



How to Create a Signed QuickAdd Package

Items needed to complete this task:

- Apple Developer account. (<https://developer.apple.com>)
- Mac Computer

Section 1. Create a Certificate Signing Request (CSR)

A Certificate Signing Request or CSR is a specially formatted underdeveloped public key that is used for enrollment of an SSL Certificate. The information on this CSR is important for a Certificate Authority (CA). It is needed to validate the information required to issue a SSL Certificate.

The public key (CSR) is freely given away by the server system or administrator so that the respective party can perform encryption.

NOTE: A CSR can be created from any Mac Client or Server. It does not need to the Jamf Pro Server. A Mac client was used to create the CSR for this guide.

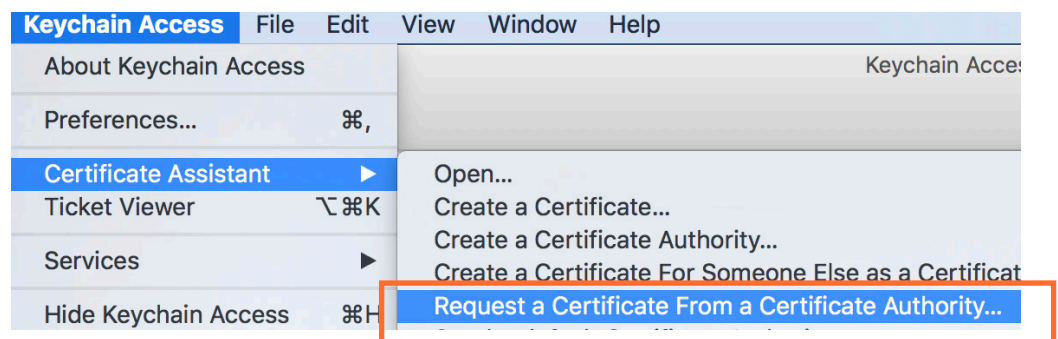
Step 1 Choose Go menu > Utilities.

Step 2 Open Keychain Access



Keychain Access

Step 3 From the Keychain Access menu choose Certificate Assistant > Request a Certificate from a Certificate Authority.

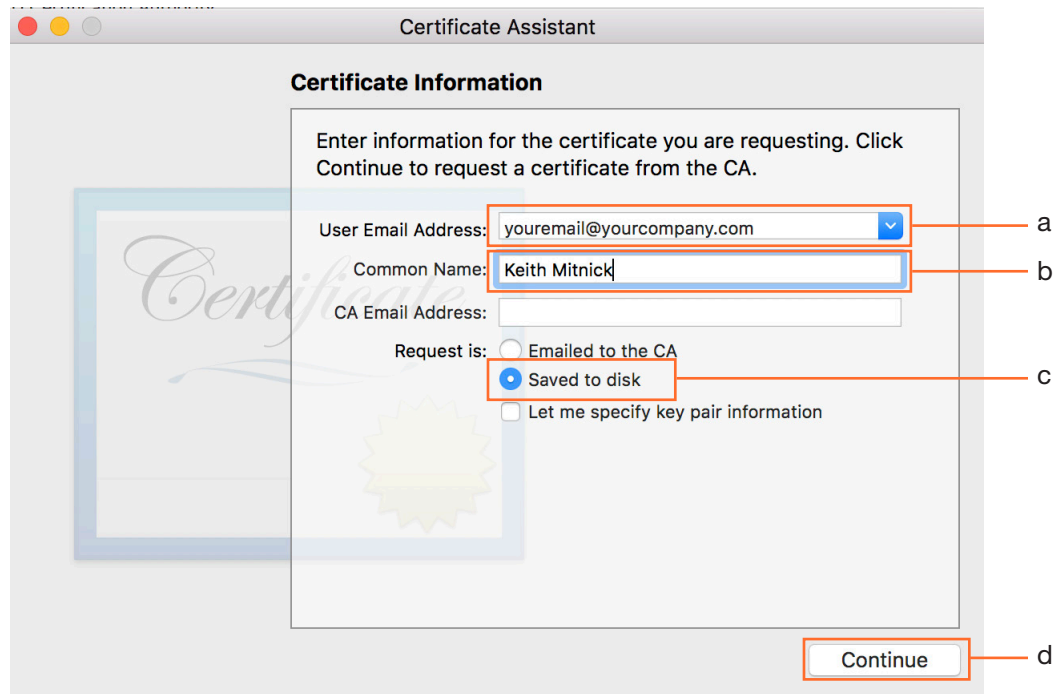




How to Create a Signed QuickAdd Package

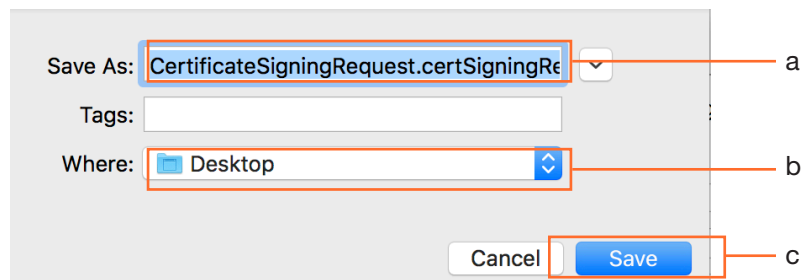
Step 4 Configure the following:

