

AirWatch Teacher Tools Guide for Administrators

Managing mobile devices in the classroom

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Revision Table

The following table displays revisions to this guide since the release of .

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Table of Contents

Chapter 1: Overview	4
Introduction to AirWatch Teacher Tools	5
AirWatch Teach and Learn Requirements	5
Chapter 2: Initial Configurations	7
Configuring Teacher Tools	8
Enabling API Access	8
Configuring Bulk Management	8
Adding Classes	9
Adding Administrator Accounts for Teachers	9
Adding User Accounts for Students	10
Using Shared Devices	11
Chapter 3: Application Deployment	12
Overview of AirWatch Application Deployment	13
Deploy AirWatch Applications	13
SDK Profiles, Policies and Settings Compatibility	14
Accessing Other Documents	17

Chapter 1:

Overview

Introduction to AirWatch Teacher Tools5

AirWatch Teach and Learn Requirements5

Introduction to AirWatch Teacher Tools

AirWatch Teacher Tools simplifies mobile device management in the classroom by empowering teachers to create interactive mobile learning experiences for students. Using two apps, AirWatch Teach for teachers and AirWatch Learn for students, teachers can use real-time management capabilities to organize classes and supervise students. The AirWatch Teach app allows teachers to associate each student with an assigned device in class and help manage all devices in the classroom.

The AirWatch Teacher Tools apps, AirWatch Teach and AirWatch Learn, include the following features:

- **App Lock/Website Lock/File Lock:** Provides teachers with the ability to lock students or the whole class into an approved application, a set of websites, or a selection of content at will or for a defined amount of time.
- **Attention:** Lets teachers temporarily disable student devices during class instruction to minimize distraction.
- **Clear Passcode:** Allows teachers to help manage student devices if the student forgets a passcode.

These features and more give teachers the resources to balance both device management and their classroom with a simple user interface. Teachers can focus on the students, and the students can focus on learning rather than technology.

AirWatch Teach and Learn Requirements

Requirements
AirWatch Teach Requirements
Console Requirements
<ul style="list-style-type: none"> • AirWatch Console v7.2+ for devices running iOS 8 • AirWatch Console v8.1.1+ for devices running iOS 9 and above
Supported Devices and Software
<ul style="list-style-type: none"> • iPad 2+(AirWatch recommends iPad 3), iPad mini, or iPad Air 2 • iOS 8+ • AirWatch Agent v4.9.3+ for devices running iOS 8 • AirWatch Agent v5.0.2+ for devices running iOS 9 and above
Other Requirements
<ul style="list-style-type: none"> • Connected Wi-Fi • Admin Level Account – Teacher devices require administrator or custom administrator roles. Create teacher admin roles at or above the organization group that contains enrolled students and classes. • User Account – Enrolled teacher devices require a user account. Unenrolled teacher devices only need a user account to access other AirWatch apps like Inbox or VMware Content Locker.

Requirements
AirWatch Learn Requirements
Console Requirements
<ul style="list-style-type: none"> • AirWatch Console v7.2+ for devices running iOS 8 and below • AirWatch Console v8.1.1+ for devices running iOS 9 and above
Supported Devices and Software
<ul style="list-style-type: none"> • iPad 2+(AirWatch recommends iPad 3), iPad mini, or iPad Air 2 • AirWatch Agent v4.9.3+ for devices running iOS 8 and below • AirWatch Agent v5.0.2+ for devices running iOS 9 and above
Other Requirements
<ul style="list-style-type: none"> • Connected Wi-Fi • Supervised Devices – Configure and enroll supervised devices for your school using the following enrollment methods: <ul style="list-style-type: none"> ◦ Apple's Device Enrollment Program(DEP) – Configure a non-removable MDM profile on devices. ◦ Apple Configurator – Bulk enroll devices when you need to enroll and assign hundreds or thousands of devices to students. <p>This guide does not cover enrollment methods. For more information, refer to the VMware AirWatch Guide for the Apple Device Enrollment Program or the AirWatch Integration with Apple Configurator Guide, available on AirWatch Resources.</p>

