

# Workspace ONE Launcher

VMware Workspace ONE UEM 2111

You can find the most up-to-date technical documentation on the VMware website at:

<https://docs.vmware.com/>

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# About VMware Workspace ONE Launcher

# 1

Workspace ONE Launcher is a fully integrated Android app launcher managed through the Workspace ONE UEM console. IT admins customize and build their device's Launcher home screen as a profile payload. Workspace ONE Launcher then automatically takes over as the device home screen and applies admin-defined device and application policies. Designed with frontline worker use cases in mind, Launcher's customizability gives admins the flexibility to serve any business requirement.

This chapter includes the following topics:

- [Workspace ONE Launcher Use Cases](#)
- [Workspace ONE Launcher Modes](#)
- [Supported OS Versions and Management Modes\\*\\*](#)
- [Deploy Workspace ONE Launcher to Devices](#)
- [Configure Workspace ONE Launcher Profile](#)
- [Advanced Launcher Settings](#)
- [Monitoring Workspace ONE Launcher Status](#)
- [Apps for Workspace ONE Launcher](#)
- [Bookmarks](#)
- [Template Mode Settings](#)
- [Administrative Passcode](#)

## Workspace ONE Launcher Use Cases

Workspace ONE Launcher serves use cases across retail, logistics, and healthcare. You can use Launcher to lock shared Android devices into a **single application** or a **customizable device home screen**. Launcher also enables **check-in / check-out functionality** so users can log into Launcher and get access to only the resources assigned to them. You can apply logos and customize the UI color to match your company's branding guidelines.

Use Workspace ONE Launcher to...

- **Retail Kiosk Mode** – Set up an interactive kiosk by locking devices into a single app. Customers can browse store products or place food orders without employee interaction.
- **Employee Shared Shift Device** - Equip in-store associates with shared devices. Enable access only to apps, content, and settings they need to complete their work and deliver high-quality customer experiences.
- **Logistics Drivers** - Equip vehicles with locked down shared tablets for order tracking and signature collection. Enable Launcher speed lockdown to prevent device access while on the move.
- **Education** – Provide students with access to only a set of approved education apps. Disable students' ability to surf the Web. Enable access to the admin-managed Play Store to download more approved apps onto the devices.
- **Healthcare** – Loan out devices with approved apps for patient-use, such as games and entertainment apps. Enable phone features and customize an address book with important hospital contact information.

## Workspace ONE Launcher Modes

Admins often desire to lock frontline shared devices into one application or a customizable home screen. Workspace ONE Launcher services both use cases through three app modes:

- Use **Single App Mode** to lock each device into a single app and manage access to other features or settings on the device.
- Use **Multi App** mode to lock devices in a managed home screen layout and provide access to a set of allowlisted apps.
- Use **Template Mode** to customize the user interface of the Launcher app by creating app spaces, images, and text.

## Supported OS Versions and Management Modes\*\*

Workspace ONE Launcher is only supported in Android 6.0+ Work Managed Device enrollment mode. Workspace ONE Launcher is not supported in Work Profile enrollment.

Workspace ONE Launcher supports the following OS versions:

- 5.0.X
- 6.0.X
- 7.0.X
- 8.0.X
- 9.0.X
- 10.0.X

- 11.0.X (Launcher 4.8+)
- 12.0.X (Launcher 21.06+)

### Using Workspace ONE Launcher with Android versus Android (Legacy)

Each Android device in your deployment must be enrolled before it can communicate with Workspace ONE UEM and access internal content and features. Whether you use the Android Profile or Android Legacy profile depends on whether you use device administrator or Android Enterprise for device enrollment.

- Deploy using the Android profile if you have completed Android EMM Registration and are using Android 6.0+ Work managed devices.
- Deploy using Android (Legacy) if you opted out of Android EMM Registration with Google.

## Deploy Workspace ONE Launcher to Devices

Workspace ONE Launcher is not distributed through the Google Play Store and is instead deployed as a seeded application. Admins can also upload Launcher as an internal application or deliver the app through Product Provisioning. This way, you can control when your devices take Launcher updates.

### Deploy as Seeded Application

The simplest method of delivering Launcher to devices is the auto-installation of the seeded version of Launcher. Seeded versions of Launcher are automatically installed on devices if:

- 1 A Launcher profile is assigned to an Android fully managed device.
- 2 If a fully managed device is enrolled to a staging user.

Workspace ONE UEM console upgrades deliver new Launcher versions as part of the upgrade process. When new Launcher versions are made available through a console upgrade, they will appear under Groups & Settings > All Settings > Devices & Users > Android > Service Applications > Workspace ONE Launcher Version.

For CDN-enabled environments 21.07+, new Launcher versions are automatically seeded into environments.

For on-prem environments, Launcher APKs can be uploaded and seeded into the environment at the top-level OG. You can download new versions of Launcher from the [My Workspace ONE](#) resource portal.

### Configure Seeded Launcher Version Settings

Determine which version of Workspace ONE Launcher is pushed to devices with the Launcher Version setting. **Note:** Only upgrade across one version at a time to prevent conflicts and dependency issues.

- 1 Navigate to **Devices > Device Settings > Android > Service Applications**.

## 2 Configure the applicable settings.

Setting	Description
<b>Always use the Latest Version of Workspace ONE Launcher</b>	The latest version of the app automatically pushes to devices when it becomes available. Once this setting is enabled, it applies across all devices you have enrolled into Workspace ONE UEM using Launcher.
<b>Workspace ONE Launcher Version</b>	Manually choose the version you want to deploy from the drop-down menu. Select <b>Upload</b> to seed a new Launcher version. Once uploaded, the Workspace ONE Launcher APK will be listed in the dropdown so you can select it immediately.

## 3 Select **Save**.

## Deploy as an Internal Application

You can upload a Workspace ONE Launcher APK as an internal application which allows you to manage assignment through the Workspace ONE app assignment engine.

See our documentation on how to [upload internal applications from a local file](#).

Note: Auto-update is not supported for Launcher versions uploaded as an internal application. To update Launcher on a device to an internal app version:

- 1 Navigate to **Devices > List View > (Select the target device) > Apps**
- 2 Select the checkbox next to Launcher.
- 3 Select **Install** from the actions.

## Deploy through Product Provisioning

Product provisioning allows for removal and installation of applications based on Product rules. You can upload the Workspace ONE Launcher APK to provision as a product. This provides more granular management over app installation and the recommended tool for staged rollouts.

Learn more about uploading [apps as Products](#) and [Product Provisioning](#).

## Configure Workspace ONE Launcher Profile

Workspace ONE Launcher is configured through device profiles.

- 1 Navigate to **Resources > Profiles & Baselines > Profiles > Add > Add Profile > Android**.
  - Alternatively, select **Android (Legacy)** to configure the Launcher profile if you've opted out of Android EMM registration.
- 2 Name the device profile.
- 3 Navigate to the Launcher payload tab and select **Add**.
- 4 Choose the desired Launcher mode: **Single App**, **Multi App**, or **Template Mode**.
- 5 Set a passcode for entering **Administrative Mode** and exiting out of Launcher lock down. Admin mode enables extra access and features for Launcher troubleshooting.



6 Determine if your devices need to be used in **Offline Mode** or **Guest Mode**.

- Offline mode is used when devices are being used in check-in check-out mode. It allows users to access the Launcher home screen even when they are unable to log in as themselves or are in areas where network connectivity is unstable.
- Enabling guest mode allows users to check out the device without full authentication.
- This setting should be applied to both the end-user and staging user or an organization group that includes both. Assigning to all users ensures the offline mode profile is present when moving between users.

7 For multi-app mode, Admins can set the app grid icon size to **Small**, **Medium**, or **Large**. Admins can also choose to prevent icon rearranging.

8 Workspace ONE Launcher can enable controlled access to specific native settings. Enable the settings to which you'd like to give end-users access. On the device, these settings can be accessed from the Launcher settings screen.

- This feature requires the Appear on Top (Draw Over Other Apps) Permission and Usage Access (or Focus Monitoring on Samsung) Permission.

9 Choose which native device utilities and features to enable on the device.

Utilities Feature	Description
<b>Allow App Manager</b>	Enable access to the app control page for ending app processes under Launcher settings.
<b>Allow Keyguard</b>	Allow native keyguard features. Disabling keyguard disables the lock screen.
<b>Allow Notification Bar</b>	Enable access to the native notification panel.
<b>Allow Power Option</b>	Allow end users to access the power option menu by long-pressing the lock button.
<b>Allow Recent Task List</b>	Enable the native recent tasks list feature.
<b>Allow Status Bar</b>	Enable the native status bar.
<b>Allow Stay Awake</b>	Allow the device to stay awake by default if connected to a power source.
<b>Allow Widgets</b>	Allow widgets to display on the home screen. Widgets can only be added by the end-user.