- User Email Address: Enter the email address associated with your institution
- Common Name: The best practice is the fully-qualified domain name, or URL, you're securing. for example "jss.domain.com." This can be anything you'd like. In this example, I'm using my name as the Common Name.
- Selecting the Saved to disk radio button
- Click the "Continue" button.

A screenshot of the 'Certificate Assistant' dialog box. The title bar says 'Certificate Assistant'. The main heading is 'Certificate Information'. Below it, a text box says 'Enter information for the certificate you are requesting. Click Continue to request a certificate from the CA.' There are three input fields: 'User Email Address:' with the value 'youremail@yourcompany.com', 'Common Name:' with the value 'Keith Mitnick', and 'CA Email Address:' which is empty. Below these is a 'Request is:' section with three radio buttons: 'Emailed to the CA' (unselected), 'Saved to disk' (selected), and 'Let me specify key pair information' (unselected). At the bottom right is a 'Continue' button. Red boxes and lines with letters 'a' through 'd' point to the email field, the common name field, the 'Saved to disk' radio button, and the 'Continue' button respectively.

Step 5 Configure the following:

- Save As: Leave the default name,
- Where: Save to the Desktop
- Click the Save button.

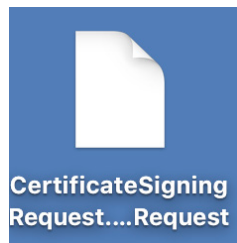
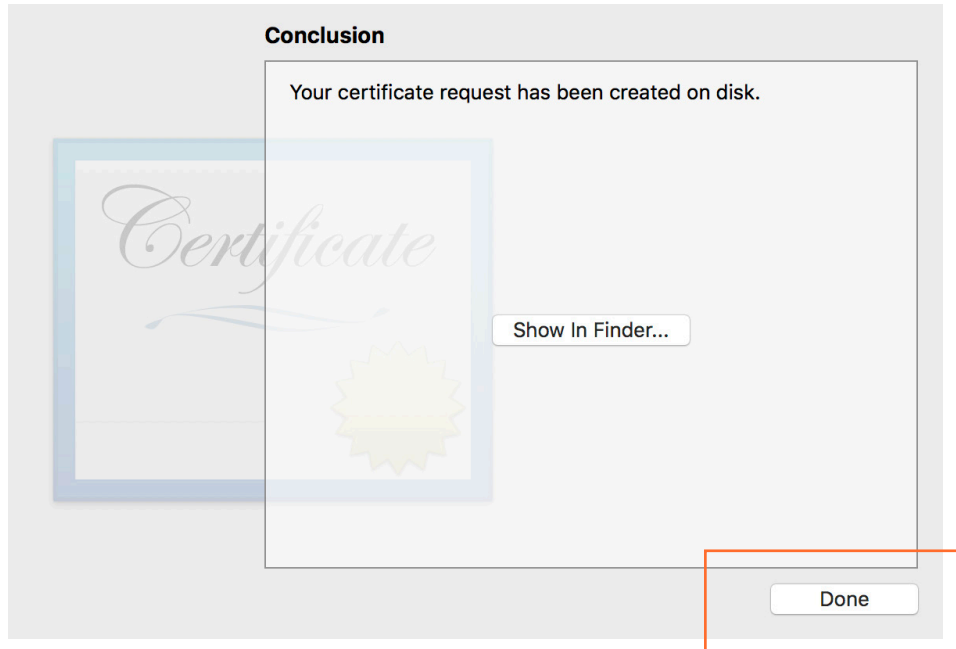
A screenshot of a 'Save' dialog box. It has a 'Save As:' field with the text 'CertificateSigningRequest.certSigningRe' and a dropdown arrow. Below it is a 'Tags:' field which is empty. Then there is a 'Where:' field with a folder icon and the text 'Desktop'. At the bottom are 'Cancel' and 'Save' buttons. Red boxes and lines with letters 'a' through 'c' point to the 'Save As:' field, the 'Where:' field, and the 'Save' button respectively.



How to Create a Signed QuickAdd Package

Step 6 Click the Done”button. You will see the CSR on your Desktop.

NOTE: Leave “Keychain Access” open, we will need to use it later.

