

# ZotDefend Compliance

ZotDefend Compliance Instructions for End-Users (School of Physical Sciences ONLY)

- [ZotDefend Apple Instructions](#)
- [ZotDefend Windows Instructions](#)
- [ZotDefend Linux Instructions](#)

# ZotDefend Apple Instructions

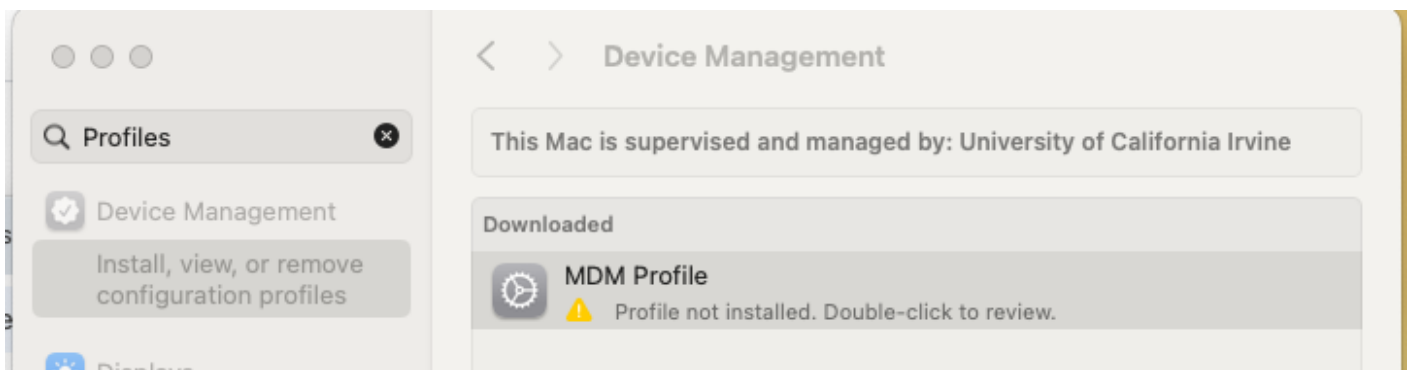
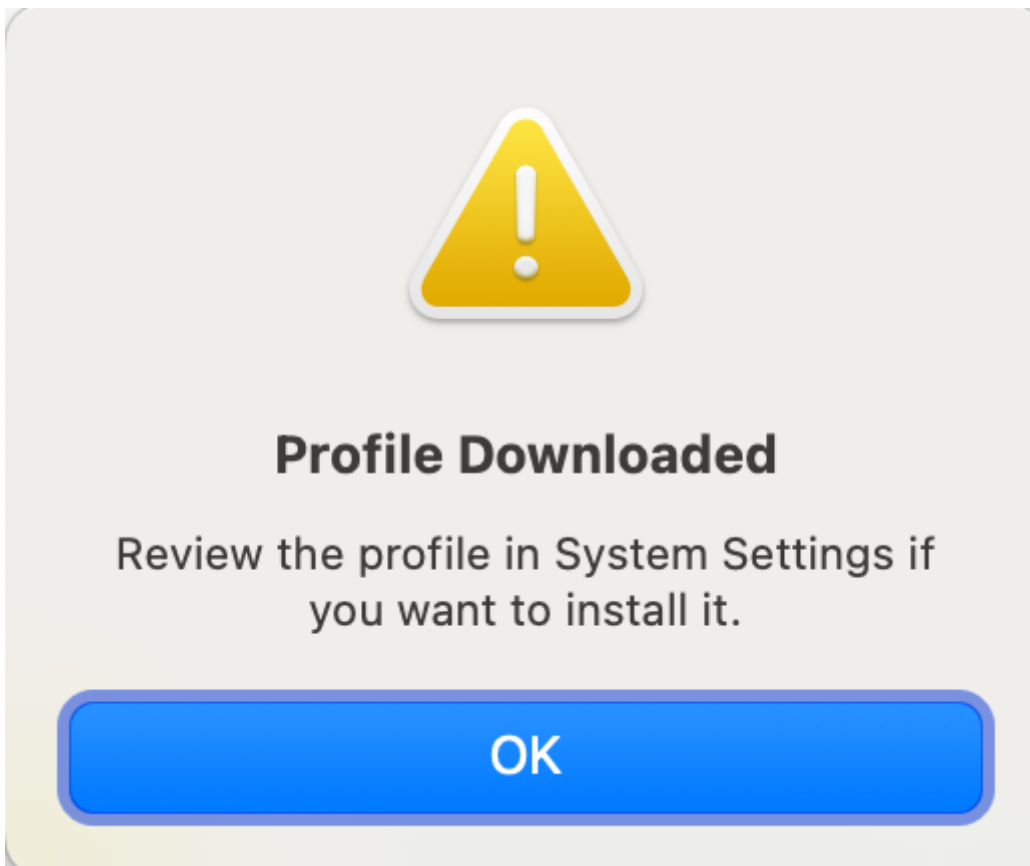
**This page contains instructions to install software to ensure an Apple computer is UCI ZotDefend compliant. School of Physical Sciences ONLY**

