

Class Assigner by Jamf

Admin Guide

Version 1.0.4

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Introduction

When deploying iPad devices at any scale, knowing the end user of the device is an important attribute for scoping content and settings. This has typically been accomplished either by manually assigning after enrollment, or through an authenticated enrollment workflow where the end user is prompted for their username and password. Both methods have their drawbacks; stale data and manual manipulation with the former, and complicated usernames and passwords with the later. Further, the authenticated enrollment flow is great for ensuring security and ease of device assignment, however, it is often difficult for younger users, causing more room for error and lost instructional time.

This new workflow improves the overall deployment experience so that a device simply needs to be enrolled into Jamf School or Jamf Pro and dropped off at a classroom or other location. The classroom teacher is then empowered to quickly pull up their live class roster to seamlessly generate a QR code which the student can scan to instantly assign themselves as the device owner. This simple workflow can easily be built upon to leverage the power of Smart Groups to scope content and settings that are specific to that end user, minimizing IT's time commitment and ensuring instructional time is preserved.

App Store unlisted URL: <https://apps.apple.com/us/app/class-assigner-by-jamf/id6714450234>

Terms of Use

Support

Class Assigner by Jamf mobile app is free-to-use for Jamf customers but is not a part of the Jamf Product line. It is not supported via typical Jamf Support channels and has not been tested or validated by Jamf's internal compliance, quality, or product security processes.

We welcome your feedback. Comments may be sent to class-assigner-feedback -at- jamf.com.

Jamf Concept Projects Use Agreement

Available at <https://jamf.it/terms>

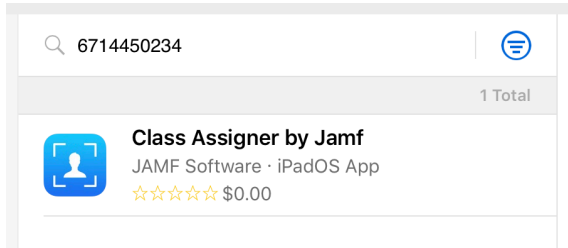
Appendix A: Jamf School Configuration

Requirements

Jamf School

Apple School Manager (ASM) integration

Search for 6714450234 in ASM > Apps and Books



Jamf School enrolled and network connected devices

Limitations

The device needs to be in the same Jamf School Location as the end user to be assigned.

Create API Key

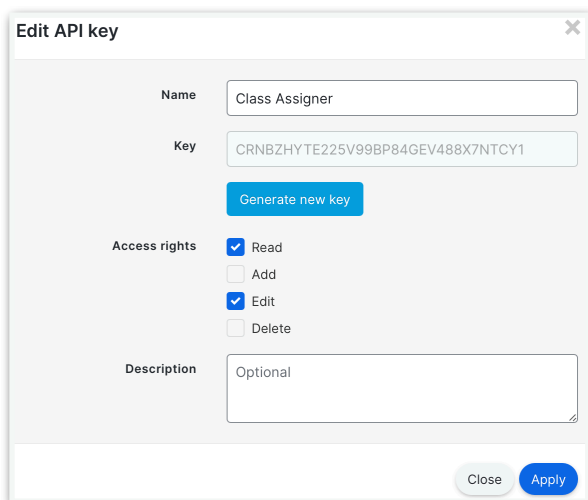
In Organization: Settings: API

Click **+ Add API Key** button

Set name to “Class Assigner”

Select the following privileges:

Read and Edit



Click **Apply**

App Record Configuration

1. Within the Class Assigner app record, check the “Apply Managed Configuration” box
2. Enter a name of “Teacher Mode”
3. Replace the following keys in the template below and copy/paste into the Managed Configuration box

App Config Key	Value
apikey	API Key created in previous step
InstanceName	Instance name, found in the first part of URL (https://instancename.jamfcloud.com)

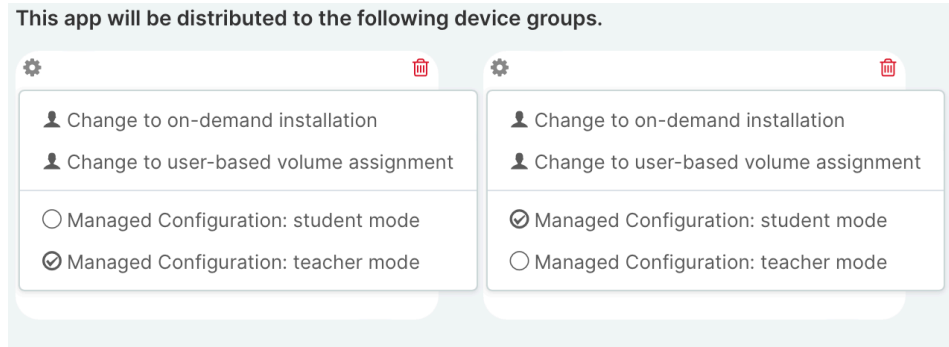
```
<plist version = "1.0">
  <dict>
    <key>mdm</key>
    <string>Jamf School</string>
    <key>mode</key>
    <string>teacher</string>
    <key>CompanyName</key>
    <string>%CompanyName%</string>
    <key>NetworkId</key>
    <string>%NetworkId%</string>
    <key>apikey</key>
    <string>INSERT_API_KEY_HERE</string>
    <key>UserId</key>
    <string>%UserId%</string>
    <key>udid</key>
    <string>%udid%</string>
    <key>Username</key>
    <string>%Username%</string>
    <key>FullName</key>
    <string>%FullName%</string>
    <key>InstanceName</key>
    <string>INSERT_INSTANCE_NAME_HERE</string>
    <key>self-assign-enabled</key>
    <string>OFF</string>
  </dict>
</plist>
```