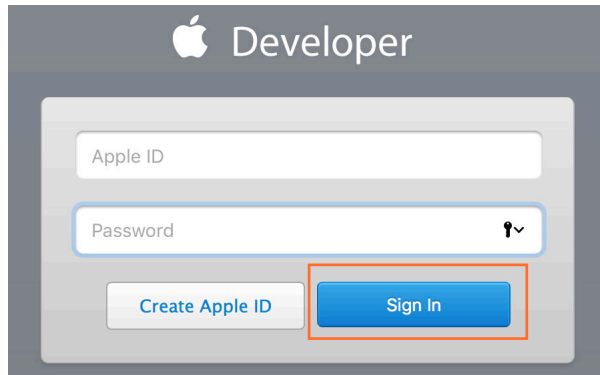




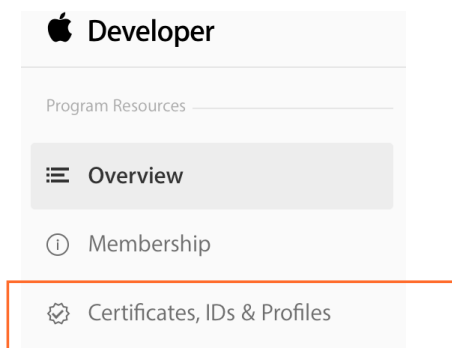
How to Create a Signed QuickAdd Package

Section 2. Create a Developer Certificate

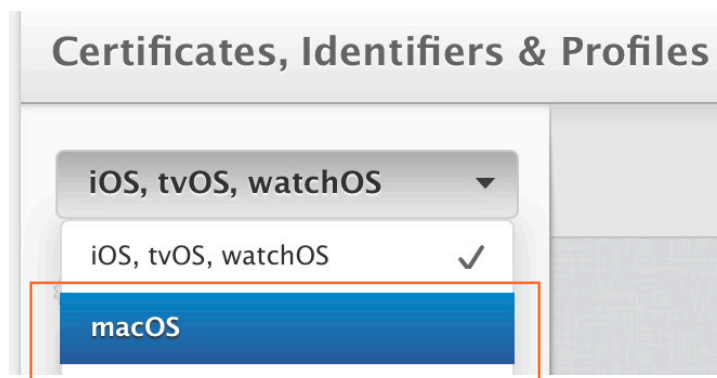
Step 1 Go to the following URL: <https://developer.apple.com>. Enter your developer AppleID and password. Click the Sign In button.



Step 2 Select Certificates, IDs & Profiles from the left navigation bar.



Step 3 From the iOS, tvOS, watchOS pull-down menu, choose macOS.





How to Create a Signed QuickAdd Package

Step 4 Go to Production, select the Developer ID radio button.

Step 5 Click Continue.



What type of certificate do you need?

Production

- ☐ **Mac App Store**
Sign your Mac app and Mac Installer Package for submission to the Mac App Store.
- ☐ **Apple Push Notification Service Key (Sandbox & Production)**
Generate an authentication key that can be used to sign your push notification requests.
- ☐ **Apple Push Notification service SSL (Production)**
Establish connectivity between your notification server and the Apple Push Notification service production environment. A separate certificate is required for each app you distribute.
- ☐ **Website Push ID Certificate**
Sign and send updates for Websites.
- ☒ **Developer ID**
Sign versions of your Mac application, Mac kernel extension and Mac Installer Package for distribution outside of the Mac App Store.

4

Intermediate Certificates

To use your certificates, you must have the intermediate signing certificate in your system keychain. This is automatically installed by Xcode. However, if you need to reinstall the intermediate signing certificate click the link below:

- [Worldwide Developer Relations Certificate Authority](#)
- [Developer ID Certificate Authority](#)

Cancel

Continue

5

Step 6 Select the Developer ID Installer radio button.

Step 7 Click Continue.



Select the certificates you want to generate.



Important: Xcode is the preferred method for requesting and automatically installing these certificates on a Mac. [Learn how](#)

- ☐ **Developer ID Application**
This certificate is used to code sign your app for distribution outside of the Mac App Store.

- ☒ **Developer ID Installer**
This certificate is used to sign your app's Installer Package for distribution outside of the Mac App Store.

6

Cancel

Back

Continue

7



How to Create a Signed QuickAdd Package

Step 8 Click Continue.



About Creating a Certificate Signing Request (CSR)

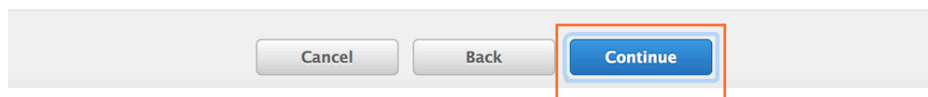
To manually generate a Certificate, you need a Certificate Signing Request (CSR) file from your Mac. To create a CSR file, follow the instructions below to create one using Keychain Access.

Create a CSR file.

In the Applications folder on your Mac, open the Utilities folder and launch Keychain Access.

Within the Keychain Access drop down menu, select Keychain Access > Certificate Assistant > Request a Certificate from a Certificate Authority.