**1. Install Jamf Client** (Instructions below)

<https://tools.ps.uci.edu/downloads/download/enrollmentProfile.mobileconfig>

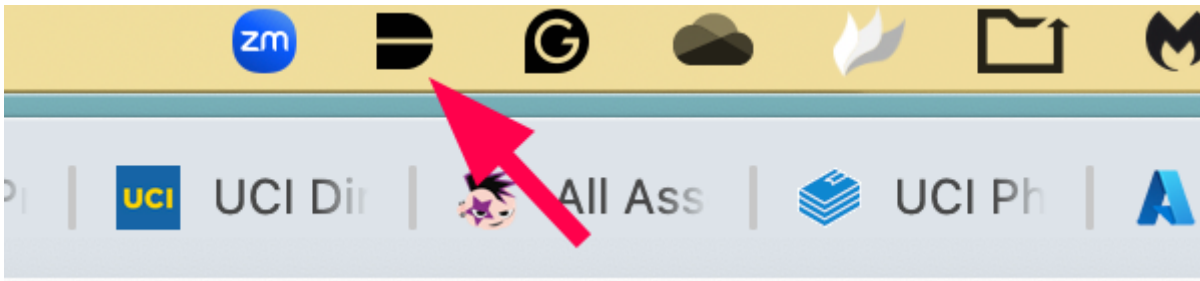
After you log in with your UCInetID and password, it will automatically download a file.

Then go to your Downloads, and click on "enrollmentProfile.mobileconfig"





2. **Double click on the profile and enroll the computer. Wait 5-10 minutes** for Jamf to install the required software. You will need to leave your computer on and connected to the internet for this step.


3. Check for the **Duo Desktop** icon in the notification area. Once you see it, click on it to open Duo Desktop.





4. Duo Desktop will check for compliance, and will show you green check-marks for each requirement. If you do not have encryption enabled yet, **reboot** and you should be prompted for a password to enable encryption.


 **Home**


 **Your System**





 macOS is up to date




 System password is set




 FileVault is enabled

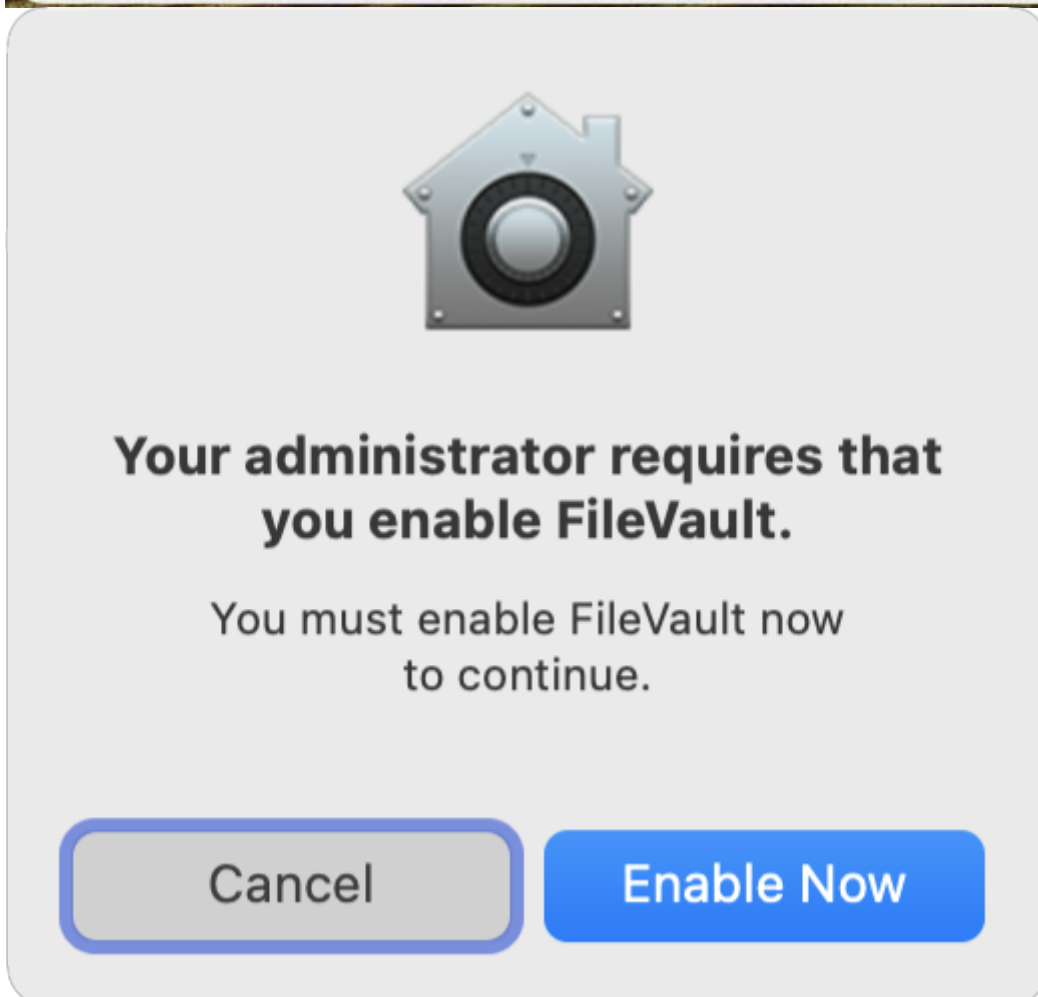
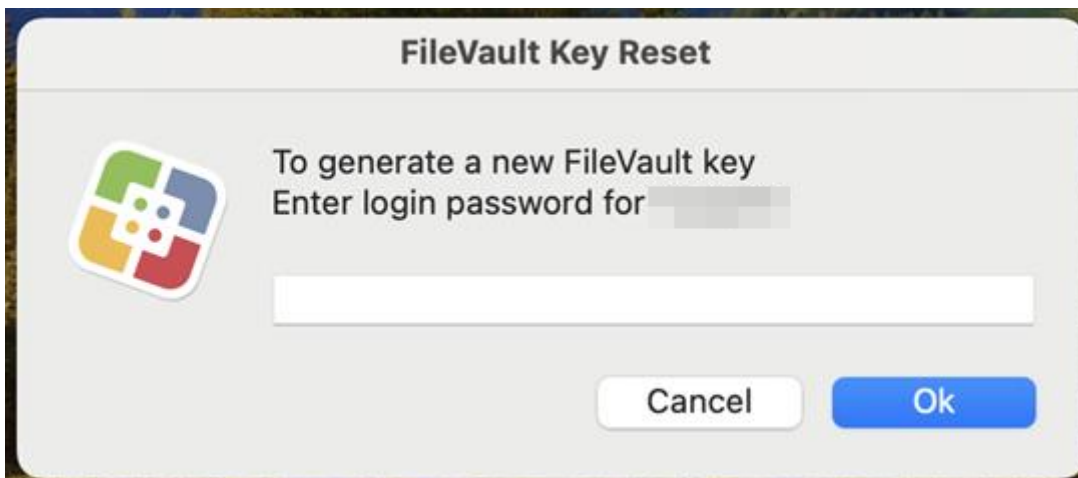


