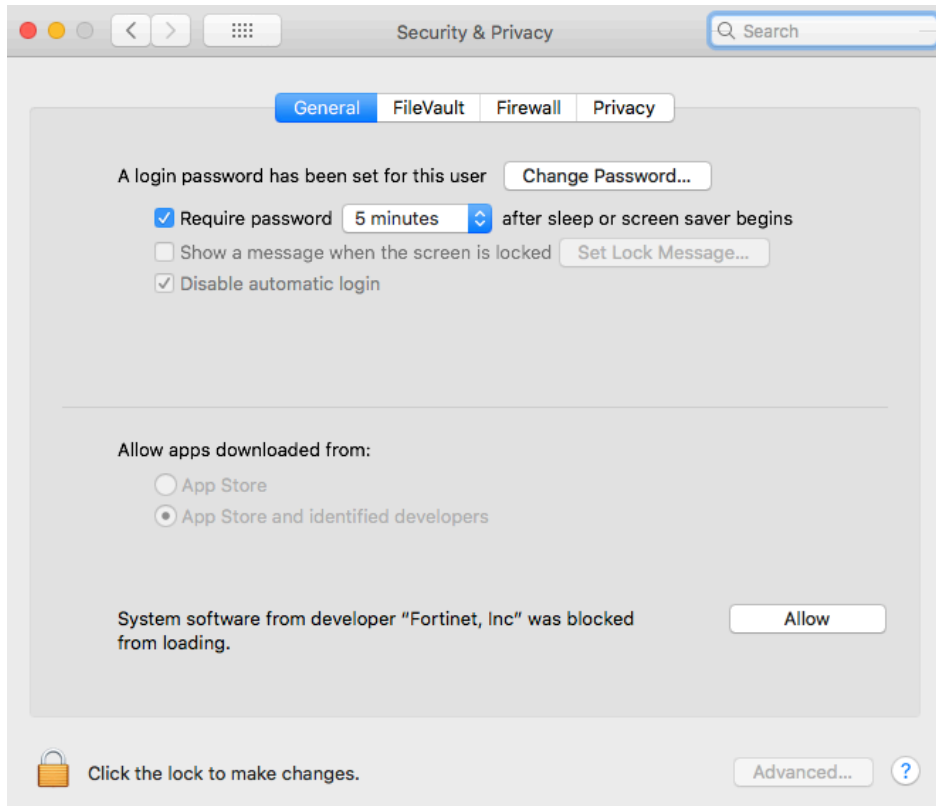(Do not add @bmt or any other
suffixes or prefixes)

Enter your LEA password into the password field.

2

VPN Name	luvpn.lamar.edu
Username	your_lea_username
Password	

Connect

STEP 16

Depending on the version of macOS you
are using you may have to permit the
forticlient software from the "Security &
Privacy" in "System Preferences".
Please click "Open Security Preferences".

System Extension Blocked

A program tried to load new system extension(s)
signed by "Fortinet, Inc". If you want to enable these
extensions, open Security & Privacy System
Preferences.

Open Security Preferences   OK

DIVISION OF INFORMATION
MANAGEMENT AND DECISION SUPPORT
LAMAR UNIVERSITY

STEP 17

In the "Security & Privacy" dialog box you need to click on the lock in the lower right hand corner to make changes. You will be prompted for an administrator account and password. After unlocking please click the "Allow" button.
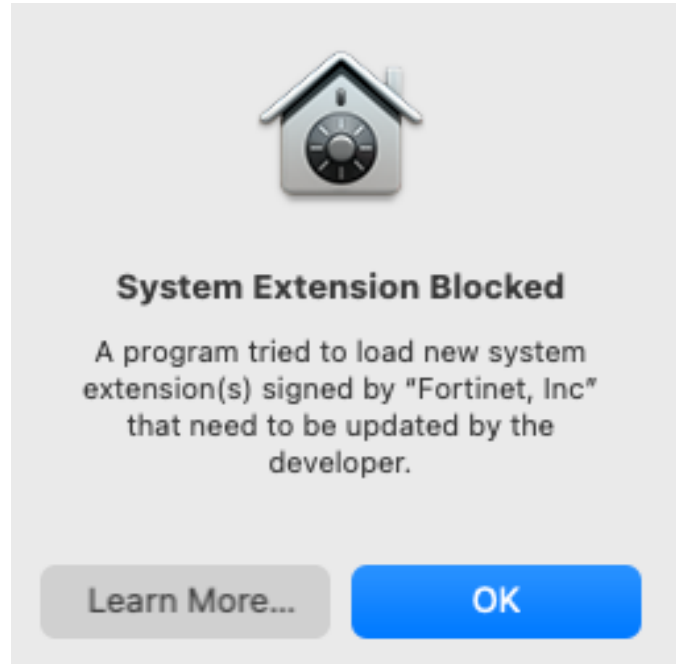

STEP 18

In the "Security & Privacy" dialog box please click on the "Privacy" tab. Please ensure the checkboxes are checked. If these are grayed out you will need to unlock by clicking on the Lock in the lower left hand corner and unlock.
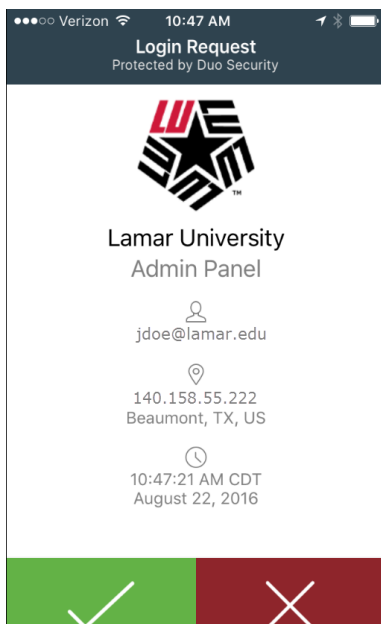
FCAPTMON
FCTSERVCTL
FMON
FORTICLIENT

STEP 19

If you see the following dialog box please click "OK".

System Extension Blocked

A program tried to load new system extension(s) signed by "Fortinet, Inc" that need to be updated by the developer.

Learn More...   OK

STEP 20

STEP 21

You are now connected to the Lamar University VPN