- In the Certificate Information window, enter the following information:
 - In the User Email Address field, enter your email address.
 - In the Common Name field, create a name for your private key (e.g., John Doe Dev Key).
 - The CA Email Address field should be left empty.
 - In the "Request is" group, select the "Saved to disk" option.
- Click Continue within Keychain Access to complete the CSR generating process.



Step 9 Click the Choose File button.

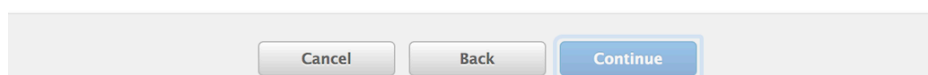


Generate your certificate.

When your CSR file is created, a public and private key pair is automatically generated. Your private key is stored on your computer. On a Mac, it is stored in the login Keychain by default and can be viewed in the Keychain Access app under the "Keys" category. Your requested certificate is the public half of your key pair.

Upload CSR file.

Select .certSigningRequest file saved on your Mac.





How to Create a Signed QuickAdd Package

Step 10 Choose the Certificate Signing Request from the Desktop.



CertificateSigning
Request...equest2

Step 11 Click Continue.



Generate your certificate.

When your CSR file is created, a public and private key pair is automatically generated. Your private key is stored on your computer. On a Mac, it is stored in the login Keychain by default and can be viewed in the Keychain Access app under the "Keys" category. Your requested certificate is the public half of your key pair.

Upload CSR file.

Select .certSigningRequest file saved on your Mac.

Choose File...

CertificateSigningRequest.certSigningRequest2.certSigningReques1

Cancel

Back

Continue



How to Create a Signed QuickAdd Package

Step 12 Click the Download button.

Note: Confirm the certificate was downloaded in the Downloads folder.

Step 13 Click the Done button.

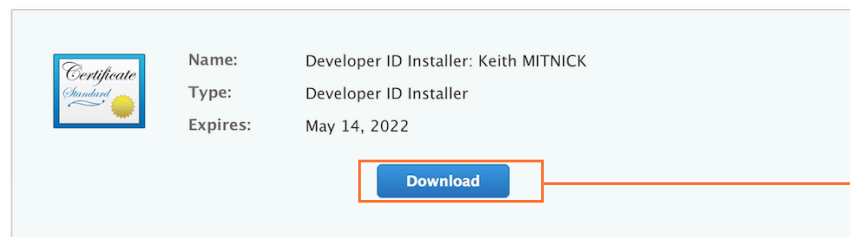
Step 14 Sign out of the Apple Developer portal.



Your certificate is ready.

Download, Install and Backup

Download your certificate to your Mac, then double click the .cer file to install in Keychain Access. Make sure to save a backup copy of your private and public keys somewhere secure.



12

Documentation

For more information on using and managing your certificates read:

[App Distribution Guide](#)



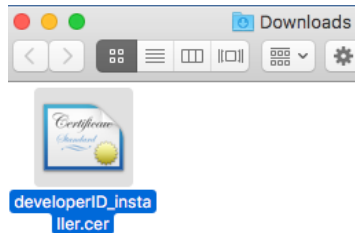
13



How to Create a Signed QuickAdd Package

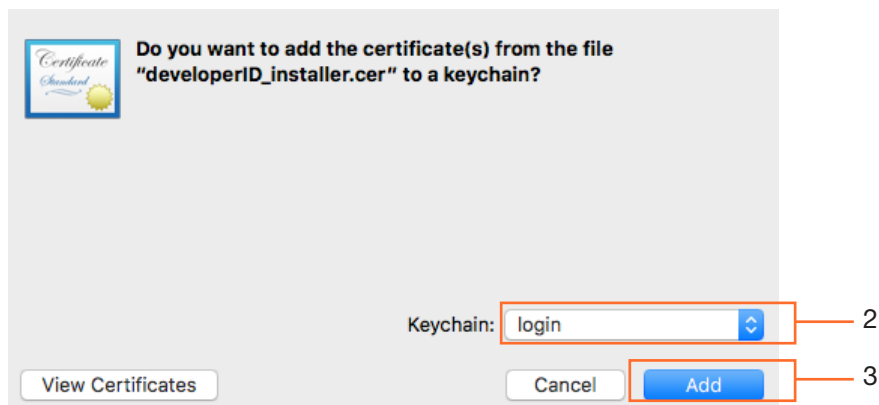
Section 3. Add your Developer Certificate to Keychain Access

Step 1 On the Mac that you downloaded your Developer Certificate to, Navigate to the Downloads folder then double click your Developer Certificate.