 Firewall is enabled

Login secured by



5. After a reboot if your device did not have all green checkmarks, you may see the following screens, please click "Enable Now" and enter your password if prompted. This will turn on encryption:

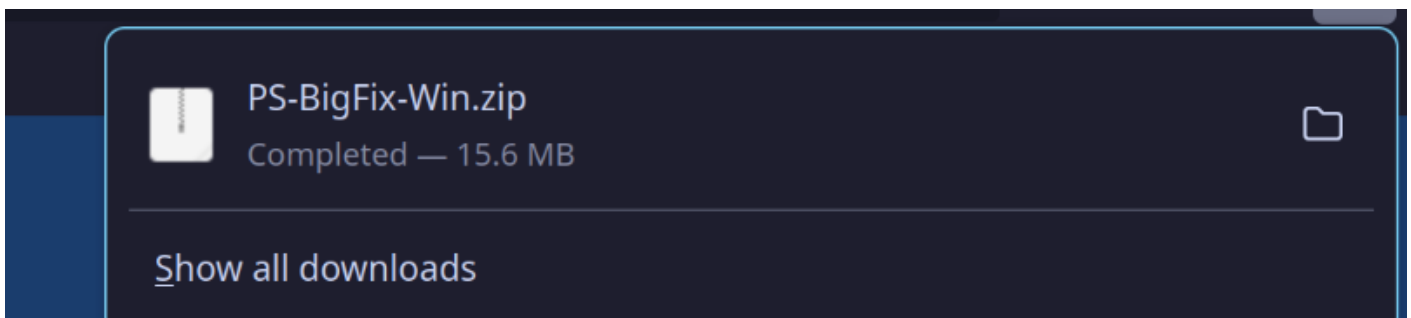


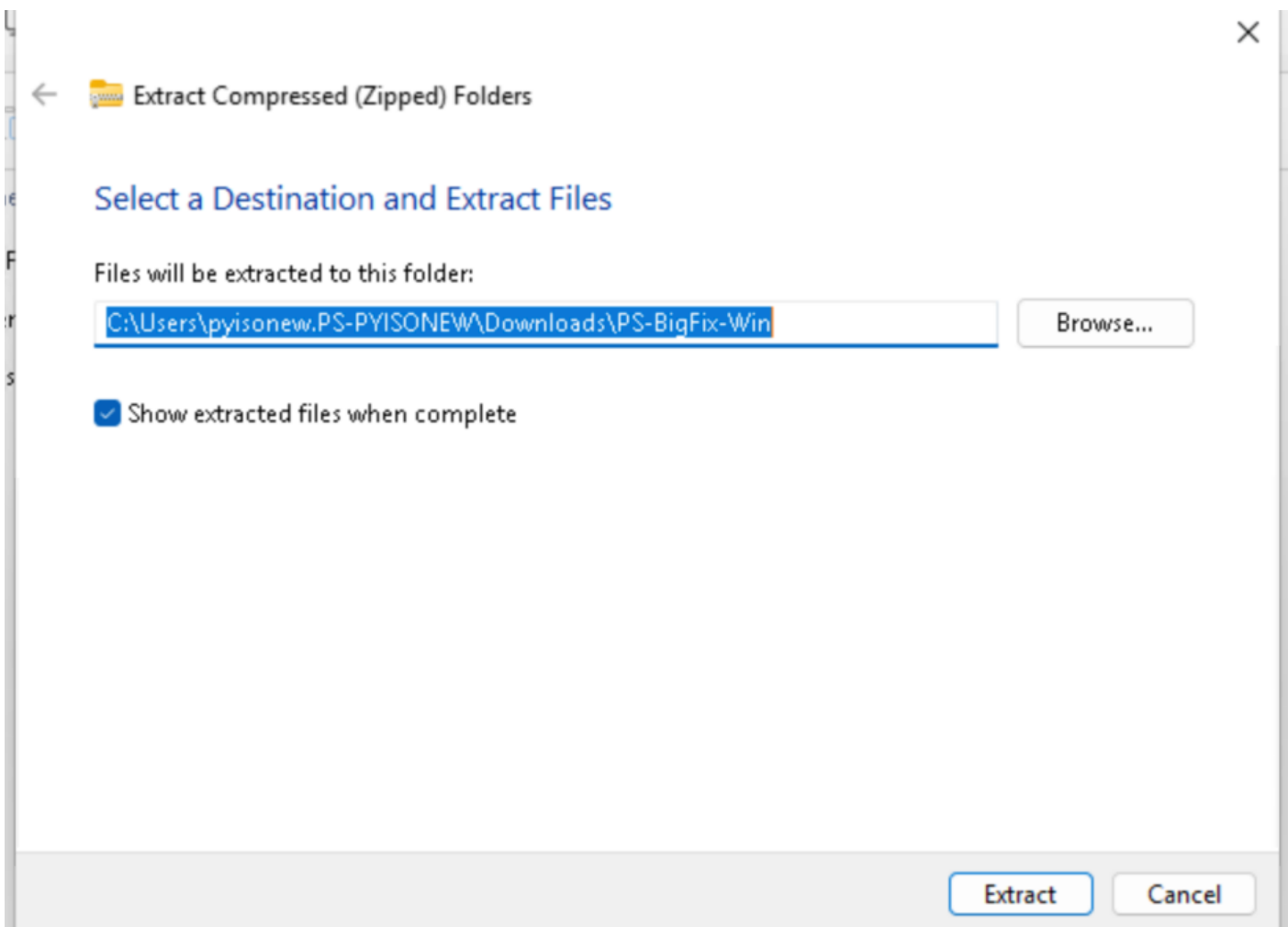
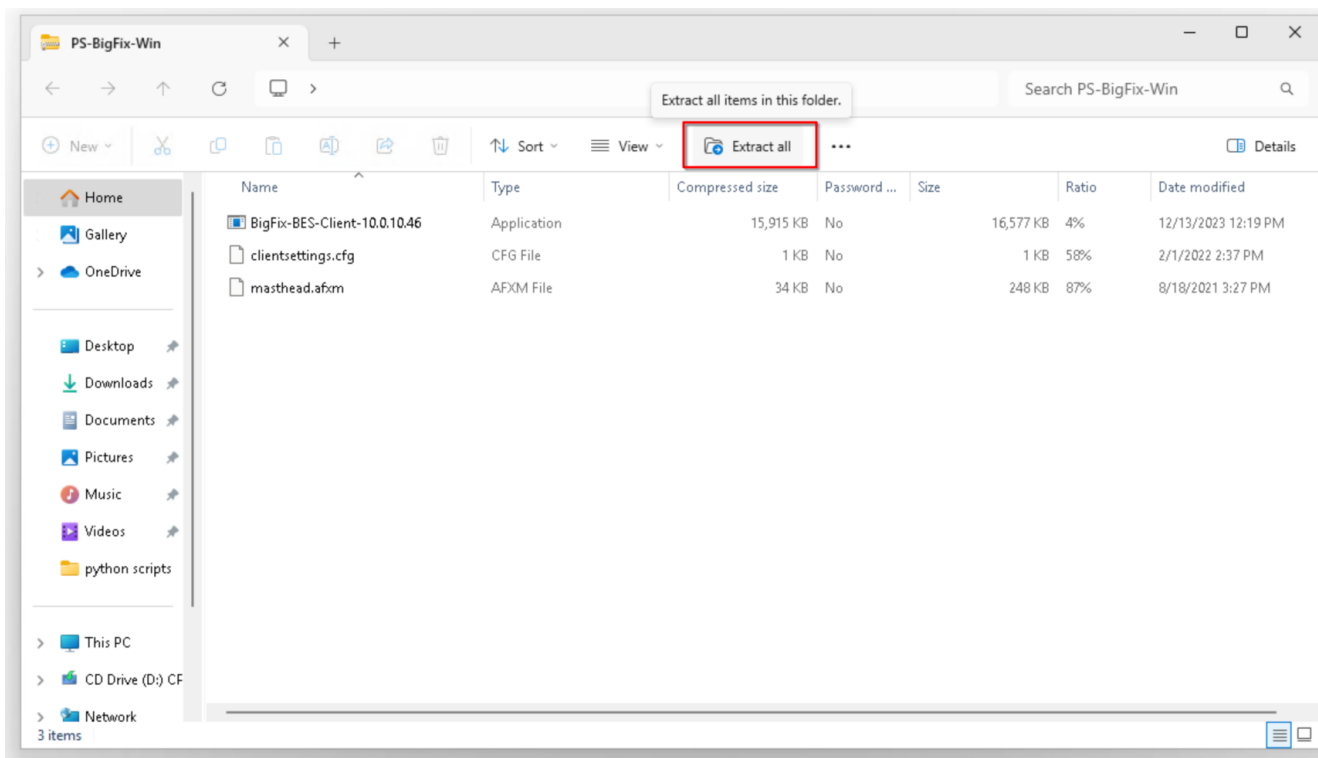
# ZotDefend Windows Instructions

**This page contains instructions to install software to ensure a Windows computer is UCI ZotDefend compliant. School of Physical Sciences ONLY**

**1. Install BigFix** (Instructions below)

<https://tools.ps.uci.edu/downloads/download/PS-BigFix-Win.zip>





PS-BigFix-Win

← → ↑ ↻ 🖨 > Downloads > PS-BigFix-Win

Search PS-BigFix-Win 🔍

➕ New ▾ ✂ 📄 📁 📄 📄 🗑

⬆ Sort ▾ ≡ View ▾ ⋮

📄 Details

Home

Gallery

> OneDrive

Desktop

Downloads

Documents

Pictures

Music

Videos

python scripts

This PC

CD Drive (D:) CF

Network

3 items | 1 item selected 16.1 MB

Name	Date modified	Type	Size
▼ Today			
📄 BigFix-BES-Client-10.0.10.46	4/8/2025 9:59 AM	Application	16,577 KB
📄 clientsettings.cfg	4/8/2025 9:59 AM	CFG File	1 KB
📄 masthead.afxm	4/8/2025 9:59 AM	AFXM File	248 KB



User Account Control



Do you want to allow this app to make changes to your device?



