

# Finding a Better (and Cheaper) MDM Suite

Jim Geoffrey, Technology Coordinator  
Kaukauna Area School District

[geoffreyj@kaukaunasd.org](mailto:geoffreyj@kaukaunasd.org)

Disclaimer: I have no affiliation with Mosyle other than as a customer and have received nothing from them in exchange for this presentation (except for a bunch of pens to hand out.) I'm here to share our journey and not to persuade anyone.





## KAUKAUNA AREA SCHOOL DISTRICT

- About 4000 Students and 450 Staff 4K-12
- Suburban city on the east end of the Appleton Metropolitan Area.
- 1 High school, 1 Middle School, 4 Elementary Buildings with 5 schools
- 2 Charter schools
- 1:1 Chromebooks gr. 5-12, 8 Chromebooks per classroom 5K-4, 8 iPads per classroom 4K
- Staff use Windows laptops, Windows labs in Business Ed, Computer Science, Tech Ed. Mac lab in Graphic Arts and Art.

When I stepped in 4 years ago:

- iPads in Special Ed and Elementary Carts.
- iPad 2, 3 and 4
- No MDM
- Dozens of iTunes accounts and gift cards
- No replacement plan
- Macs unmanaged





How are you managing your  
iOS and MacOS devices?

 jamf: our first MDM.



# Pros & Cons

Large installed user base

Powerful features

On-Prem and Cloud versions

Local Company

Good support department

Expensive (\$1500 Jump Start +  
\$8 / iOS device)

Struggles with initial deployment

Slow and tedious, especially home  
screen layouts

# All the pro features you need for a simple, fair and transparent price

You don't need to choose between a Pro product and a stripped-down product for Schools. Mosyle Manager works for schools of all sizes and has a flexible pricing plan for every type of Apple deployment. You can get all the pro features you need, for a fraction of the price.

Device-based License

User-based License (BYOD)

BASIC PLAN  
Free

SIGN UP FOR FREE

1-YEAR PREMIUM PLAN

\$ 5.50

price per device/year

SIGN UP FOR FREE

[See Billing Policies For Plan Details](#)

3-YEAR PREMIUM PLAN

\$ 14.85

price per device/3-year

SIGN UP FOR FREE

[See Billing Policies For Plan Details](#)



# Initial Renewal Quote

\$9 / iOS device, \$18 / Mac per year

change →





## CONTENTS

[01] Introduction

[02] Prepare Network Infrastructure

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[04] Export Assets and Store Data

[05] Un-enroll Devices

[06] Set up the new MDM Solution

[07] Re-enroll and Assign Devices

[08] Final Tips

[Download Migration Checklist](#)

[Next >](#)

# Introduction

# 01

Your school or district has invested in Apple devices to create engaging and creative ways of learning. To foster an ideal technology-centric learning experience, you have contracted an MDM vendor to simplify your deployment. However, after some time you've realized that they are constantly overpricing you and killing your school budget, their support team takes days to answer your questions and solve your issues, and commands are not reliably being applied to devices.

Good news is: you have found a more cost-effective mobile device management solution, priced for education and committed to provide the best customer support experience, so you decided that it's time to migrate - however, you have questions on how to get started migrating from another MDM solution. Well, you're in the right spot!



[Create Account](#)