10 Select **Configure Layout** to navigate to a new screen for configuring the app grid, device wallpaper, orientation preferences, and more.

Setting	Description
<b>Orientation</b>	Set the default home screen layout to either <b>Portrait</b> or <b>Landscape</b> .
<b>Lock</b>	Disable auto-rotate and lock Launcher into the selected orientation. To disable auto-rotate system-wide, Launcher must be granted the write settings permission on the device.
<b>Grid</b>	Choose a grid size for the home screen layout. The drag-and-drop grid will reflect your selection.

Setting	Description
<b>Minimize Title Bar</b>	Select to hide the title bar on the user's device. The user can still swipe down on the screen to access the title bar and additional settings.
<b>Add Row for Pinned Apps</b>	Select to create a bottom bar in the launcher configuration to pin application icons that will remain visible on every screen. <b>Multi App mode only.</b>
<b>Title Bar Icon</b>	Upload a customized icon to appear in the title bar. Available on Multi App Mode only.
<b>Wallpaper</b>	Upload a custom wallpaper to display in the background of the Launcher setup. Available on Multi App mode only.

- 11 Move to the **Apps** tab and use the **Quick Filters** pills to select Public, Internal, Web Bookmarks, or Miscellaneous apps.
  - Miscellaneous apps allow you to manually define the **App Name** or **App ID** you'd like to add to the Launcher home screen or allow in the background.
- 12 Organize the Launcher **Canvas** with apps, view **App Attributes**, remove apps, and create folders for apps to group apps together.

### Canvas Settings

Settings	Description
<b>Title Bar</b>	Customize the title bar with custom text or select a custom attribute to display dynamically depending on the user or device.
<b>Remove</b>	Select an app in the layout to remove the app from the layout.
<b>App Attributes</b>	Select an app in the layout or apps list to display the properties of the selected app.
<b>Create Folder</b>	Select create folder to add a folder to the apps grid.
<b>Layout</b>	Click to configure Launcher layout elements such as icon grid and orientation preference.

## View App Attributes

Settings	Description
<b>Application Name</b>	Enter the name of the application displayed to the user. For a public or internal app, the application name is static and is pulled from the Application name present in Apps and Books. For Miscellaneous apps, the name is editable and the app on the device will show the name that is entered in this field.
<b>Application ID</b>	Enter the unique identifier for a given Android application. The format is <code>com.app name</code> . For example, for Workspace ONE Launcher's app ID is <code>com.airwatch.lockdown.launcher</code> . For a public or internal app, the application name is static and is pulled from the Application name present in Apps and Books. For Miscellaneous apps, the name and app ID is editable. Launcher will attempt to allow-list any app ID added to the layout. For Miscellaneous apps, you can add a wildcard <code>*</code> character to create a dynamic rule for automatic allow-listing. This will automatically add all the whitelisted apps for this App ID package without having to repush the Launcher profile everytime a new app is added. <b>Caution:</b> Minimize conflicts by ensuring apps do not share the same application IDs.
<b>Launch App on Start Up</b>	Enable to force an app to automatically start on Launcher start up or reboot. If your Launcher profile has more than one app, you can only set this field for one app.

- 13 Configure **Hidden Apps**, if needed. Apps added under hidden apps are not displayed on the Launcher home screen, but can be launched if another application enables access to it.
  - a Select the **Hidden App** tab.
  - b Drag and drop apps to add them to the canvas. You can also select the desired app and select **Add To Launcher**.
  - c Select the app and hit **Remove** to remove any apps you do not need.
  - d Note: Hidden apps are useful for adding file viewers. For example, if an end-user would like to open a PDF file, Launcher will not allow access to any PDF viewer that was not added to the canvas or the hidden apps.
- 14 Select **Save** to save the layout.
- 15 Select **Next** to proceed with profile assignment.

Once the profile is on the device, Launcher will automatically apply your configured settings. If no Launcher profile is found on the device, Launcher will display "Profile Not Found" (Launcher 21.10).

## Advanced Launcher Settings

Advanced Launcher settings includes features previously only configurable through custom XML. Learn more about these features in the [documentation for custom XML](#).

Feature	Description
<b>Use Legacy Launcher APIs</b>	Enabling this feature allows Launcher to use Workspace ONE's legacy methods in place of native Android's lock task APIs for device lockdown. Starting with Launcher 4.0, Launcher uses lock task mode by default to restrict device access.
<b>Default to Usage Access</b>	On Samsung devices, Launcher defaults to using the Samsung Focus Monitoring API. This allows Launcher to automatically foreground applications without the user having to grant the Android Usage Access Permission. Disabling this feature on Samsung devices will require users to grant the usage access permission on the first launch of Launcher.
<b>Require Write Settings Permission</b>	Show the "Write Settings Permission" prompt during initial setup. Note, the write settings permission allows users to modify settings you give access to. This permission is already required for screen orientation lock changes to take effect device-wide. By default, the write settings permission is requested when a user attempts to modify settings.
<b>Enable App Data/Cache Clearing</b>	The Workspace ONE UEM console setting labeled "Clear App data on logout" clears the data of all assigned applications after logging out. Admins can specify package IDs to skip clearing.
<b>Enable Admin Mode on CICO Screen</b>	Enable the admin mode option on the check-in check-out screen. Users can exit the Workspace ONE Launcher from the check-in/check-out screen by entering the password specified in XML. After checkout, the admin passcode will be replaced by the end user profile admin passcode. <b>Note:</b> In order for this setting to take affect, this profile must be applied to the staging user.
<b>Allowlist Custom Staging Activities</b>	Allow specific activities that Launcher may otherwise block when on the check-in check-out screen (when Launcher is assigned to the staging user). This includes native popups or UI elements. This feature requires the Appear on Top (Draw Over Other Apps) Permission and Usage Access (or Focus Monitoring on Samsung) Permission. <b>Note:</b> In order for this setting to take affect, this profile must be applied to the staging user.
<b>Allow Dynamic Activities</b>	Allow specific app activities to come to the foreground that Launcher may otherwise block. This includes native popups or UI elements. This feature requires the Appear on Top (Draw Over Other Apps) Permission and Usage Access (or Focus Monitoring on Samsung) Permission. <b>Note:</b> In order for this setting to take affect, this profile must be applied to the staging user.
<b>Add Custom Device Settings</b>	Admins can provide access to any native settings menu by defining the package and class name. These settings will populate as a row item in the Launcher settings page. This feature requires the Appear on Top (Draw Over Other Apps) Permission and Usage Access (or Focus Monitoring on Samsung) Permission.
<b>Customize Single App Floating Button</b>	In Single application mode, Launcher provides a Floating Action button for users to access different launcher settings. You can configure the behavior of this button. This feature requires the Appear on Top (Draw Over Other Apps) Permission.
<b>Add Launcher Branding</b>	Add color branding to Launcher UI elements. When this field is enabled, additional fields to configure displays. Due to an interface redesign in Workspace ONE Launcher 21.09 and above, <b>Title Bar Color</b> , <b>Title Text Color</b> , and <b>Status Bar Color</b> are deprecated features and no longer supported.
<b>Enable Speed Lockdown</b>	Disable access to Launcher when the device is traveling over the specified speed threshold.
<b>Set Launcher as Default after Reboot</b>	Allow Workspace ONE Launcher to open and lockdown the device after reboot regardless of the previous state. By default, if Launcher was in admin mode or un-pinned to the Home Screen before the device was rebooted, the device reboots to the default native Launcher. This setting only applies to Honeywell, Zebra and Samsung devices.

Feature	Description
<b>Remove Floating Home Button Setting</b>	Disable the floating home button. Note, the floating home button serves as an alternative home button when the native home button is unavailable.
<b>Allow Popup Notifications</b>	Admins can generate popup notifications regardless of channel priority. To show popups, the notification bar cannot be disabled. Admins can create popups regardless of how the app sending the notification prioritizes its notification channel.

## Monitoring Workspace ONE Launcher Status

The **Device Details** page in the console displays the status of Workspace ONE Launcher on a device which helps you quickly and easily view and check the Launcher status on multiple devices.

When the Workspace ONE Launcher is pushed to devices under a standard Android deployment, the Launcher is set as the default with no additional steps required from the user. For Android (Legacy), most OEMs will push the Launcher automatically with the help of the signed service such as the Platform OEM Service (POEM).

The Launcher status only displays when the following criteria is met:

- User is multi-user staging user
- Launcher payload is assigned to the device through Profiles or Products.