BigFix Client setup

Verified publisher: HCL America Inc.

File origin: Hard drive on this computer

[Show more details](#)

Yes

No

BigFix Client - InstallShield Wizard



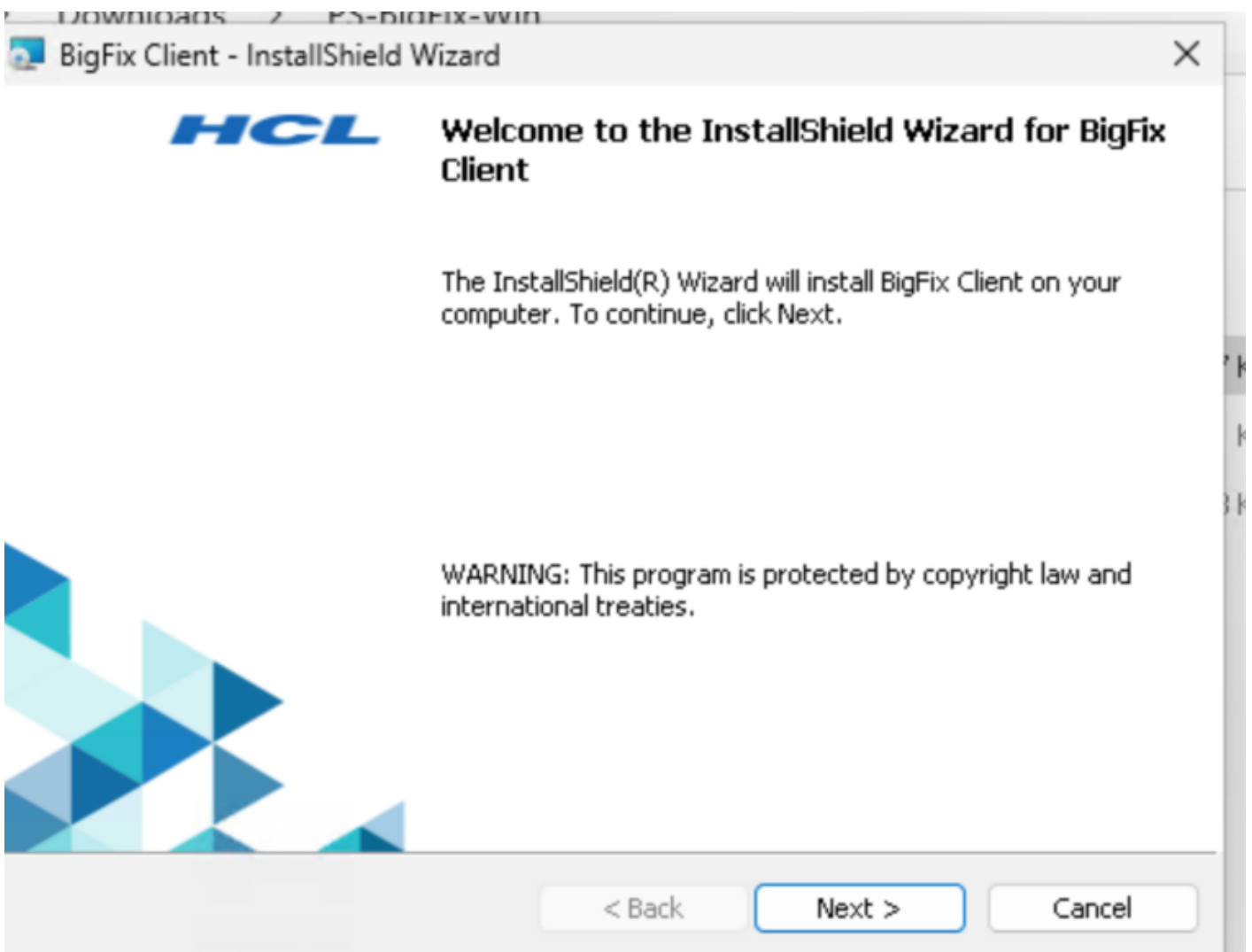
Select the language for the installation from the choices below.

English (United States)



OK

Cancel



**Destination Folder**

Click Next to install to this folder, or click Change to install to a different folder.



Install BigFix Client to:

C:\Program Files (x86)\BigFix Enterprise\BES Client\

Change...

InstallShield

< Back

Next >

Cancel



## Ready to Install the Program

The wizard is ready to begin installation.



Click Install to begin the installation.