 455  
Devices

 229  
Pending commands

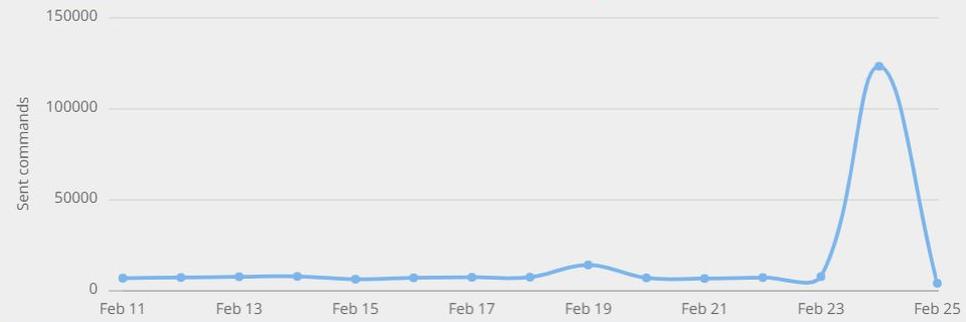
 2  
Failed commands

 Premium  
Premium up to: 10/02/2020

 Push active  
Expiration date: 07/21/2020



- Student
- Teacher
- Primary Leader
- Leader



LAST COMMANDS APPLIED BY TEACHERS

*There are no commands applied by teachers*

ALERTS SEE MORE

	OS update	299
	Devices without "Location" enabled	225
	No connection	67
	Students without a Class Period	60
	Low battery	57
	VPP licenses almost full	55
	Teachers without periods	9
	Storage almost full	2

# JAMF Home Screen Layout

Application	Contacts	com.apple.MobileAddressBook	Edit	Delete	^	v
Application	Home	com.apple.Home	Edit	Delete	^	v
Application	Maps	com.apple.Maps	Edit	Delete	^	v
Application	Notes	com.apple.mobilenotes	Edit	Delete	^	v
Application	Photos	com.apple.mobileslideshow	Edit	Delete	^	v
Application	Podcasts	com.apple.podcasts	Edit	Delete	^	v
Application	Reminders	com.apple.reminders	Edit	Delete	^	v
Application	Microsoft Word	com.microsoft.Office.Word	Edit	Delete	^	v
Application	Microsoft Excel	com.microsoft.Office.Excel	Edit	Delete	^	v
Application	Microsoft PowerPoint	com.microsoft.Office.Powerpoint	Edit	Delete	^	v
Application	Microsoft OneNote	com.microsoft.onenote	Edit	Delete	^	v
Application	Microsoft Outlook	com.microsoft.Office.Outlook	Edit	Delete	^	v
Application	Microsoft OneDrive	com.microsoft.skydrive	Edit	Delete	^	v
Application	Adobe Acrobat Reader for PDF	com.adobe.Adobe-Reader	Edit	Delete	^	v
Application		uk.org.pvonline.ios	Edit	Delete	^	v

Manage iOS / iPadOS

- Devices (Bulk Operations)
- Device Groups
- Alerts
- Commands Activity Log
- App Center
- Apple Apps and Books (VPP)
- Absent & Exceptions
- User Authentication

Management Profiles

- All profiles
- Install App
- Allowed/Blocked Apps
- Home Layout
- Multi-Cert WiFi
- Notifications
- Restrictions
- Wallpaper

Applicable only on supervised devices.

+ Add new profile

All Location(s)

Search by name...

ELL iPad Dock	View details	<input checked="" type="checkbox"/>
EQ Cart Home Screen	View details	<input checked="" type="checkbox"/>
EQ iPod Touch Home Screen	View details	<input type="checkbox"/>
EQ SPED iPad Home Layout	View details	<input type="checkbox"/>
Haen Cart Home Screen	View details	<input checked="" type="checkbox"/>
KHS Art Home Screen	View details	<input type="checkbox"/>
KHS Choir Home Layout	View details	<input type="checkbox"/>
KHS Football iPad Home Layout	View details	<input type="checkbox"/>
KHS LMC Home Screen	View details	<input type="checkbox"/>
KHS Sped iPad Home Layout	View details	<input type="checkbox"/>
Park iPad Cart Home Screen	View details	<input type="checkbox"/>
Park SPED iPad Home Screen	View details	<input type="checkbox"/>
RV LMC Home Screen [copy]	View details	<input type="checkbox"/>

### Home Layout

Last Modified: 5 months and 14 days ago (v17)

This profile can only be delivered at the User Channel on Apple Shared iPad devices. If you're installing on Apple Shared iPad devices, please assign the profile to the users instead of the cart.