Chapter 2:

Initial Configurations

- Configuring Teacher Tools8
- Enabling API Access8
- Configuring Bulk Management8
- Adding Classes9
- Adding Administrator Accounts for Teachers9
- Adding User Accounts for Students10
- Using Shared Devices11

Configuring Teacher Tools

With AirWatch Teacher Tools apps, Teach and Learn, both IT administrators and teachers are able to help manage mobile devices in classrooms. This guide focuses on the role of the IT administrator by highlighting important app settings you can configure in the AirWatch Console.

This guide doesn't cover end user instructions for the AirWatch Teacher Tools apps. For information, see the **VMware AirWatch Teacher Tools User Guide** on [AirWatch Resources](#).

Enabling API Access

Enable the communication flow between the apps and server using REST APIs.

1. Navigate to **Groups & Settings > All Settings > System > Advanced > API > Rest API**.
2. Select the **General** tab, and complete the fields as recommended:

Setting	Description
Current Settings	Select the Override radio button.
Enable API Access	Select the check box.
Service	AirWatchAPI automatically populates.
Account Type	Set to Admin .
API Key	Make sure the API Key appears in the field box.

3. Select **Save**.

Configuring Bulk Management

Configure bulk management in the AirWatch Console to ensure the App Lock command reaches all devices.

1. Navigate to **Groups & Settings > All Settings > Devices & Users > Advanced > Bulk Management**.
2. Edit the settings recommended below. You can leave the other settings unchanged.

Setting	Description
Current Settings	Select the Override radio button.
Lock Device	<p>Edit the field to a value that includes the number of devices enrolled in your organization group plus a number that accounts for new devices that may be enrolled during the school year.</p> <p>AirWatch recommends setting this at the highest Organization Group level. For example, if the highest organization group enrolled 50,000 devices, set the Lock Device value to 50,500 to prevent any issues when adding new devices. Work with an AirWatch consultant for additional assistance if needed.</p>

Adding Classes

Create classes in the AirWatch Console by creating a tag for each class in the school. When a teacher or student searches for a class in the app, they see these tags listed as available classes they can join.

Teachers can also create classes from their devices. This guide does not cover how teachers add classes. For more information, refer to the **VMware AirWatch Teacher Tools User Guide**, available on [AirWatch Resources](#).

1. Navigate to **Devices > Device Settings > Devices & Users > Advanced > Tags** in the organization group that you want to manage.

Note: Classes are inherited. User accounts for students must be added to the same organization group. Administrator accounts for teachers may be added to the same or a higher organization group.

2. Select **Add** to add a new class to the organization group.
3. Complete the fields on the **Add Tag** screen that appears:

Setting	Description
Name	Type a name for the class in the field box. The class name is seen on both teacher and student devices. AirWatch recommends using your existing Class IDs in addition to a class name.
Type	Select Device from the drop-down menu.

4. Select **Save** to finish.

Adding Administrator Accounts for Teachers

Create administrator accounts for teachers so they can help manage the student devices in the classroom. With this type of account, teachers can import and save content to their classroom, lock students into content and clear passcodes for students who have forgotten their password.

This guide doesn't cover how teachers use AirWatch Teach to manage their classes. For more information, refer to the **VMware AirWatch Teacher Tools User Guide**, available on [AirWatch Resources](#).

For each teacher, you must create an AirWatch admin account using the step-by-step instructions below.

Teacher devices do not require a user account except in edge cases where teachers access other AirWatch apps like Inbox or VMware Content Locker, or have an enrolled device.

1. Navigate to **Accounts > Administrators > List View > Add > Add Admin**.

Observe that admins have additional tabs for configuration that normal users do not.