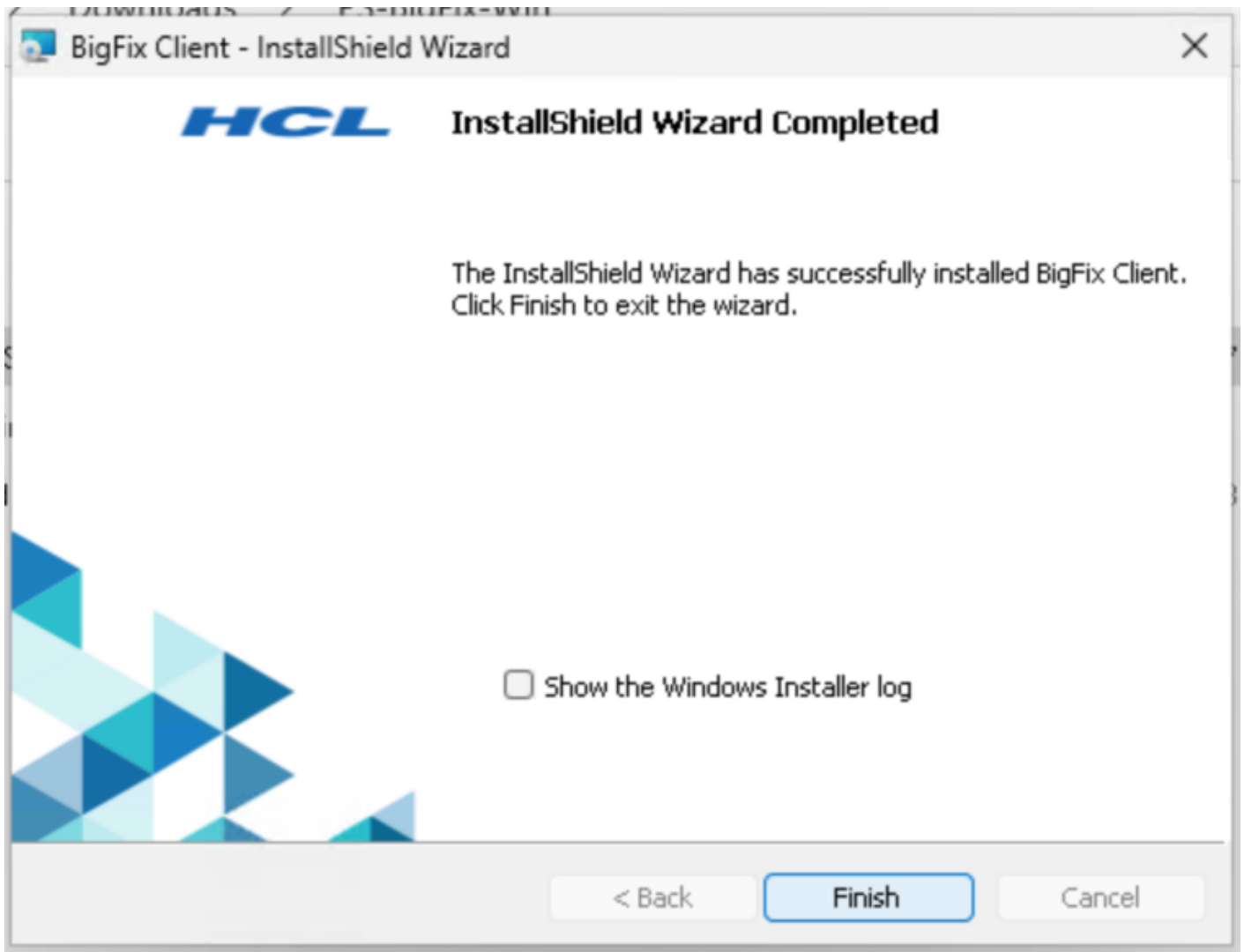
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.