Name\*

Haen Cart Home Screen

Organize all of the users apps based on App Store categories.

Create an Allowed Apps profile based on this Home Layout.



All apps included in this profile will be arranged on the device interface based on how they are arranged within the profile. Any other apps installed on the device, that are not included in this profile, will be displayed immediately after the apps in the Home Layout profile, and in alphabetical order. To hide any other apps, feel free to use the Allowed/Blocked app profiles.

When the Home Layout profile is applied, users will not be able to manually rearrange apps on the device.

Application time:



Filtering the apps by: Native Apps

Search for app name...

- Activity
- Apple Watch
- App Store
- Calculator
- Calendar
- Compass
- Contacts
- Facetime
- Files
- Find my Friends
- Find my iPhone
- Find my
- Game Center
- Health
- Home
- iTunes Store
- Mail
- Messages
- Music
- News
- Nike-iPod
- Notes
- Wallet
- iPhone Phone
- Podcasts
- Reminders
- #images
- Shortcuts
- Stocks
- Tips
- Legacy Videos
- Weather

**Manage iOS / iPadOS**

- Devices (Bulk Operations)
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**Management Profiles**

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### Apple Apps and Books (VPP)

The Apps and Books (formerly VPP) from Apple allows educational institutions to buy apps and books in bulk and distribute to its students and teachers.

+ Add account

Account Name	Locations	Organization	Valid until	Last update	Edit
ASM 1 - Kaukauna Area School District	All current and future locations	Kaukauna Area School District	01:47 PM - 11/24/2020	02:03 AM - 02/25/2020	Edit
ASM 2 - Electa Quinney	All current and future locations	Kaukauna Area School District	03:43 PM - 11/24/2020	02:03 AM - 02/25/2020	Edit
ASM 3 - Tanner	All current and future locations	Kaukauna Area School District	03:44 PM - 11/24/2020	02:03 AM - 02/25/2020	Edit
ASM 4 - River View	All current and future locations	Kaukauna Area School District	03:43 PM - 11/24/2020	02:03 AM - 02/25/2020	Edit
ASM 5 - Park Community Charter School	All current and future locations	Kaukauna Area School District	03:43 PM - 11/24/2020	02:03 AM - 02/25/2020	Edit
ASM 6 - New Directions Learning Community	All current and future locations				Edit

### ASM 1 - Kaukauna Area School District

Apps Books Invites

**Last updated: a few seconds ago**

If you have recently purchased licenses in your Apps and Books (VPP) account and none or only some are displayed, please wait as this process can take some time depending on the number of licenses purchased and the status of the order. All information displayed is the information currently made available to the MDM.

[Update](#)

Search by name...

App Name	Progress	Actions
#SelfCare	1 / 10	Refresh Info
10 Frame Fill	285 / 900	Refresh Info
1000 Photos Difference Game	42 / 100	Refresh Info
3D Museum Viewer / MERGE Cube	6 / 400	Refresh Info
511 Wisconsin	4 / 120	Refresh Info
A Number Math App - practice basic elementary number facts for kindergarten, 1st and 2nd grade kids - FREE	0 / 300	Refresh Info
AB Classic HD	0 / 300	Refresh Info
ABC - Magnetic Alphabet HD for Kids	6 / 20	Refresh Info
ABC - Magnetic Alphabet Lite for Kids	88 / 300	Refresh Info
ABC 123 Lectura y Escritura Práctica HD	0 / 50	Refresh Info



## Help Center

Search

**Getting Started**

Properly set up and configure your account and devices.

**Product Tour**

Watch a demo that walks you through the product.

**Security Information Page**

This guide was created to share some of the details of what we do to keep things secure and some of the work that we're doing to continually improve the security of your data. We will keep adding new information here, so remember to check the content here when you have time.

**Migrating from another MDM?**

Welcome to Mosyle! We are so excited to have you. Did you know that you can use your previous MDM to...