The status will show as follows:

Status	Description
Launcher is the Home App	Workspace ONE Launcher is set at the default launcher for the devices.
Launcher is not set as the home app or is not installed	This status indicates the profile push failed, did not install, or is not set as the default launcher on the selected device. If Launcher fails, you can check the network requirements for CDN to make sure it is up to date.

## Apps for Workspace ONE Launcher

Workspace ONE UEM classifies applications as internal, public, and miscellaneous and you upload applications depending on the type.

Public and internal apps are pulled from your managed apps list from Apps & Books menu in the Workspace ONE UEM console. Miscellaneous apps are only used for built-in native device apps. You will need the **Application Name** and **Application ID** to allow-list miscellaneous apps.

**Note:** When deploying Workspace ONE Launcher with Android for Work, make sure apps are approved for Android.

## Approve Applications for Android

Approve applications for integration so that you can upload them to the Workspace ONE UEM console.

- 1 Navigate to Google Play for Work, <https://play.google.com/work>.
- 2 Login to the site using an Enterprise account for Google Play for Work.
- 3 Search for applications you want to add to the integration and select the **Approve** option.
- 4 View the permissions for the applications and follow the prompts to confirm approval. Check to make sure the application has been imported after approval.

## Bookmarks

Bookmarks provide users a simple way to access a URL directly from the Workspace ONE Launcher home screen. The end-user sees the bookmark icon and title similar to any other app on the Launcher home screen. When a user taps on a bookmark icon, Launcher navigates to the specified URL.

In addition to navigating to any webpage, you can use these icons to connect to internal content repositories or login screens without having to open a browser and type out a long URL.

Adding bookmarks differ based on the enrollment method of your device fleet.

## How to Add Bookmarks for Android

You can add bookmarks in two ways. To create a web application:

- 1 Navigate to **Resources > Apps > Native > Public > Add Application** and select **Android** from the **Platform** field.
- 2 Select **Next**. The Google Play store appears.
- 3 Once the Google Play store opens, add a web app by using the plus sign in the bottom right.
- 4 Complete the app details, select **Next**, then click on the icon for the web app you just created.
- 5 Assign the web app as you would any other native application.
- 6 To add it to the Launcher screen, navigate to the **Native** tab in the Launcher configuration screen and drag this icon to the home screen.

**Note:** The native web app is only accessible through Google Chrome so be sure to add Google Chrome to the home screen or as a hidden app.

To create a web link:

- 1 Navigate to **Resources > Apps > Web Links > Add Application**
- 2 Select **Android** as the platform.
- 3 Fill in the necessary fields and assign the web link to your target users.

- To add it to the Launcher screen, navigate to the **Bookmarks** filter in the Launcher configuration screen and drag this icon to the home screen.

Note: Modifying a web link bookmark will remove it from the Launcher grid layout and require you to re-add it.

## Template Mode Settings

Template Mode is a customizable mode of Workspace ONE Launcher. You can add apps, images, text, and other layout settings to customize a device locked down in kiosk mode with Template Mode.

### Template Mode Settings- Basic Properties

Setting	Description
Size	Drag the borders of the widget to adjust size of the icon.
Position	Move the widget around the canvas to adjust the placement on the template.

### Template Mode Settings - App Selection

Setting	Description
Filter App List	Search for <b>Public</b> , <b>Internal</b> , or <b>Miscellaneous</b> apps to add to the Launcher profile. For <b>Public</b> and <b>Internal</b> apps, select the desired apps that appear in the filtered list. These apps are pulled from your managed apps list from <b>Apps &amp; Books</b> menu in the Workspace ONE UEM console . The <b>Public</b> and <b>Internal</b> apps are not whitelisted through <b>Miscellaneous</b> apps. <b>Miscellaneous</b> apps are only used for native device apps.
To add Miscellaneous apps	Select <b>Add an App</b> and enter the <b>Application Name</b> and <b>Application ID</b> under the Miscellaneous option. Select the app to add it to the Launcher preview

### Template Mode Settings - Text Properties

Setting	Description
Text	Enter the text display. The default text displays as Label View.
Text Color	Change the text color by selecting the color icons and selecting the desired color.
Background Color	Change the background color by selecting the color icon and selecting the desired color.
Text Position	Align the text in the desired area by selecting the circle from the box.
Font Weight	Select <b>Bold</b> or <b>Normal</b> .
Underline	Select <b>Yes</b> or <b>No</b> to underline the text.
Font Style	Select <b>Normal</b> or <b>Italic</b> .
Font Size	Move the bar to determine the size of the text.

### Template Mode Settings - Background Properties

Setting	Description
Background Image	Select <b>Upload</b> to load an image file from your desktop.
Background Image Size	Select <b>Fit To Wrapper</b> , <b>Keep Original</b> , or <b>Keep Aspect Ratio</b> .
Aspect Ratio Size	Move the bar to determine the aspect ratio. This option only applies if you have selected to <b>Keep Aspect Ratio</b> from the <b>Background Image Size</b> field.
Background Image Position	Align the app in the desired area by selecting the circle from the box.

### Template Mode Settings - App Icon Properties

Setting	Description
App Image Size	Select <b>Fit To Wrapper</b> , <b>Keep Original</b> , or <b>Keep Aspect Ratio</b> .
App Aspect Ratio	Move the bar to determine the aspect ratio. This option only applies if you have selected to <b>Keep Aspect Ratio</b> from the <b>App Icon Size</b> field.
App Icon Position	Align the app in the desired area by selecting the circle from the box.

## Administrative Passcode

The administrative passcode allows users to access the device menu to add applications or to exit from the Workspace ONE Launcher mode. The passcode is required to perform all actions in **Admin Mode** from the device.

The **Preference** tab from each app mode allows you to establish the passcode. The **Persist Admin Passcode If Kiosk Profile is Removed From Device** check box prompts the user for the admin passcode if they are attempting to remove the Launcher profile from their device.

If someone tries to use the Exit Launcher setting from the device and enters the Administrative Passcode incorrectly, the option disappears after 10 unsuccessful attempts, you can restart the device and the option reappears.

There are two use cases for this option:

- **Remove Profile** – Removes the Workspace ONE Launcher profile from the device. This option restricts users from using any launcher apps and the device will be locked down and display a standard screen saver
- **Check In/Check Out** – Displays the **Check Out** credentials page when a user checks in a device after use. The user can access device side functions but not Launcher apps or settings.



# Custom XML for Workspace ONE Launcher

## 2

Use the **Custom Settings** payload to send XML code that enables or disables specific Launcher settings. Some Launcher features can only be configured through XML pushed through the custom settings payload. In addition, many Launcher features are released for configuration through XML before the native toggles are added to the Launcher profile payload.

For each `<characteristic>` tag added under custom settings, define a unique UUID to avoid conflict errors. If two custom settings are targeting the same application and have the same UUID, only one of the settings will be processed on the device.

To avoid conflict errors with Launcher targeted XML, you can add multiple XML parameter tags into one characteristic tag. For example,

```
<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
  <parm name="DisableFocusMonitoring" value="True"/>
  <parm name="WriteSecurePermissionSettings" value="True"/>
</characteristic>
```

Be sure to use the correct characteristic type depending your profile type:

- For Android profiles, use characteristic type = "com.airwatch.android.androidwork.launcher".
- For Android Legacy profiles, use characteristic type = "com.airwatch.android.kiosk.settings".

Below are **Launcher features** admins can enable through custom XML:

This chapter includes the following topics:

- [Use Settings Wi-Fi Action](#)
- [Add Hub To Force Stop Blacklist](#)
- [Hide Settings Option from Single App Floating Action Button](#)
- [Override the duration that Launcher shows the Clearing Data Screen](#)
- [Enable Dark Mode](#)
- [Disable Launcher's Search Bar](#)
- [Enable Flashlight](#)

- Enable Launcher Widgets
- Disable FocusMonitoring API
- Show Popup Notifications
- Hide Enable Notifications Button
- Disable Sensor Orientation
- Speed Lockdown
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- Add Custom Device Settings
- Launcher Branding
- Allowlist Specific App Activities
- Remove Welcome Screen
- Inactivity Timer
- Hot Swap Profile Caching:

- [Allow WebView inside Launcher:](#)
- [Dynamically add shortcuts to Launcher screen:](#)
- [Open Native settings in tablets:](#)
- [Clear Application Defaults](#)
- [Boot Up Launchers](#)

## Use Settings Wi-Fi Action

On some tablets, the Action `WifiManager.ACTION_PICK_WIFI_NETWORK` is not working correctly. To resolve this problem, use this custom XML to force Launcher to uses `Settings.ACTION_WIFI_SETTINGS`.

```
<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
  <parm name="UseSettingsWifiAction" value="True"/>
</characteristic>
```