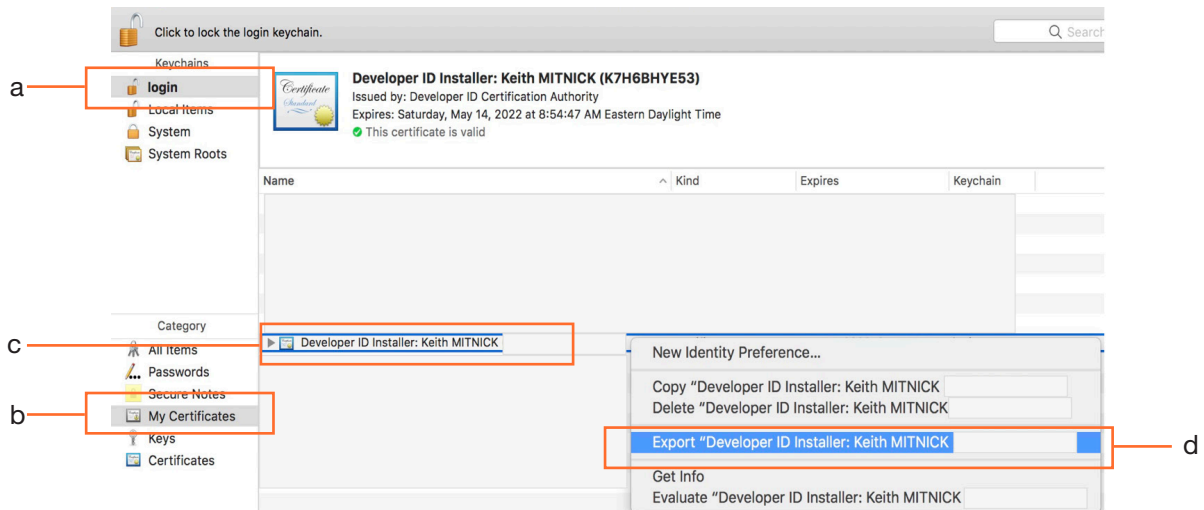
Step 2 From the Keychain pull-down menu select login.

Step 3 Click the Add button.



Step 4 Do the following:

- Select login keychain from the sidebar.
- Select My Certificates from the sidebar.
- Select your Developer Certificate and right click on it.
- Control-click and Select Export Developer ID Installer.





How to Create a Signed QuickAdd Package

Step 5 Do the following:

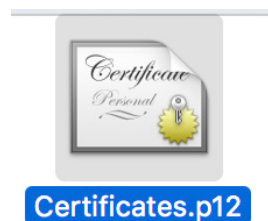
- Leave the default name.
- Save it to the Desktop.
- Make sure Personal Information Exchange (.p12) is selected from the dropdown menu.
- Click the Save button.

A screenshot of a 'Save As' dialog box. It has a 'Save As:' field with 'Certificates' selected, a 'Tags:' field, a 'Where:' field with 'Desktop' selected, and a 'File Format:' dropdown menu with 'Personal Information Exchange (.p12)' selected. At the bottom are 'Cancel' and 'Save' buttons. Red boxes and lines with letters 'a' through 'd' point to these elements: 'a' points to the 'Save As:' field, 'b' points to the 'Where:' field, 'c' points to the 'File Format:' dropdown, and 'd' points to the 'Save' button.

Step 6 Enter a password. You will need this password later we we import this certificate into the Jamf Pro server so make sure you remember it. Click OK.

A screenshot of a dialog box titled 'Enter a password which will be used to protect the exported items:'. It features a padlock icon, a 'Password:' field, a 'Verify:' field, and a 'Show password' checkbox. Below the fields is a 'Password Strength' indicator showing 'Weak'. At the bottom are 'Cancel' and 'OK' buttons. A red box highlights the 'OK' button.

Step 7 The Certificates.p12 file will be on the Desktop.

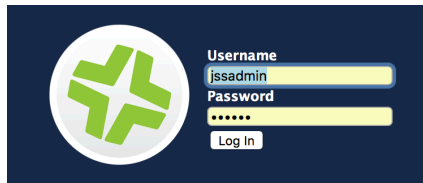




How to Create a Signed QuickAdd Package

Section 4. Add your Certificate to the Jamf Pro Server.

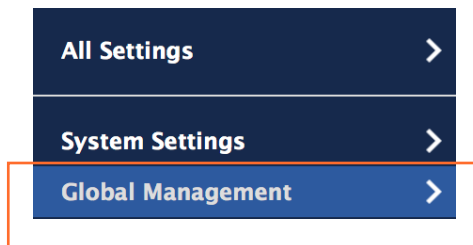
Step 1 Log into your Jamf Pro server.



Step 2 Click on the Settings Gear in the upper right hand corner.



Step 3 Select Global Management from the left navigation bar.