2. Configure the tabs on the **Add/Edit Admin** screen that appears.

Add/Edit Admin Screen	
BASIC	
Setting	Description
User Type	Select either Basic or Directory . <ul style="list-style-type: none"> • Basic – Complete all required fields, including username/password and First Name/Last Name. • Directory – Enter the Domain and Username of the admin user.
DETAILS	
Enter additional information, if necessary.	
ROLES	
Setting	Description
Organization Group	Select an available organization group from the options that appear.
Role	Select one of the following roles: <ul style="list-style-type: none"> • AirWatch Administrator – Administrator roles provide access to the AirWatch Console if the end user knows the console URL. • Console Administrator – Administrator roles provide access to the AirWatch Console if the end user knows the console URL. • Custom Teacher Role – Select to prevent access to the AirWatch Admin Console. You need to create and verify custom roles. Verify custom roles by: Navigating to Accounts > Roles > Select Role . Type Rest API into the Search Resources text box. Verify that all available REST APIs have Read and Edit selected.
API	
Ignore this tab.	
NOTES	
Enter additional Notes for the admin user.	

3. Choose **Save** to create the new Admin Account with every assigned role.

Adding User Accounts for Students

Create user accounts for students so they can join classes and participate in classroom activities. Students will appear as users in the AirWatch Console, where you can manage them if necessary.

For each student, you must create an AirWatch user account using the step-by-step instructions below.

1. Navigate to **Accounts > Users > List View > Add > Add User**.
2. Complete the settings, as recommended, on the **Add/Edit User** page that appears:

Add/Edit User	
General	
Setting	Description
General	Fill in required fields, denoted with a red star. If desired, complete the other available fields.
Enrollment	Enrollment Organization Group – Select the organization group used to determine which profiles, apps, compliance policies, etc. apply to this user.
	Allow user to enroll into additional Organization Groups – Leave disabled unless this user needs access to multiple groups.
	User Role – Select the appropriate role from the drop-down menu. You can view the differences between roles by navigating to Accounts > Users > Roles and selecting View Role .
Notification	Message Type – Set to Email or SMS to send the end user an activation notification.
	Message Template – Select the template for the notification.
Advanced	
Setting	Description
Staging	Enable Device Staging – Leave disabled unless you're configuring a user who is staging devices. This guide does not cover device staging. For more information, refer to the Performing Device Staging section in the Mobile Device Management , available on AirWatch Resources .

3. Select **Save** or **Save and Add Device**.

Using Shared Devices

AirWatch Teacher Tools v.1.3 and higher supports shared device mode so that students can share devices in a school. Each time a student receives a device, the student can check it out. Students must check out devices using the AirWatch Agent.

For more information about shared devices, see the **Shared Devices** section in the **AirWatch iOS Platform Guide**, available on [AirWatch Resources](#).

Chapter 3:

Application Deployment

Overview of AirWatch Application Deployment	13
Deploy AirWatch Applications	13

Overview of AirWatch Application Deployment

Control how AirWatch applications deploy to your end users and other security configurations from the AirWatch Console. Once deployed, end users can download and use these apps.

The **Mobile Application Management (MAM) Guide**, available in the in the , covers the process for deploying public applications in full detail. While the VMware Content Locker application is available in the public app store, your organization needs to purchase licenses per device to take advantage of the AirWatch MCM solution. Please see <http://www.air-watch.com/pricing> or contact your AirWatch representative for more information.

Deploy AirWatch Applications

Configure AirWatch Applications to deploy as public apps.

Utilize this simplified deployment workflow to seamlessly push AirWatch applications to end users.

1. Navigate to **Apps & Books > Applications > Native > Public**.
2. Select **Add Application**.
3. Configure the fields on the screen that appears:

Setting	Description
Managed By	View the organization group the application uploads in.
Platform	Choose the appropriate platform.
Name	Enter a descriptive name in the field to help search for the application in an app store.
Search App Store	Select to search for the application in the app store. In order to search the Google Play Store in an on-premises deployment, you must integrate a Google Account with the AirWatch MDM environment.