## Add Hub To Force Stop Blacklist

On some Samsung devices, Workspace ONE Intelligent Hub was force stopping resulting in Workspace ONE Launcher not getting focus monitor broadcasts. Launcher needs these broadcasts to block applications. Use this custom XML to add Workspace ONE Intelligent Hub to the force stop blacklist:

```
<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
  <parm name=" AddHubToForceStopBlacklist" value="true"/>
</characteristic>
```

## Hide Settings Option from Single App Floating Action Button

Available in Workspace ONE Launcher 21.10+

The new single app floating button presents quick access to settings, the Launcher menu, and the logout button. To hide the settings button from the expanded menu, use the following custom XML:

```
<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
  <parm name="HideSingleAppSettingsFab" value="True"/>
</characteristic>
```

## Override the duration that Launcher shows the Clearing Data Screen

Available in Workspace ONE Launcher 21.10+

Launcher shows the clearing data screen while queuing the commands to clear app data. To override the duration that Launcher shows this screen, use the following XML. This may be desired to ensure any asynchronous tasks like profile removal is completed before the next user checks out the device.

```
<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
  <parm name="ClearAppWaitTimeout" value="10"/>
</characteristic>
```

## Enable Dark Mode

Available in Workspace ONE Launcher 21.09 or later

Enable Launcher's dark mode to apply Launcher's dark theme and change the home screen icons and labels to white.

```
<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
  <parm name="EnableDarkTheme" value="True"/>
</characteristic>
```

## Disable Launcher's Search Bar

Available in Workspace ONE Launcher 21.09 or later

Hide Launcher's search bar. The search bar allows users to search for applications on the home screen across pages and folders.

```
<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
  <parm name="DisableSearch" value="True"/>
</characteristic>
```

## Enable Flashlight

Available in Workspace ONE Launcher 21.09 or later

Add the flashlight toggle to the quick access section in the Launcher menu.

```
<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
  <parm name="AllowFlashlight" value="True"/>
</characteristic>
```

# Enable Launcher Widgets

Available in Workspace ONE Launcher 21.09 or later

Launcher widgets allow admins to truly create tailored experiences for their end users. In Launcher 21.09, you can create two types of widgets using custom settings.

## 1 Custom Attribute Widget:

### a Parameters:

- 1 Displayed Title
- 2 Icon Name
- 3 Lookup Value in UEM

## 2 HTML Widget

### a Parameters:

- 1 Displayed Title
- 2 Icon Name
- 3 Height (in px)
- 4 Type ("0" for Minimized, "1" for Descriptive)

Try out our custom settings XML sample.

```
<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
  <parm name="ForYouWidgets" value="
    {
      &quot;ForYouWidgets&quot;;:
      [
        {
          &quot;label&quot;;: &quot;Device UUID&quot;;,
          &quot;type&quot;;: &quot;lookupvalue&quot;;,
          &quot;value&quot;;: &quot;{DeviceUid}&quot;;,
          &quot;icon&quot;;: &quot;ic_media_device&quot;;
        },
        {
          &quot;label&quot;;: &quot;Group Identifier&quot;;,
          &quot;type&quot;;: &quot;lookupvalue&quot;;,
          &quot;value&quot;;: &quot;{GroupIdentifier}&quot;;,
          &quot;icon&quot;;: &quot;ic_media_folder&quot;;
        },
        {
          &quot;label&quot;;: &quot;DeviceOperatingSystem&quot;;,
          &quot;type&quot;;: &quot;lookupvalue&quot;;,
          &quot;value&quot;;: &quot;{DeviceOperatingSystem}&quot;;,
          &quot;icon&quot;;: &quot;ic_media_tasklist&quot;;
        },
        {
          &quot;label&quot;;: &quot;Hub Support&quot;;,
```

```

        &quot;type&quot;: &quot;htmlwidget&quot;;
        &quot;value&quot;: &quot;https://mpaterno.github.io/&quot;;
        &quot;height&quot;: &quot;300&quot;;
        &quot;icon&quot;: &quot;ic_navigation_settings_gear&quot;;
        &quot;viewType&quot;: &quot;0&quot;;
    },
    {
        &quot;label&quot;: &quot;Scan to Fetch Device ID&quot;;
        &quot;type&quot;: &quot;htmlwidget&quot;;
        &quot;height&quot;: &quot;300&quot;;
        &quot;value&quot;: &quot;https://chart.googleapis.com/chart?
chs=150x150&amp;cht=qr&amp;chl={DeviceUID}&quot;;
        &quot;icon&quot;:
        &quot;ic_media_device&quot;;
        &quot;viewType&quot;: &quot;0&quot;;
    }
]
}"/>
</characteristic>

```

## Disable FocusMonitoring API

Available in Workspace ONE Launcher 4.9 or later

On Samsung devices, Launcher defaults to using the Samsung Focus Monitoring API. This allows Launcher to automatically foreground applications without the user having to grant the Android Usage Access Permission. The admin can disable this feature using the following custom XML. Disabling this feature on Samsung devices will require users to grant the usage access permission on the first launch of Launcher.

```

<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-
a041-e5a24acdb7ec">
<parm name="DisableFocusMonitoring" value="True"/>
</characteristic>

```

## Show Popup Notifications

Available in Workspace ONE Launcher 4.8 or later

Admins can generate popup notifications regardless of channel priority using this custom XML. To show popups, the notification bar cannot be disabled. Admins can create popups regardless of how the app sending the notification prioritizes its notification channel.

After Android O, popups will only show if the app sending the notification sets a notification channel to show popups, but this custom XML bypasses that behavior.

For generating popups for all allowed apps:

```

<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-
a041-e5a24acdb7ec">
<parm name="ShowPopupNotification" value="True"/>
</characteristic>

```

For generating popups for specific apps:

```
<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
<parm name="ShowPopupNotification" value="com.application1.package,
com.application2.package"/>
</characteristic>
```

## Hide Enable Notifications Button

Available in Workspace ONE Launcher 4.8 or later

Admins can hide the “Enable Notifications” button from the Launcher dropdown menu by using the following custom XML.

```
<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
<parm name="AllowEnableNotification" value="False"/>
</characteristic>
```

## Disable Sensor Orientation

Available in Workspace ONE Launcher 4.8 or later

Use this setting to prevent the device from switching to reverse portrait mode or reverse landscape orientation. To ensure this permission has been granted, admins can push the prompt write setting permission custom XML.

This feature requires the write settings permission to set orientation device-wide.

```
<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
<parm name="DisableSensorOrientation" value="True"/>
</characteristic>
```

## Speed Lockdown

Available in Workspace ONE Launcher 4.7 or later

Use this custom XML to block device access when exceeding a specified speed threshold.

```
<parm name="SpeedLockdownSettings" value="{&quot;speed&quot;:&quot;20&quot;;
&quot;unit&quot;:&quot;0&quot;; &quot;timeThreshold&quot;:&quot;10000&quot;;
&quot;troubleshootPasscode&quot;:&quot;1234&quot;; &quot;headerText&quot;:&quot;Too
Fast&quot;; &quot;messageText&quot;:&quot;Stop to unlock&quot;;}" />
```

The default values are as followed:

- Unit = 1 (m/h)
- TimeThreshold = 5000 (5 seconds)

- HeaderText = "Device Locked"
- MessageText = "Come to a complete stop to unlock device"

The accepted values are as followed:

- Speed > 0
- Unit = 0 - km/h , 1 - m/h (default = m/h)
- TimeTheshold > 0 (in milliseconds)
- TroubleshootPasscode (length > 0)
- HeaderText (length > 0 chars < 15 chars)
- MessageText (length > 0 chars < 30 chars)

## Write Settings Permission

Available in Workspace ONE Launcher 4.6 or later

Use this custom XML to show the "Write Settings Permission" prompt during initial setup. Note, the write settings permission allows users to modify settings you give access to. This permission is already required for screen orientation lock changes to take effect device-wide. By default, the write settings permission is requested when a user attempts to modify settings.

```
<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
    <parm name="WriteSecurePermissionSettings" value="True"/>
</characteristic>
```

## Skip overlay permission screen

Available in Workspace ONE Launcher 4.6 or later

Use this custom XML to hide the "Draw over other apps permission" prompt during initial setup. Note, the draw over permission is required for adding overlays and blacklisting apps. Using Launcher without the Draw over permission (or Appear on Top permission) could disable Launcher's ability to block restricted applications and features.

```
<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
    <parm name="SkipOverlayPermissionScreen" value="True"/>
</characteristic>
```

## Actionbar Settings

Available in Workspace ONE Launcher 4.6 or later



You can customize the CICO action bar's behavior by using the following custom XML.