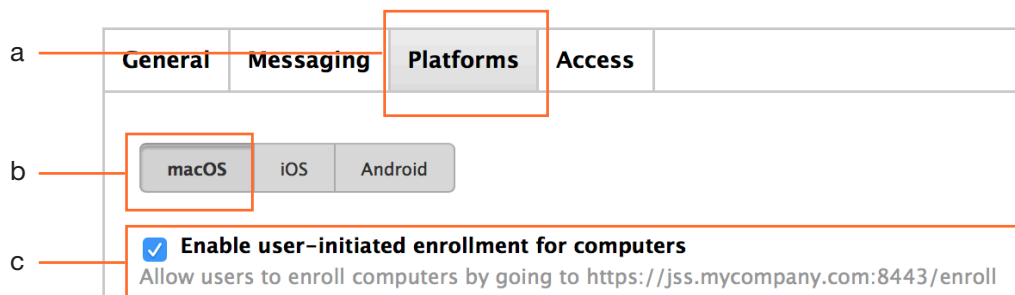
Step 4 Select User-Initiated Enrollment.



Step 5 Configure the following:

- Select the Platforms tab.
- Select the macOS tab.
- Make sure Enable user-initiated enrollment for computers is checked.

User-Initiated Enrollment





How to Create a Signed QuickAdd Package

Step 6 Scroll down to the bottom and select Sign QuickAdd Package. Select the Upload Certificate button.

☒ **Sign QuickAdd Package**
Ensure that the QuickAdd package is signed and appears as verified to users

Certificate
Encrypted P12 File Upload Certificate

Step 7 Click the Choose File button. Navigate to the Desktop

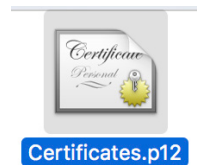
Certificate

Choose File no file selected

Certificate_Password
[Required] Upload

Verify Password
[Required] Cancel

Step 8 Navigate to the Desktop and select the Certificates.p12 file.



Step 9 Enter the password for the Certificates.p12 file. Click the Upload button.

Certificate

Choose File Certificates.p12

Upload Cancel

Certificate_Password
•

Verify Password
•

Step 10 Click Save.

Step 11 Click Done. Log out of the Jamf Pro server.



How to Create a Signed QuickAdd Package

Section 5. Testing the User-Initiated Enrollment Signed QuickAdd Package.

NOTE: The QuickAdd package that will be downloaded is single use. It cannot be distributed to additional Macs. Section six of this guide will cover multiple use QuickAdd Packages.

Step 1 From a client Mac, go to <https://yourjss.yourcompany.com/enroll>. Log in with an account that has enrollment rights.

A screenshot of a web form titled 'Log in to enroll your device.' It contains two input fields: the first is labeled 'jssadmin' and the second is masked with six dots. Below the fields is a blue button labeled 'Log in'.

Step 2 You can assign the Mac to a user or not. Click the Enroll button.

A screenshot of a web form titled 'Assign to user'. It features a text input field followed by a magnifying glass icon. Below the input field is a blue button labeled 'Enroll'.

Step 3 Click the Download button.

A screenshot of a web form titled 'Download and install this package.' It contains a single blue button labeled 'Download'.

Step 4 Navigate to the Downloads folder, and double click the QuickAdd.pkg file.