**Dashboard & Network Settings**

The Dashboard provides a general overview of your account to include information regarding the...

**Basic Setup**

Learn about configuring your Push Certificate and integrate your Apple School Manager account!

**Device & User Enrollment**

Learn about the different enrollment methods including Automated Device Enrollment and User Enrollment.

**My School Tab**

The My School tab is where you can set up your school hierarchy, organize and manage users as well as configure your integrations.

**User Management**

Learn how to create, import and manage users in Mosyle Manager.

**Assign iOS and macOS Devices**

Learn how to assign devices to users and/or Shared carts.

**Integrations & Authentication**

Learn about how to set up and configure your integrations with Mosyle Manager.

**Device Management Tab**

Your need to know on Devices, Device Groups, Alerts, Commands Activity Log, App Center, Apple Apps and Books (VPP) and Absent &amp; Exceptions.

**Installing and Managing Apps**

Everything you need to know about deploying and managing apps with Mosyle Manager.

**Installing Books**

Attention: Tickets will automatically be converted to "Closed" status after 7 days of inactivity.

#47240 - Question about VPP -> ASM conversion **Closed** 12/02/2019#43094 - Can't use lightning video adapter with iOS 13 **Closed** 10/11/2019#38084 - Can't add Adobe icons to dock **Closed** 08/28/2019#30135 - Getting error message trying to apply home screen layout **Closed** 05/02/2019#30136 - Trying to get Blender on the allowed applications list **Closed** 05/02/2019#27387 - Webclips not showing up in Dock **Closed** 03/08/2019#25852 - Using an external USB DVD drive on an iMac **Closed** 02/11/2019#24558 - iMovie and GarageBand won't launch **Closed** 01/17/2019#23784 - Can't give app photo permission **Closed** 12/18/2018#23384 - Final Cut Pro won't launch under student account **Closed** 12/10/2018#23284 - Installing Apps **Closed** 12/10/2018#22781 - Continuing ticket #20654 - Mac Apps won't install **Closed** 11/27/2018#20654 - Apps not pushing out to Macs **Closed** 10/31/2018#21033 - Unable to remove profiles from computers **Closed** 10/19/2018#19040 - Admin users can't change system preferences **Closed** 09/17/2018#19028 - Hide "All" network devices on Mac for student users **Closed** 09/17/2018#19029 - Question about Dock settings **Closed** 09/17/2018#18790 - Having trouble enrolling lab computers **Closed** 09/17/2018

Manage iOS / iPadOS

Devices (Bulk Operations)

Device Groups

Alerts

Commands Activity Log

App Center

Apple Apps and Books (VPP)

Absent & Exceptions

User Authentication

Management Profiles

- All profiles
- Install App
- Allowed/Blocked Apps
- Home Layout
- Multi-Cert WiFi
- Notifications
- Restrictions
- Wallpaper

Device Enrollment

School devices

No filter applied...  
+ Add filter

Update Info Update iOS

Device Name	Tags
<input type="checkbox"/> iPad Shared - Tanner 4K iPads	DEP
<input type="checkbox"/> iPad Shared - Summer School Cart	DEP
<input type="checkbox"/> iPad Limbo	DEP
<input type="checkbox"/> iPad Shared - NDLC iPads	DEP
<input type="checkbox"/> iPad Shared - Park iPad Cart	DEP
<input type="checkbox"/> iPad Shared - Summer School Cart	DEP
<input type="checkbox"/> iPad Shared - Administrative iPads	DEP
<input type="checkbox"/> iPad Shared - NDLC iPads	DEP
<input type="checkbox"/> iPad Shared - Summer School	DEP

### Device information

**iPad**

Update Send Push Resend Manager Agent More

Info Apps Books Commands Profiles Occurrences

Last update info: 11:28 AM - 01/30/2020 [Send Update Info](#)

Location not available [Learn more](#)