- 1 If you would like to retain the value of the action bar title from the previous user, set the `retainChildTitle` parameter to `True`. Note, retaining the child title will also retain calculated lookup values from the previous user.
- 2 The `defaultTitle` parameter defines the title value for when no previous user has yet checked out the device.

```
<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
    <parm name="ActionBarSettings"
value="{&quot;retainChildTitle&quot;:&quot;True&quot;;, &quot;defaultTitle&quot;:&quot;Vmware
- Airwatch&quot;}" />
    </characteristic>
```

## Wallpaper Scale Type

Available in Workspace ONE Launcher 4.5 or later

By default, Launcher stretches the Home Screen wallpaper to fit the different aspect ratios for landscape or portrait. Use the following custom XML to define different wallpaper scale methods for landscape and portrait.

```
<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
    <parm name="WallpaperScaleType"
value="{&quot;portraitScaleType&quot;:&quot;FIT_CENTER&quot;;,
&quot;landscapeScaleType&quot;:&quot;FIT_XY&quot;}" />
    </characteristic>
```

## Staging Admin Passcode

Available in Workspace ONE Launcher 4.4.1 or later

Use this custom XML to enable the admin mode option on the check-in check-out screen. Users can exit the Workspace ONE Launcher from the check-in/check-out screen by entering the password specified in XML. After checkout, the admin passcode will be replaced by the end user profile admin passcode. Assign this custom XML to the staging user:

```
<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
    <parm name="StagingAdminPasscode" value="1234" />
    </characteristic>
```

## Allowlist Activities on Check-in Check-out Screen

Available in Workspace ONE Launcher 4.4 or later

Allow specific activities that Launcher may otherwise block when on the check-in check-out screen (when Launcher is assigned to the staging user). This includes native popups or UI elements. Use the following custom XML by specifying the package name and class name. Assign this custom XML to the staging user.

This feature requires the Appear on Top (Draw Over Other Apps) Permission and Usage Access (or Focus Monitoring on Samsung) Permission.

```
<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
<parm name="AllowStagingActivities" value="{&quot;AllowStagingActivities&quot;;:
[ {&quot;pName&quot;;: &quot;com.android.settings&quot;;,&quot;cName&quot;;:
&quot;com.android.settings.LanguageSettings&quot;;},
{&quot;pName&quot;;: &quot;com.android.settings&quot;;,&quot;cName&quot;;:
&quot;com.android.settings.WifiPicketActivity&quot;;} ]}"/>
</characteristic>
```

## Allow Log Collection

Available in Workspace ONE Launcher 4.4 or later

If admin wants to collect logs for a certain use case or in certain scenarios, use this custom XML and request the debug logs from the Workspace ONE UEM console:

```
<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec"><parm name="AllowLogCollection" value="True"/></characteristic>
```

## Allow Staging Profile

Available in Workspace ONE Launcher 4.2.1 or later

If the customer assigns a single profile to all the users at the parent Organization Group level, then use this custom XML:

```
<characteristic type="com.airwatch.android.androidwork.launcher"
    uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec"><parm name="AllowStagingProfile"
    value="True"/></characteristic>
```

The above custom setting has multiple parameters:

- **activityName:** When this parameter is added the overlay appears only when the settings are accessed through the particular activity.
- **portraitpercentage:** This parameter configures the overlay percentage in portrait mode.
- **transparency:** This parameter configures the overlay transparency in terms of percentage.
- **landscapePercentage:** This parameter configures the overlay percentage in landscape mode.

## Force Reset Launcher Layout on Profile Update

Available on Workspace ONE Launcher 4.2 or later

Use this custom XML to reset the Launcher Home Screen layout to the admin configured layout with every profile update. By default, Launcher preserves any app rearrangement on the device after profile updates.

```
<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
  <parm name="AllowProfileReset" value="True"/>
</characteristic>
```

## Set Launcher as Default after Reboot

Available on Workspace ONE Launcher 4.2 or later

This custom XML allows Workspace ONE Launcher to open and lockdown the device after reboot regardless of the previous state. By default, if Launcher was in admin mode or un-pinned to the Home Screen before the device was rebooted, the device reboots to the default native Launcher. This setting only applies to Honeywell, Zebra and Samsung devices.

In cases where the launcher opens after a delay, the length of time can be defined in seconds in the XML below:

```
<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
  <parm name="AllowLaunchOnReboot" value="5"/>
</characteristic>
```

## Allow Staging Settings

Available in Workspace ONE Launcher 4.1 or later

In Workspace ONE Launcher, the option of toggling Wi-Fi is only available in the staging screen. If a user wants to configure Wi-Fi settings, long press on the Wi-Fi icon to launch the native Wi-Fi settings. Since this setting has to be accessed in the staging screen, the below custom xml must be pushed for the staging user (parent organization group). This can be configured by using below flag.

Enabling access to a specific settings page requires the Appear on Top (Draw Over Other Apps) Permission.

```
<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
  <parm name="AllowStagingSettings" value="True"/></characteristic>
```

## Customize Floating Home Button

Available with Workspace ONE Launcher 4.0 or later

Admins can enable Launcher's floating home button to serve as a dedicated home button when the native home button is unavailable. Note, the floating home button only applies to multi-app and template mode.

By default, Launcher running on Android 8 and below devices does not support displaying a home and recent apps button. In this case, Launcher defaults to displaying the floating home button.

Note, admins can enable Launcher's legacy methods to re-enable the home and recent apps button (see [Enable Launcher's Legacy Methods](#)).

```
<characteristic
    type="com.airwatch.android.androidwork.launcher"
    uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec"><parm name="HomeFloatingButtonSetting"
value="{&quot;Size&quot;:&quot;Small&quot;,&quot;Color&quot;:&quot;#F377F7&quot;,&quot;TimeToFade&quot;:&quot;5&quot;,&quot;FadeValue&quot;:&quot;3&quot;}"
/></characteristic>
```

Admins can customize the floating home button using this custom XML.

- **Size:** Indicates the size of the Floating Home button. The possible values: Small, Medium, Large.
- **TimeToFade:** Indicates the time in seconds for Floating Home button to fade away.
- **Color:** Indicates the color of the Floating Home button. color must be specified in a Hex code Eg: #F377F7.
- **FadeValue:** Indicates the amount of fading required.

## Remove Floating Home Button

Available with Workspace ONE Launcher 4.0 or later

Use the following custom XML to disable the floating home button.

Note, the floating home button serves as an alternative home button when the native home button is unavailable.

```
<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
<parm name="RemoveHomeFloatingButtonSetting" value="True"/></characteristic>
```

## Enable Floating Home Button

Available with Workspace ONE Launcher 4.0 or later

On some devices, the native Android home button may be inaccessible. You can use this custom XML to manually display a floating home button in multi-app mode.

```
<characteristic type="com.airwatch.android.androidwork.launcher"
    uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec"><parm name="AllowHomeFloatingSetting"
value="True"/></characteristic>
```

## Customize Single App Floating Action Button

Available with Workspace ONE Launcher 4.0 or later

In Single application mode, Launcher provides a Floating Action button for users to access different launcher settings. This button can be configured by using the below setting:

This feature requires the Appear on Top (Draw Over Other Apps) Permission.

```
<characteristic
    type="com.airwatch.android.androidwork.launcher"
    uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec"><parm name="SingleAppFloatingButtonSetting"
value="{&quot;Size&quot;::&quot;Small&quot;;,&quot;Timeout&quot;::&quot;2&quot;;,&quot;FixPosition&quot;::&quot;true&quot;}"></characteristic>
```

- **Size:** Indicates the size of the floating action button. Possible values: Small, Medium, Large.
- **Timeout:** Indicates the time in seconds for floating button to fade away. Should be an integer only.
- **FloatingTimeoutValue** custom flag is now deprecated from version 4.0 instead we should use this flag.
- **FixPosition:** When enabled, the user cannot move the floating action button. It is positioned at the right end corner. This setting replaces the `FixSettingsPosition` from previous versions.

## Allow Localized App Names

Available with Workspace ONE Launcher 4.0 or later

By default, application names in Launcher populate according to the app name set in the console. Use this custom XML to localize app names based on the device's language setting.

```
<characteristic
    type="com.airwatch.android.androidwork.launcher"
    uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec"><parm name="AllowLocalizedAppNames"
value="True"/></characteristic>
```

## Skip Usage Access Permission

Available with Workspace ONE Launcher 4.0 or later

Admins use Launcher to prevent access to blocked apps and content. To detect which app is in the foreground, Launcher uses the advanced permission, **usage access**. On initial setup, if Launcher cannot grant the permission on behalf of the user, Launcher prompts the user to manually grant the permission. Some device OEMs require device end users to grant apps with usage access permission on their devices.