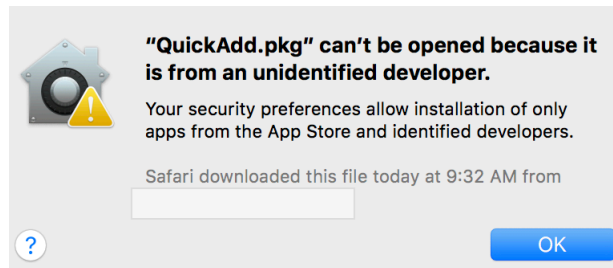


QuickAdd.pkg
1.9 MB

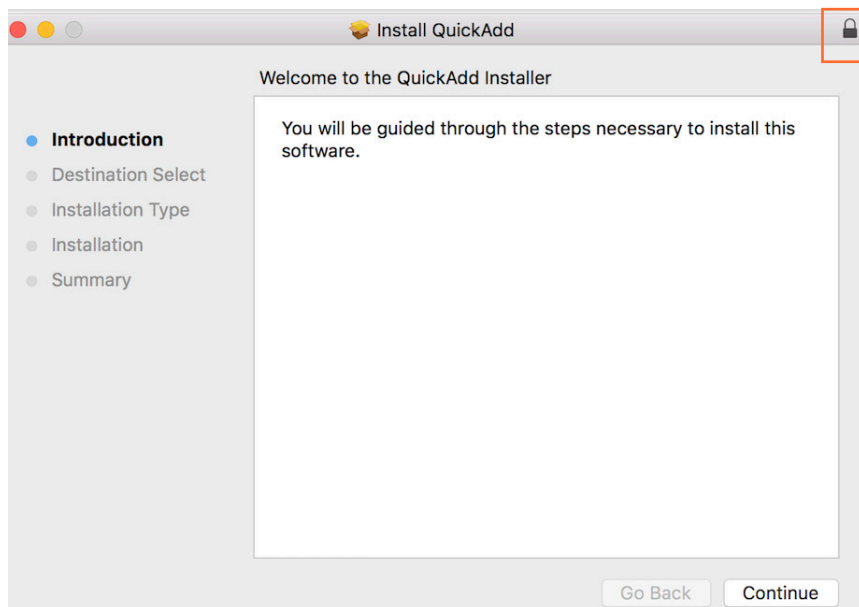


How to Create a Signed QuickAdd Package

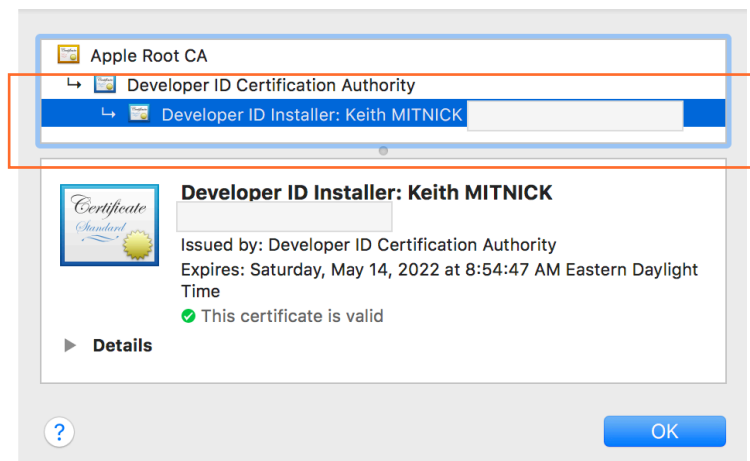
Step 5 If you did everything right, you will NOT get the message below



Step 6 Instead, you will be greeted with the installer screen. Notice the Lock icon in the upper right corner. Click on the Lock.



Step 7 You will see your Developer Certificate information proving the package is signed.





How to Create a Signed QuickAdd Package

Section 6. Creating a signed QuickAdd Package with Recon.

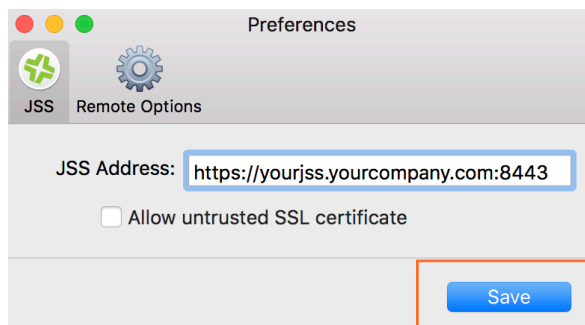
NOTE: QuickAdd packages created with Recon can be used on multiple computers

Step 1 On a Mac that has your Developer Certificate installed, Open the Recon application located in /Applications/Casper Suite/Recon.

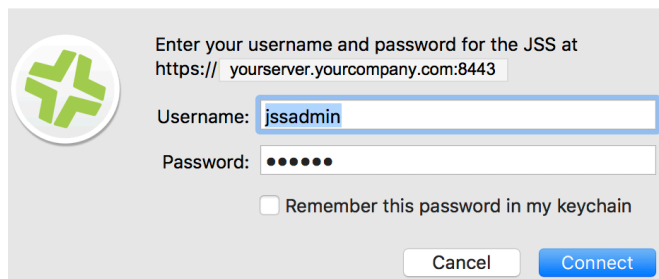


Recon

Step 2 Enter your Jamf Pro server URL. In this example, we are using an on premise Jamf Pro server so we are adding :8443 to the end of URL. If your server is a Jamf Pro hosted server, leave off the :8443 at the end of your URL. Click the Save button.



Step 3 Enter your Jamf Pro Administrator Credentials, then click the Connect button.