4. Review the information that automatically populates in the **Info** tab.
5. Add smart groups from the **Assignment** tab.
6. Use the **Deployment** tab to determine how your end users receive the app. End users find and download recommended apps in the app store. To make finding and deploying it easier, you can recommend it through AirWatch or automatically push it to your devices.
7. Assign **Terms of Use**, if desired.
8. **Save and Publish**.

SDK Profiles, Policies and Settings Compatibility

AirWatch offers the ability to apply AirWatch SDK functionality to AirWatch applications using a default settings profile. View compatibility information for available AirWatch SDK features for in the tables below.

Note: The data in these tables describes the behaviors and support of the specific application and not for applications accessed using another application. For example, the data for the AirWatch Container application references only the AirWatch Container's behavior. It does not reference the behaviors for apps accessed using the AirWatch Container.

Settings and Policies Supported Options for AirWatch Applications

UI Label	Teacher Tools
	iOS
Passcode: Authentication Timeout	X
Passcode: Maximum Number Of Failed Attempts	X
Passcode: Passcode Mode Numeric	X
Passcode: Passcode Mode Alphanumeric	X
Passcode: Allow Simple Value	X
Passcode: Minimum Passcode Length	X
Passcode: Minimum Number Complex Characters	X
Passcode: Maximum Passcode Age	X
Passcode: Passcode History	X
Biometric Mode: Fingerprint	X
Username and Password: Authentication Timeout	X
Username and Password: Maximum Number of Failed Attempts	X
Single Sign On: Enable	✓
Integrated Authentication: Enable Kerberos	X
Integrated Authentication: Use Enrollment Credentials	X
Integrated Authentication: Use Certificate	X
Offline Access: Enable	✓
Compromised Protection: Enable	X

UI Label	Teacher Tools
	iOS
App Tunnel: Mode	X
App Tunnel: URLs (Domains)	X
Content Filtering: Enable	X
Geofencing: Area	X
DLP: Bluetooth	X
DLP: Camera	X
DLP: Composing Email	X
DLP: Copy and Paste Out	X
DLP: Copy and Paste Into	X
DLP: Data Backup	X
DLP: Location Services	X
DLP: Printing	X
DLP: Screenshot	X
DLP: Third Party Keyboards	
DLP: Watermark	X
DLP: Limit Documents to Open Only in Approved Apps	X
DLP: Allowed Applications List	X
NAC: Cellular Connection	X
NAC: Wi-Fi Connection	X
NAC: Allowed SSIDs	X
Branding: Toolbar Color	X
Branding: Toolbar Text Color	X
Branding: Primary Color	X
Branding: Primary Text Color	X
Branding: Secondary Color	X

UI Label	Teacher Tools
	iOS
Branding: Secondary Text Color	X
Branding: Organization Name	X
Branding: Background Image iPhone and iPhone Retina	X
Branding: Background Image iPhone 5 (Retina)	X
Branding: Background Image iPad and iPad (Retina)	X
Branding: Background Small, Medium, Large, and XLarge	X
Branding: Company Logo Phone, Phone High Res, Tablet, Tablet High Res	X
Logging: Logging Level	X
Logging: Send Logs Over Wi-Fi	X
Analytics: Enable	X
Custom Settings: XML entries	X

*✓ This option is supported but is not configured using Settings and Policies.

**✓ This option requires Android Ice Cream Sandwich and KitKat.

Accessing Other Documents

While reading this documentation you may encounter references to documents that are not included here.

The quickest and easiest way to find a particular document is to navigate to https://my.air-watch.com/help/9.2/en/Content/Release_Notes/Doc_List_PDFs.htm and search for the document you need. Each release-specific document has a link to its PDF copy on AirWatch Resources.

Alternatively, you can navigate to AirWatch Resources on myAirWatch (resources.air-watch.com) and search. When searching for documentation on Resources, be sure to select your AirWatch version. You can use the filters to sort by PDF file type and .