Admins can use this custom XML skip the usage access permission prompt. However, by doing so, Launcher may not gain usage access and may not be able to block manage device access.

```
<characteristic
  type="com.airwatch.android.androidwork.launcher"
  uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec"><parm name="SkipUsageAccessPermission"
value="True"/>
</characteristic>
```

## Use Legacy Launcher Methods (Skip COSU Setup)

Available with Workspace ONE Launcher 4.0 or later

Enabling this feature allows Launcher to use Workspace ONE's legacy methods in place of native Android's lock task APIs for device lockdown. Starting with Launcher 4.0, Launcher uses lock task mode by default to restrict device access.

```
<characteristic
  type="com.airwatch.android.androidwork.launcher"
  uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec"><parm name="SkipCosuSetup"
value="True"/></characteristic>
```

Devices running Android 8 and older may have the status bar, home button, and recent tasks button disabled by default while in lock task mode. Other apps on the device may also require control over lock task mode. In these cases, admins can enable Launcher's legacy methods using this custom XML to manage legacy devices or ensure Launcher works correctly with other lock task apps.

## Selective App Cache Clearing

Available with Workspace ONE Launcher 3.3 or later

The Workspace ONE UEM console setting labeled "Clear App data on logout" clears the data of all assigned applications after logging out. Admins can specify package IDs to skip clearing by using the following XML:

```
<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
  parm name="DonotClearAppDataSet" value="com.airwatch.browser,com.samsung.klmsagent"/>
</characteristic>
```

## Restrict Folder Renaming

Available with Workspace ONE Launcher 3.3 or later

Admins can restrict users from renaming folders by using the following custom XML. By default, Launcher enables users to rename and rearrange the app canvas.

```
<characteristic type="com.airwatch.android.androidwork.launcher"
    uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec"><parm name="DisableFolderRename"
value="True"/></characteristic>
```

## Add Custom Device Settings

Available with Workspace ONE Launcher 3.2 or later

Admins can provide access to any native settings menu by defining the package and class name. These settings will populate as a row item in the Launcher settings page.

This feature requires the Appear on Top (Draw Over Other Apps) Permission and Usage Access (or Focus Monitoring on Samsung) Permission.

Required Parameters:

- `SettingName` to be displayed on Launcher settings screen.
- `Packagename` and `classname` or `Action name` of the desired native setting.

Settings activity actions can be found in [Android Settings Documentation](#). Use the Constant Value for the action value.

If only Action is used:

```
<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
    <parm name="CustomSettings" value="
    {
        &quot;CustomSettings&quot;;: [
            {
                &quot;name&quot;;: &quot;Location Settings&quot;;,
                &quot;action&quot;;:
&quot;android.settings.LOCATION_SOURCE_SETTINGS&quot;;
            }
        ]
    }"/>
</characteristic>
```

If `packageName` and class name is used:

```
<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
    <parm name="CustomSettings" value="
    {
        &quot;CustomSettings&quot;;: [
            {
```

```

                &quot;name&quot;;: &quot;Manage Applications Settings&quot;;,
                &quot;pName&quot;;: &quot;com.android.settings&quot;;,
                &quot;cName&quot;;:
&quot;android.settings.MANAGE_APPLICATIONS_SETTINGS&quot;;
            }]
        }"/>
</characteristic>

```

For additional information, please see the [Android Developer Settings](#) page.

## Launcher Branding

Available with Workspace ONE Launcher 3.2 or later

Provides a proper combination of Action Bar color and Status Bar color (Light and dark) as recommended by Google. You may set different colors according to you company's brand colors .

Auto Branding: If you do not want to specify individual colors you can use this flag. In order for this to work, title bar icon (logo) must be present. The extracted colors for branding are from the company logo.

To enable and implement this feature the below flag must be pushed down through the custom settings payload:

```

<characteristic type="com.airwatch.android.androidwork.launcher"
    uuid="eadfebd8-7f4c-4837-b9dd-dfcf31bd84e6">
  <parm name="AllowAutoBranding"
    value="true" />
</characteristic>

```

To personalize, then you can specify the title bar color, title text color, primary accent color, status bar color, and highlight color. Colors must be specified in hexadecimal color format:

```

<characteristic type="com.airwatch.android.androidwork.launcher"
    uuid="eadfebd8-7f4c-4837-b9dd-dfcf31bd84e6"><parm name="AllowBranding"
    value="
{&quot;titleColor&quot;;:&quot;#FC002E&quot;;,&quot;titleTextColor&quot;;:
&quot;#F377F7&quot;;,&quot;accentColor&quot;;:&quot;#36E712&quot;;,&quot;highlightColor&quot;;:&quot;
ot;#4E993E&quot;;,&quot;statusBarColor&quot;;:&quot;#FC002E&quot;;}" />
</characteristic>

```

## Allowlist Specific App Activities

Available with Workspace ONE Launcher 3.2 or later

Allow specific app activities to come to the foreground that Launcher may otherwise block. This includes native popups or UI elements. Use the following custom XML by specifying the package name and class name.



This feature requires the Appear on Top (Draw Over Other Apps) Permission and Usage Access (or Focus Monitoring on Samsung) Permission.

```
<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
  <parm name="CustomActivities" value="
    {
      &quot;CustomActivities&quot;;: [
        {
          &quot;pName&quot;;: &quot;com.android.settings&quot;;,
          &quot;cName&quot;;:
&quot;com.android.settings.localepicker.LocalePickerWithRegionActivity&quot;;
        },
        {
          &quot;pName&quot;;: &quot;com.android.settings&quot;;,
          &quot;cName&quot;;:
&quot;com.android.settings.Settings$WifiNetworkDetailsActivity&quot;;
        }
      ]
    }"/>
</characteristic>
```

## Remove Welcome Screen

Available with Workspace ONE Launcher 3.2 or later

In older versions, Launcher displays a welcome screen when it is pushed to the device. This can be removed by clicking the “Dismiss” (Cancel) button on the right lower corner. The below flag can be used to remove the Welcome screen.

```
<characteristic type="com.airwatch.android.androidwork.launcher"
  uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
  <parm name="RemoveWelcomeScreen"
    value="True"/>
</characteristic>
```

## Inactivity Timer

Available with Workspace ONE Launcher 3.2 or later

Admins can specify an amount of time in which the device will automatically lock the Launcher screen and require the previously signed in user to re-enter their password to re-access the Launcher screen. If a new user wants to unlock a device that is locked into another users account, they can log out the previous user and sign in as themselves.

Note, this feature is not compatible with Workspace ONE Access CICO Integration.

To enable and implement this feature, the setting must be pushed down through the custom settings payload:

```
<characteristic type="com.airwatch.android.androidwork.launcher"
  uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
```

```
<parm name="InActivityLock"
      value="True"/>
</characteristic>
```

Admins can also specify a list of apps that can run in the foreground while the inactivity lock is enabled. (Requires 21.09 or later)

```
<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
  <parm name="InActivityLock" value="com.android.chrome, com.demo.application"/>
</characteristic>
```

Admins can specify the timeout value in minutes using the following extra parameter.

```
<characteristic type="com.airwatch.android.androidwork.launcher"
  uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
  <parm name="InActivityLock"
    value="True"/>
  <parm name="InActivityTimeout"
    value="10"/>
</characteristic>
```

## Hot Swap Profile Caching:

Available with Workspace ONE Launcher 3.2 or later

As check in/check out is done frequently, users often check out the same device but have to wait for a considerable amount of time for the profile to get applied after checking out. Workspace ONE can expedite this by caching profile per user when the user checks out that particular device for the first time.

Note, user profile caching is only supported via UEM basic user authentication.