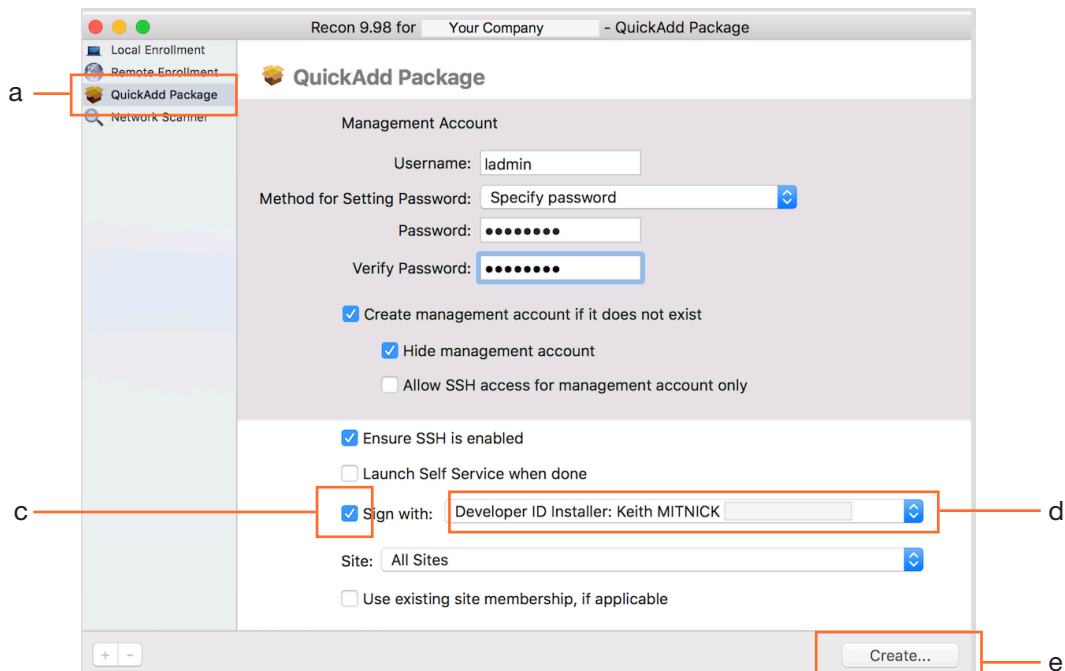




How to Create a Signed QuickAdd Package

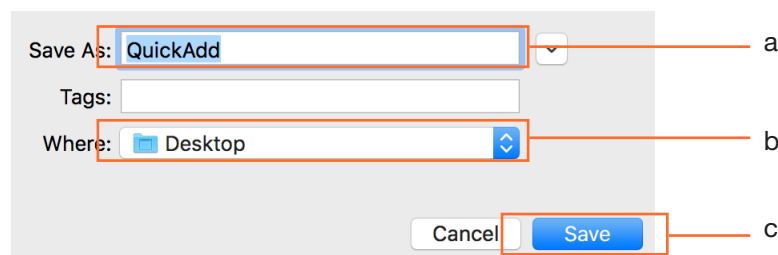
Step 4 Configure the following:

- In the left navigation bar, select QuickAdd Package.
- Configure the Management Account to suit your needs.
- Make sure Sign with is checked.
- Select your Developer Certificate from the dropdown menu.
- Click the Create button.

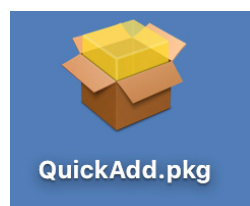


Step 5 Configure the following:

- Save As: Use default package name of QuickAdd.
- Where: Desktop
- Click the Save button.



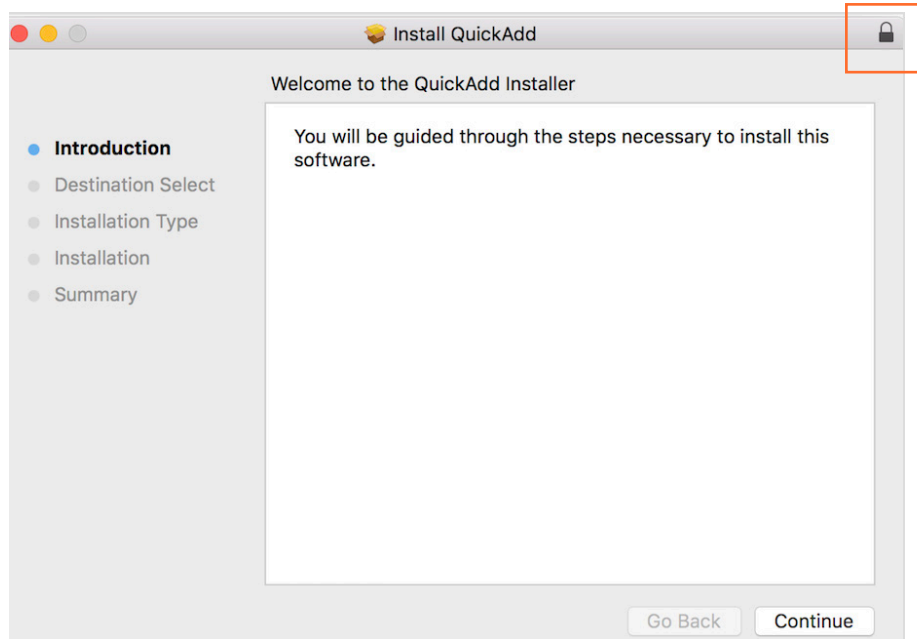
Step 6 On the Desktop, double click the QuickAdd.pkg.





How to Create a Signed QuickAdd Package

Step 7 You will be greeted with the installer screen. Notice the Lock icon in the upper right corner. Click on the Lock.



Step 8 You will see your Developer Certificate information proving the package is signed. This completes the how to guide.