InstallShield

< Back

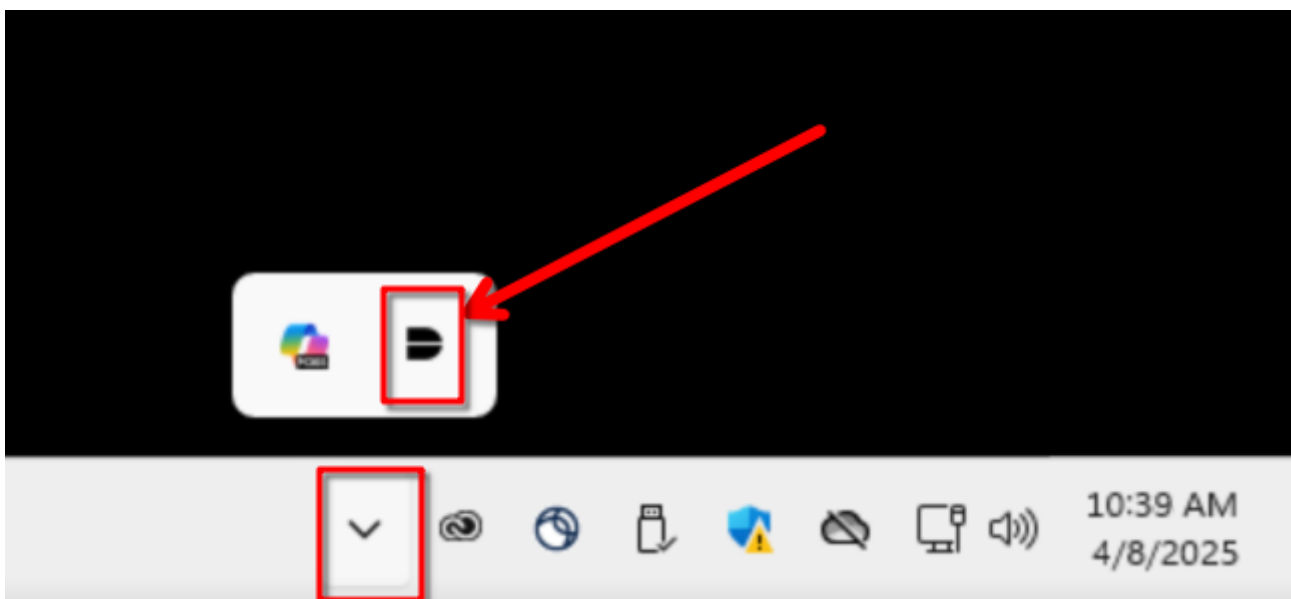
Install

Cancel

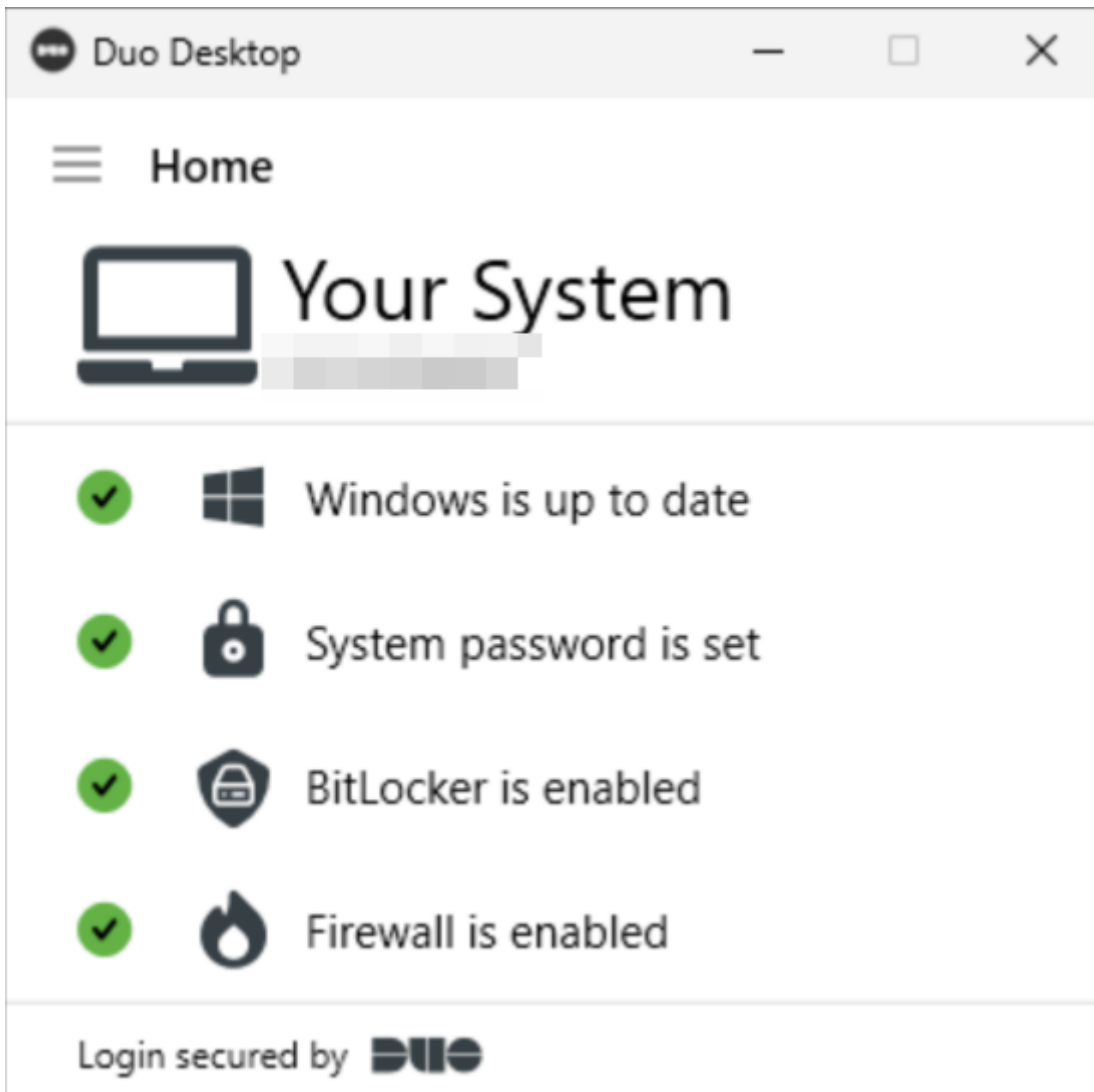


2. **Wait 5-10 minutes** for BigFix to install the required software. You will need to leave your computer on and connected to the internet for this step.

3. Check for the **Duo Desktop** icon in the task tray area. Once you see it, click on it to open Duo Desktop.



4. Duo Desktop will check for compliance, and will show you green check-marks for each requirement.



6. If you do not see a green check box for encryption, click on the message in Duo Desktop to go to Bitlocker Settings, and turn it on. Choose "Let BitLocker automatically unlock my drive"



← BitLocker Drive Encryption (C:)

## Choose how to unlock your drive at startup

To help keep your data more secure, you can have BitLocker prompt you to enter a PIN or insert a USB flash drive each time you start your PC.

→ Enter a PIN (recommended)

→ Insert a USB flash drive

→ Let BitLocker automatically unlock my drive

Cancel



← BitLocker Drive Encryption (C:)

## Choose how much of your drive to encrypt

If you're setting up BitLocker on a new drive or a new PC, you only need to encrypt the part of the drive that's currently being used. BitLocker encrypts new data automatically as you add it.

If you're enabling BitLocker on a PC or drive that's already in use, consider encrypting the entire drive. Encrypting the entire drive ensures that all data is protected—even data that you deleted but that might still contain retrievable info.