To enable and implement this feature, the setting must be pushed down through the custom settings payload:

```
<characteristic type="com.airwatch.android.androidwork.launcher"
  uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
  <parm name="CacheProfile"
    value="True"/>
</characteristic>
```

## Allow WebView inside Launcher:

Available with Workspace ONE Launcher 3.2 or later

Launcher's built in web view is disabled by default, requiring a browser to be installed and allowed to open web bookmarks. Admins can enable the built-in browser using the following custom XML.

```
<characteristic type="com.airwatch.android.androidwork.launcher"
  uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
  <parm name="AllowBuiltInBrowser"
```

```
value="True"/>
</characteristic>
```

## Dynamically add shortcuts to Launcher screen:

Available with Workspace ONE Launcher 3.2 or later

Admins can display a shortcut to an app activity on Launcher's home screen by using the below flag by specifying the "shortcut name, package name, activity name" or "shortcut name, action name".

```
<characteristic type="com.airwatch.android.androidwork.launcher" uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
<parm name="CustomShortcuts" value="{&quot;CustomShortcuts&quot;;
[{{&quot;name&quot;;:&quot; Manage Applications
Settings&quot;;,&quot;pName&quot;;:&quot;com.android.settings&quot;;,&quot;cName&quot;;:
&quot;com.android.settings.Settings$DateTimeSettingsActivity&quot;}},
{{&quot;name&quot;;:&quot; Locale Settings&quot;;,&quot;pName&quot;;:
&quot;com.android.settings&quot;;,&quot;cName&quot;;:
&quot;com.android.settings.Settings$LocalePickerActivity&quot;}}}" />
</characteristic>
```

## Open Native settings in tablets:

Available with Workspace ONE Launcher 3.2 or later

In some of the tablets, native settings such as Wi-Fi, Bluetooth, Language etc. are opened in a fragmented view which allows users to access other settings as well, in such a case user can easily get out of launcher. So, by default, Launcher does not allow users to open settings unless they use the below flag. If the admin thinks that it is safe to open native settings in that particular tablet then he can use this flag and all the native settings which are allowed can be accessed. This is usually used along with dynamically allowed list settings flag (CustomSettings), custom shortcuts, custom activities and for notification access.

```
<characteristic type="com.airwatch.android.androidwork.launcher"
    uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
<parm name="CanLaunchNativeSettings"
    value="True"/>
</characteristic>
```

If you on want a particular native setting to be accessed and not other settings, use the flag: `forceLaunch`. This flag is used individually with each setting. If admin uses the flag: `canLaunchNativeSettings`, then all the allowed native settings can be accessed. If you want a particular setting, use the `forceLaunch` flag. This is usually used along with dynamically allow list setting flag (CustomSettings), custom shortcuts, custom activities and for notification access.

```
<characteristic type="com.airwatch.android.androidwork.launcher"
    uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
<parm name="CustomShortcuts"
```

```

        value="{&quot;CustomShortcuts&quot;;: [
    {&quot;name&quot;;: &quot;Manage Applications
        Settings&quot;;, &quot;forceLaunch&quot;;: &quot;true&quot;;, &quot;pName&quot;;:
        &quot;com.android.settings&quot;;, &quot;cName&quot;;:
        &quot;com.android.settings.Settings$DateTimeSettingsActivity&quot;;},
    {&quot;name&quot;;:
        &quot;Locale Settings&quot;;, &quot;pName&quot;;:
        &quot;com.android.settings&quot;;, &quot;cName&quot;;:
        &quot;com.android.settings.Settings$LocalePickerActivity&quot;;}
    ]}&quot;}/></characteristic>

```

In the above XML (Customshortcuts) both Manage Applications and Locale Settings shortcuts will be visible on the Launcher screen, but users can only access Manage Application settings since it uses the `forceLaunch` flag.

The flags `forceLaunch` or `canLaunchNativeSettings` must be present for custom settings to be visible on Launcher settings screen.

## Clear Application Defaults

Available with Workspace ONE Launcher 3.2 or later

When opening a media file, Android presents a dialog with all the applications which support that particular format. If an end-user chooses an application as the default application, then files of the same media type are opened by this default application. Admins can configure Launcher to clear application defaults on session check-ins.

This API is only supported by certain OEMs. We recommend testing your use case before deployment.

```

<characteristic type="com.airwatch.android.androidwork.launcher"
    uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
  <parm name="AllowClearAppDefaults"
    value="True"/>
</characteristic>

```

In some devices, Workspace ONE cannot clear application defaults automatically. For those cases, admins can present the user with a prompt to clear application defaults manually. This will navigate the user to a native settings screen to clear the application defaults.

```

<characteristic type="com.airwatch.android.androidwork.launcher"
    uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
  <parm name="CannotClearAppDefaults"
    value="True"/>
</characteristic>

```

## Boot Up Launchers

Available with Workspace ONE Launcher 3.2 or later

There are some boot up application which run after the device is restarted. These boot up applications are getting allowed even though they are not allowed on the UEM console. Workspace ONE maintains a list of allowed applications in the Launcher profile, but after reboot Workspace ONE Launcher takes some time to load this profile.

To prevent the application from being allowed, you can provide the package name of all the boot up application which are to be allowed.

```
<characteristic type="com.airwatch.android.androidwork.launcher"
    uuid="568bc89d-1df8-4ce9-a041-e5a24acdb7ec">
  <parm name="BootupLauncher"
    value="com.sonyericsson.initialbootsetup, com.sonyericsson.setupwizard,
    com.honeywell.systemtools.autoinstall/>
</characteristic>
```

# Launcher Device Settings Matrix for Android Deployment

## 3

The **Settings** section of each VMWare Launcher allows you to set an administrative passcode, establish icon settings, and enable/disable various functions of the Launcher profile for Android device owner deployment. Available preferences vary based on the selected mode you are configuring.

The following matrix compares the Launcher device capabilities across the different app modes. Some settings are dependent on additional factors such as permissions and COSU mode limitations and are denoted as such.













































Key:

- Usage Access: Requires Usage Access permission.
- COSU mode: COSU setup removes certain features for security to prevent users escaping out of Lock mode.

**Note:** Usage Access permission is only required on non-Samsung devices. Usage Access permission for Samsung devices is a native feature requiring no prompt on the following devices:

- Samsung SAFE MDM 5.4
- For Android (Legacy) Work Profile - Launcher 3.0 and Workspace ONE Intelligent Hub 7.1 is required.
- For Android Work Managed devices - Launcher 3.0 and Workspace ONE Intelligent Hub 9.0.1 is required.

Category	Preference	Single App	Multi App	Template Mode
App Icons	Allow Hub Icon on Home Screen		■	
App Icons	Allow Phone Icon		■	
App Icons	Allow Contacts Icon		■	
Settings	Display Setting	■	■	■
Settings	Sound Setting	■	■	■
Settings	Screen Lock (Usage Access)	■	■	■
Settings	Language Setting (Usage Access)	■	■	■

Category	Preference	Single App	Multi App	Template Mode
Settings	Bluetooth Setting (Usage Access)			
Settings	Wi-Fi Settings (Usage Access)			
Settings	Security settings (Usage Access)			
Settings	Application Setting			
Settings	Allow Tethering Setting (Usage Access)			
Settings	Allow GPS Setting (Usage Access)			
Utilities	Allow Widgets			
Utilities	Allow Keyguard (Android 9.0+)			
Utilities	Allow Home Button (Android 9.0+)			
Utilities	Allow App Manager (Android 6.0 and Android 6.0.1)			
Utilities	Allow Task List (COSU)			
Utilities	Allow Bar (COSU)			
Utilities	Allow Airplane Mode			
Utilities	Allow Stay Awake			
Quick Launch Icons	Bluetooth			
Quick Launch Icons	Wi-Fi			

# Launcher Device Settings Matrix for Android (Legacy) Deployment

# 4












































The **Settings** section of each Workspace ONE Launcher allows you to set an administrative passcode, establish icon settings, and enable/disable various functions of the Launcher profile. Available preferences vary based on the selected mode you are configuring.

The following matrix compares the Workspace ONE Launcher Workspace ONE Launcher capabilities across the different app modes.

Supported Android 4.4 and below devices only

Category	Preference	Single App	Multi App	Template Mode
App Icons	Allow Hub Icon on Home Screen			
App Icons	Allow Phone Icon			
App Icons	Allow Contacts Icon			
Settings	Display Setting			
Settings	Sound Setting			
Settings	Screen Lock	*		
Settings	Language Setting	*		
Settings	Bluetooth Setting	*		
Settings	Wi-Fi Settings			
Settings	Security settings	*		
Settings	Application Setting			
Settings	Allow Cellular Data Setting (Android 4.4 and Below)	*		
Settings	Allow Tethering Setting	*		
Settings	Allow GPS Setting			
Utilities	Allow Widgets			
Utilities	Allow App Manager			
Utilities	Allow Recent Task List	*		



Category	Preference	Single App	Multi App	Template Mode
Utilities	Allow Status Bar (Safe v3.0+)			
Utilities	Allow Notification Bar			
Utilities	Allow Navigation Bar (Safe v3.0+)			
Utilities	Allow Mini Launcher Bar (Safe v3.0+)			
Utilities	Allow Airplane Mode (Android 4.1 and below Safe v5+)			
Utilities	Allow Stay Awake			
Hardware Keys	Allow Home Button (Safe v3.0+)			
Hardware Keys	Allow Back Button (Safe v3.0+)			
Hardware Keys	Allow Options Button (Safe v3.0+)			
Hardware Keys	Allow Volume Up Button (Safe v3.0+)			
Hardware Keys	Allow Volume Down Button (Safe v3.0+)			
Quick Launch Icons	Allow GPS (Safe v3.0+)			
Quick Launch Icons	Bluetooth			
Quick Launch Icons	Wi-Fi			
Quick Launch Icons	Cellular Data (Android 4.4 and below)	 *		

# Using Workspace ONE Launcher

# 5

After successfully configuring and deploying Workspace ONE Launcher to your fleet of devices, the app is now ready to be used in your organization.