**Operating System Version:** 12.3.1 (16F203)  
**Update:** 13.3 (Available to download)  
[View update available](#)

**OS Update Status was Downloaded?** No  
**Percent Complete:** 0% (Downloading)

**Type:** Shared device (Tanner 4K iPads) (Change)

**Device name:** iPad (Change)

**Device Groups:**  
 There are no Device Groups assigned.

**MDM Status:** Activated

2/5 (455 results) Personalize

Bulk by Import

HD	Status	Model	Last Update
56% (15 GB/26 GB)	MDM	iPad (6th generation)	11:28 AM
88% (11 GB/12 GB)	MDM	iPad (4th generation)	01:30 PM
45% (12 GB/26 GB)	MDM	iPad (6th generation)	07:45 AM
61% (16 GB/26 GB)	MDM	iPad (6th generation)	03:30 PM
73% (17 GB/22 GB)	MDM	iPad (6th generation)	11:28 AM
45% (12 GB/26 GB)	MDM	iPad (6th generation)	01:30 PM
36% (9 GB/25 GB)	MDM	iPad (6th generation)	08:30 AM
63% (16 GB/25 GB)	MDM	iPad (6th generation)	09:30 AM
	MDM	iPad (4th generation)	03:30 PM



Manage iOS / iPadOS

Devices (Bulk Operations)

Device Groups

**Alerts**

Commands Activity Log

App Center

Apple Apps and Books (VPP)

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Management Profiles

All profiles

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### Alerts

[View history](#)

Grouped by type      1:1 Users      Shared Devices      Limbo

 <p><b>296</b> OS update</p>	 <p><b>225</b> Devices without "Location" enabled</p>	 <p><b>68</b> No connection</p>	 <p><b>60</b> Students without a Class Period</p>	 <p><b>59</b> Low battery</p>
 <p><b>55</b> VPP licenses almost full</p>	 <p><b>9</b> Teachers without periods</p>	 <p><b>2</b> Storage almost full</p>	 <p><b>2</b> Not supervised</p>	 <p><b>0</b> Jailbroken Devices</p>
 <p><b>0</b> Not in Automated Enrollment</p>		 <p><b>Add Custom Alert</b></p>		

 **Alerts via e-mail**  
You are receiving alerts via e-mail [Config](#)

[Export Alerts](#)

Kaukauna Area School District | myschool.mosyle.com

Jim Geoffrey | Settings | Logout

### Manage macOS

- Devices (Bulk Operations)
- Device Groups
- Alerts
- Commands Activity Log
- App Center
- Apple Apps and Books (VPP)
- Absent & Exceptions
- User Authentication

#### Management Profiles

All profiles

- Install App
- Allowed/Blocked Apps
- Custom Commands**
- Dock
- Finder
- Local User

+ Add new profile

All Location(s)

Search by name... | All categories

**Set Time Server** Settings | View results

### Custom Commands

Last Modified: 1 year and 1 month ago (v1)

**Profile Name \***

Set Time Server

**Choose an Icon**  
Choosing an icon for your command makes it easier to find it.

**Categories**  
Add multiple categories by separating each with a comma, i.e. "Category 1, Category 2".

Settings

Code	Schedule
<pre>1 # set time server 2 systemsetup -setusingnetworktime on 3 systemsetup -setnetworktimeserver KASD-EQU2.kasd.edu</pre>	

All Custom Commands will be run at the root level. If you need the command to run as the local logged in user, please preface your command with the following script:  
#Will run all commands as the user  
`sudo -u $(stat -f "%Su" /dev/console) /bin/sh <<'END'`

**Warning!** Be careful when entering and applying custom codes and commands. Mosyle is not responsible for any damage to the device as a result of the code entered.