4. Click “Add New”
5. Enter a name of “Student Mode”
6. Replace the following keys in the template below and copy/paste into the Managed Configuration box

App Config Key	Value
apikey	API Key created in previous step
InstanceName	Instance name, found in the first part of URL (https://instancename.jamfcloud.com)

```
<plist version = "1.0">
  <dict>
    <key>mdm</key>
      <string>Jamf School</string>
    <key>mode</key>
      <string>student</string>
    <key>CompanyName</key>
      <string>%CompanyName%</string>
    <key>NetworkId</key>
      <string>%NetworkId%</string>
    <key>apikey</key>
      <string>INSERT_KEY_HERE</string>
    <key>UserId</key>
      <string>%UserId%</string>
    <key>udid</key>
      <string>%udid%</string>
    <key>Username</key>
      <string>%Username%</string>
    <key>FullName</key>
      <string>%FullName%</string>
    <key>InstanceName</key>
      <string>INSERT_INSTANCE_NAME_HERE</string>
    <key>self-assign-enabled</key>
      <string>OFF</string>
  </dict>
</plist>
```

7. Add device groups to distribute Class Assigner app. This could be a group that has all teacher devices and another group that has all student devices, or custom groups specific to your environment.
8. Click the gear icon to assign the appropriate Managed Configuration for the respective groups



9. Click Save

Now ready to use!

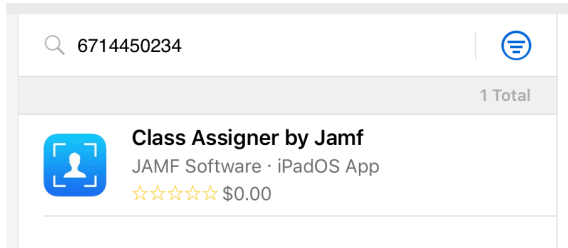
Appendix B: Jamf Pro Configuration

Requirements

Jamf Pro 11.9.1 or later

Apple School Manager (ASM) integration

Search for 6714450234 in ASM > Apps and Books



Jamf Pro enrolled and network connected devices

Create API Users

1. In Settings > System > User Accounts and Groups, add new user and name “CAteacher” with the following custom privilege set:

Jamf Pro Server Objects: Classes (Read)
Jamf Pro Server Objects: Users (Read)

2. In Settings > System > User Accounts and Groups, add another new user and name “CAstudent” with the following custom privilege set:

Jamf Pro Server Objects: Mobile Devices (Update)
Jamf Pro Server Actions: Assign Users to Mobile Devices

App Record Configuration

1. Distribute Class Assigner app to Jamf Pro using Volume Purchasing workflow.

2. [Teacher Mode] Add Class Assigner to the Jamf Pro app catalog if it was not created automatically and complete the following then save:

- General - Change Display Name to “Class Assigner (teacher)”
- Scope - Add scoping to include teacher devices
- Managed Distribution - Check Assign Content Purchased in Volume
- App Configuration - Replace the following keys in the template below and copy/paste to console

App Config Key	Value
api-password	CSteacher API password created in previous step

```
<dict>
  <key>JPS_URL</key>
    <string>$JPS_URL</string>
  <key>JSSID</key>
    <string>$JSSID</string>
  <key>USERNAME</key>
    <string>$USERNAME</string>
  <key>mode</key>
    <string>teacher</string>
  <key>class_display_field</key>
    <string>display_name</string>
  <key>api-username</key>
    <string>CAteacher</string>
  <key>api-password</key>
    <string>ENTER_PASSWORD_HERE</string>
</dict>
```

3. [Student Mode] Add another app record of Class Assigner to the Jamf Pro app catalog and complete the following then save:

- General - Change Display Name to “Class Assigner (student)”
- Scope - Add scoping to include student target devices
- Managed Distribution - Check Assign Content Purchased in Volume
- App Configuration - Replace the following key in the template below and copy/paste to console

App Config Key	Value
api-password	CSstudent API password created in previous step

```
<dict>
  <key>JPS_URL</key>
    <string>$JPS_URL</string>
  <key>JSSID</key>
    <string>$JSSID</string>
  <key>USERNAME</key>
    <string>$USERNAME</string>
  <key>mode</key>
    <string>student</string>
  <key>api-username</key>
    <string>CAstudent</string>
  <key>api-password</key>
    <string>ENTER_PASSWORD_HERE</string>
</dict>
```

Now ready to use!