☐ Encrypt used disk space only (faster and best for new PCs and drives)

☒ Encrypt entire drive (slower but best for PCs and drives already in use)

Next

Cancel

**NOTE: If you need to manually encrypt with BitLocker, choose "Save to AD account":**



 BitLocker Drive Encryption (C:)

## How do you want to back up your recovery key?

A recovery key can be used to access your files and folders if you're having problems unlocking your PC. It's a good idea to have more than one and keep each in a safe place other than your PC.

→ Save to your Azure AD account

→ Save to a USB flash drive

→ Save to a file

→ Print the recovery key

[How can I find my recovery key later?](#)

Cancel

7. If any step is not green, click on it for instructions to remediate it, and if you are unable to remediate it on your own, please send an email to [pshelpdesk@uci.edu](mailto:pshelpdesk@uci.edu) to open a help ticket.



# ZotDefend Linux Instructions

## ZotDefend Linux Installation (School of Physical Sciences ONLY)

[Trellix HX Agent](#)

### **Trellix Installation Instructions**

The .tgz package (Linux) includes the following files:  
HX Client Software (tgz bundle)

1. Agent .rpm files.
2. Agent .deb files.
3. Agent .run file ( xagtSetup\_xx.x.x.run ).
4. Agent configuration file ( agent\_config.json ). It is critical that you import the configuration file following install to insure that the agent properly communicates with the server.

#### Supported Linux operations system versions:

	Linux OS	Version	File Type	Software Installation File
	Ubuntu	Ubuntu 12.04 and 14.04	.deb	xagt_34.x.x-1.ubuntu12_amd64.deb
		Ubuntu 16.04 and 18.04, 19.04, 20.04	.deb	xagt_34.x.x-1.ubuntu16_amd64.deb
	RHEL	RHEL 6.8, 6.9, and 6.10	.rpm	xagt-34.x.x-1.el6.x86_64.rpm
		RHEL 7.2, 7.3, 7.4, 7.5, 8+ 7.6, and 8 (64-bit)	.rpm	xagt-34.x.x-1.el7.x86_64.rpm
	CentOS	CentOS 6.8, 6.9, and 6.10	.rpm	xagt-34.x.x-1.el6.x86_64.rpm
		CentOS 7.2, 7.3, 7.4, 7.5, and 7.6, and 8 (64-bit)	.rpm	xagt-34.x.x-1.el7.x86_64.rpm
	Amazon	Amazon Linux AMI 2018.3, AM2	.rpm	xagt-34.x.x-1.el7.x86_64.rpm
	SUSE	SUSE 11.4	.rpm	xagt-34.x.x-1.sle11.x86_64.rpm
		SUSE 12.2, 12.3, and 15	.rpm	xagt-34.x.x-1.sle12.x86_64.rpm
	Oracle	Linux 6.10, 7.6		

#### Example: Installing on Ubuntu OS using .deb file

Open a Terminal session on the Linux endpoint that has the agent installation .tgz package.

```
username@localhost:~/Desktop/FireEyeInstallDirectory$
```

Use the ls command to verify that the IMAGE\_HX\_AGENT\_LINUX\_33.46.0.tgz file has been exists in the install directory.

Use the tar xzf command to unzip and extract the files from the Linux agent

Use the dpkg , medium-level package manager for Debian and the -i option to run the .deb script and install the agent software on your Linux endpoint. You must have sudo access.

```
username@localhost:~/Desktop/FireEye$ sudo dpkg -i xagt- .ubuntu12_amd64.deb33.46.0
```

After the .deb installation script is complete, use the i option to import the agent configuration file from the /opt/fireeye/bin/xagt binary path:

```
username@localhost:~/Desktop/FireEyeInstallDirectory$ sudo /opt/fireeye/bin/xagt -i agent_config.json
```

Start the agent services on your Linux endpoint using the following command:

```
username@localhost:~/Desktop/ FireEyeInstallDirectory$ sudo systemctl enable --now xagt
```

#### Nessus Tenable Agents

#### Nessus Tenable Agent Installation Instructions

1. Make sure outbound traffic from port 443 to <https://nessus.oit.uci.edu> is allowed through your firewall.
2. Install the Tenable agent with your package manager from the link above.
3. Contact [pscsg@uci.edu](mailto:pscsg@uci.edu) to get the tenable key.
4. Run **nessuscli agent link --host=nessus.oit.uci.edu --port=443 --key=KEY\_PROVIDED\_BY\_PSCSG**

## Duo Desktop Downloads:

- **Linux .deb Package (Debian Based eg Ubuntu)**

<https://desktop.pkg.duosecurity.com/duo-desktop-latest.amd64.deb>

- **Linux .rpm Package (RHEL based)** [https://desktop.pkg.duosecurity.com/duo-desktop-latest.x86\\_64.rpm](https://desktop.pkg.duosecurity.com/duo-desktop-latest.x86_64.rpm)

## Duo Desktop Agent Installation Instructions

1. Download the appropriate package for your distribution from the above link.
2. Install the package.
3. Enable the service. Eg on systemd distributions, run

```
sudo systemctl enable --now duo-desktop
```

4. Check to make sure the duo-desktop service is running. Eg. on systemd distributions, run

```
sudo systemctl status duo-desktop
```

5. If you get SELinux erros relating to .NET services, it's most likely Duo Desktop. Create an exception via:

```
ausearch -c '.NET TP Worker' --raw | audit2allow -M my-NETTPWorker  
semodule -X 300 -i my-NETTPWorker.pp
```