Show the command response as an attribute on Device Info **New**  
In the Device Info area for each device, the response from the command will be displayed. You can also use this as a filter in the Device Groups. Use the field below to enter the name of the attribute:

macOS | Dashboard | My School | Management | Class Manager | Preferences | Support

FREE PREMIUM

## GENERAL INFO

1:1, Shared & BYOD Support [?](#)Multi-OS Management [?](#)

-

Custom Alerts [?](#)

-



## SUPPORT

Help Center [?](#)Support with Tickets [?](#)

-



## MDM COMMANDS

Install Apps and Books [?](#)iOS or macOS Native Restrictions [?](#)Wifi Authentication [?](#)Configure Security & Privacy [?](#)

FREE PREMIUM

Apps and Books Self-Service [?](#)Run Custom Scripts for Mac [?](#)

-

Generate PKGs and Install Enterprise Software [?](#)

-

Create Unlimited Device Groups [?](#)

-

Schedule Management Profiles [?](#)

-

Bulk Operations [?](#)

-



## INTEGRATIONS

Apple School Manager Full Support [?](#)Apple Classroom App Integration [?](#)Active Directory Integration [?](#)

-

API Integration [?](#)

-





Add-on

Mosyle Auth for Mac Login Window

**\$ 2.00**

price per **device/year**

- ✓ Enhance Login Window bringing SSO and AD functionality, no binding required
- ✓ Set up local user accounts and link them to modern authentication using cloud IdPs
- ✓ Support to G-Suite, Azure AD, Office 365, AD FS, LDAP and On-Premise AD

# Account Status

Your Premium plan for 500 licenses is available until 10/02/2020.

Upgraded by Jim Geoffrey (geoffreyj@kaukaunasd.org) on 10/01/2018.

## Number of licenses



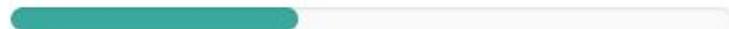
490 / 500 licenses ([download list](#))

- **91.0%** used for iOS / iPadOS devices (455 devices)
- **7.0%** used for macOS devices (35 devices)

[Quote for additional licenses](#)

[Add licenses](#)

## Expiration date



10/02/2020 (220 days left)

## Add-ons

### Mosyle CDN for PKG and IPA Hosting (i)

Mosyle's CDN streamlines PKG and IPA deployment and centralize file storage and management in one place.

⚠ Mosyle CDN is not enabled on your account.

[Get a quote](#)

[Enable CDN](#)

### Mosyle Auth (i)

Enhanced Mac Login Screen Window bringing Single Sign-On (SSO) and AD functionality.

⚠ Mosyle Auth is not enabled on your account.

[Get a quote](#)

[Enable Mosyle Auth](#)

## Subscription

MDM Platforms

School Logo

Login Screen Wallpaper

Parental MDM - ScreenGuide

Mosyle Beta



### Integration with parental control tools for free

We made mobile device management even more powerful by extending its capabilities to parents through our parental MDM solution called ScreenGuide Parental Control App.

Set the days and times parents will be able to apply the custom “at-home” policies without having to remove the current Mosyle Manager MDM profile.

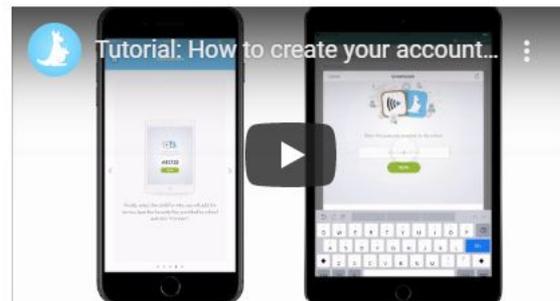
Activate the integration to allow parents and families to manage any number of school-owned iOS devices at home, with access to all ScreenGuide features, at **no additional cost**.

[Activate ScreenGuide Integration for FREE](#)

### Easy activation steps for parents

- Download the app from the App Store on parents' device
- Create the ScreenGuide account
- Visit [screen.guide/connect](https://screen.guide/connect) on the school-managed device
- Enter the provided school-code
- Done!**

*Watch how it's easy for parents to get started using ScreenGuide*



Watch all the video tutorials for [parents](#)