Depending on the device, OS being used, and the version of Workspace ONE Launcher, the profile may require the user to grant app permissions and set Workspace ONE UEM as the default launcher. Granting app permissions allows Workspace ONE UEM console to push launcher settings to control the device, and setting Workspace ONE Launcher as the default overrides the native launcher on the device.

Once users have prepared their devices, they can further customize the layout by adding folders and widgets, and other elements. Admin mode allows users to access higher privileges such as creating shortcuts and other settings in preferences.

Admins set preferences that determine the available customization settings on Launcher devices during Workspace ONE Launcher setup. Settings such as: adding a folder, moving an icon, and swapping the position of an icon, folder or widget can be changed by the end user. View the available preferences in Launcher Device Settings Matrix for Android Deployment and Launcher Device Settings Matrix for Android (Legacy) Deployment.

By default, any changes the user makes to the Workspace ONE Launcher set up, as allowed by the admin in the device preferences, remains on the device in the event the Workspace ONE Launcher is reloaded, admin pushes the profile again, or user exits Launcher. If the admin has to re-push the Workspace ONE Launcher profile that includes changes to the preferences, the new profile overrides any changes the user has made only in the case where the configurations conflict. For example, if the user rearranges the icon on the screen and then the admin has disabled that feature in the latest version of the profile, the icons revert to the original position. Another example is if the user has moved around the icons as allowed by the admin and then the admin updates the profile so that there is a different icon in one of the positions, the admin's icon will be retained at that position.

This chapter includes the following topics:

- [Device Requirements](#)
- [Prepare Launcher Devices for Deployment](#)
- [Using Launcher in Offline Mode](#)
- [View Status Bar](#)

- [View Notifications](#)
- [Ghost Icons](#)
- [Device Settings](#)
- [Admin Mode](#)

## Device Requirements

The following tables break down the requirements by Workspace ONE Launcher version and Android OS and also breaks down the requirements by Android setup.

### Android Requirements

Launcher Version	Android 5.0 and Below Required Additional End User Steps	Android 6.0 Required Additional End User Steps
Workspace ONE Launcher 2.1+ (SAFE)	No setup required	Grant permission required
Workspace ONE Launcher 2.1+ (Non-SAFE)	Users have to clear the device's native launcher and set AirWatch as default launcher.	Grant permission required. Users have to clear s native launcher on the device and set AirWatch as the default launcher.
Launcher 2.0.1 & Below-SAFE	No setup required	Not supported
Launcher 2.0.1 & Below- Non-SAFE	No setup required	Not supported

### Android versus Android(Legacy) Setup

Launcher Version	Android Required Additional End User Steps	Android (Legacy)Required Additional End User Step
COSU Mode	Configurable	Not applied
Default Launcher	Automatic	User acceptance required
Notification Access Permission	Configurable	Configurable
Shared Device	Supported	Supported
Usage Access Permission	Configurable	Configurable

## Prepare Launcher Devices for Deployment

Once the Workspace ONE Launcher profile is pushed to user devices, users have to grant app permissions which allow the profile to access features on the device and set Workspace ONE Launcher as the default launcher.

- 1 Wait for the Workspace ONE LauncherWorkspace ONE Launcher profile to be pushed to device and open the Launcher once installed.
- 2 Tap **Grant** on the "Launcher requires permission" screen.

- 3 Toggle **Permit Usage access** on. Usage access grants the Workspace ONE Launcher app permission to track what other apps are being used, how often, operator, language settings, and additional details.
- 4 Navigate to **Settings > Launcher > App Info**.
- 5 Tap **Clear Defaults** under the "Launch by Default" section.
- 6 Tap **Workspace ONE Launcher** on the Select a Home app prompt.

## Using Launcher in Offline Mode

Offline Mode is used when devices are being used in check-in check-out mode and allows users to continue their work even when they are unable to log in as themselves or are in areas where network connectivity is unstable.

This setting is applied to both end-users, the staging user, or an organization group that includes both. Assigning to all users ensures the Offline Mode profile is present when moving between users.

**Note:** You will need to create two different Launcher profiles to correctly enable Offline Mode. Create one Launcher profile and enable Offline Mode for the staging user and then a standard profile for end users to be used outside of the Offline Mode.

Enable Offline Mode in Step 6 of the Configure Launcher profile section. Once a user attempts to log in and server connection is not detected, they will select **Use Offline Mode** to continue using Launcher in offline mode. Any changes made while using offline mode are not saved.

**Note:** Offline Mode only works when Launcher detects a lack of connectivity on the login screen. If the device loses connectivity after the device is checked out, future check in attempts may still fail until connectivity is restored as offline mode does not apply.

## View Status Bar

Users cannot view the status bar or Workspace ONE Launcher action bar on their device when devices are locked into Template mode. Users can swipe down the screen to display the status bar.

- 1 Navigate to **Devices > Profiles > List view > Add > Add Profile > Android > Device > Launcher > Configure > Template Mode**.
- 2 Select **Preferences** and enable **Allow Status Bar** and **Allow Mini Launcher Bar**.

## View Notifications

Notifications for different applications display inside Workspace ONE Launcher.

Available notifications display as an alert on the Options menu.

- 1 Tap the alert.

- 2 View notifications from the Options menu.
- 3 Open the specified app by tapping the notification.

## Ghost Icons

**Ghost Icons** are placeholder icons for apps that are whitelisted for user but are not installed on the device.

In the Workspace ONE UEM console you may have whitelisted ten applications but only five are installed on the device. Users can see icon placeholders for the apps that are not installed. Depending on the app mode that has been configured, the behavior of the ghost icons vary:

App Mode	Behavior
Single App Mode	For public applications, users tap the icon and are redirected to the Google Play Store to download the app. For internal application, users tap the icon and are redirected to the AirWatch Catalog too download the app.
Multi App Mode	For public applications, users tap the icon and are directed to the Google Play store to download the app.
On Demand	Ghost icon displays on device until user taps it to start download.
Auto Push	Ghost icon will display on device and app is automatically installed as the Launcher profile is deployed to devices.

Even if the Play Store has not been whitelisted in the Workspace ONE UEM console, it is temporarily whitelisted to allow the users to download the app. Once downloaded, the app appears and is ready for use.

## Device Settings

Users can access native device settings from the **Options** menu and adjust them according to their business needs.

Setting	Description
Sound	Adjust the volume levels.
Display	Adjust brightness and set sleep timer.
Applications	Uninstall applications.
Wi-Fi	Connect the device to a Wi-Fi network.
Cellular Data	Enable the use of network data over Wi-Fi. Not available while running Workspace ONE Launcher on Android 5.0 devices.
Bluetooth	Pair a Bluetooth device. Not available while running Workspace ONE Launcher on Android 5.0 devices.
Location	Enable GPS services. Not available while running Workspace ONE Launcher on Android 5.0 devices.

Setting	Description
<b>Security</b>	Set device administrator settings. Not available while running Workspace ONE Launcher on Android 5.0 devices.
<b>Language</b>	Determine the language and input options. Not available while running Workspace ONE Launcher on Android 5.0 devices.
<b>Tethering</b>	Connect the device as a mobile hotspot. Not available while running Workspace ONE Launcher on Android 5.0 devices.
<b>Screen Lock</b>	Configure screen lock settings such as a PIN or password. Not available while running Workspace ONE Launcher on Android 5.0 devices.
<b>App Manager</b>	View running applications and use the <b>Kill app</b> option to force stop.
<b>Denied Apps</b>	Displays a list of apps the user attempted to open from within an allowed app so admins can choose to allow those apps as needed.
<b>User Information</b>	Displays user information.
<b>About</b>	Shows version information, privacy policy, and legal agreement.
<b>Help</b>	Opens the tutorial for onboarding.

## Admin Mode

Admin mode grants privileges that allow users to perform admin tasks from the Workspace ONE Launcher profile on the device without having to exit the launcher. You can also use Admin Mode to enable a feature, troubleshoot a problem, or exit AirWatch app.

This mode is passcode protected, which you can configure in the **Preferences** section of the app mode. Admin mode is only available for Multi App and Template modes.

The Preference tab from each app mode allows you to establish the Admin passcode. The **Persist Admin Passcode If Kiosk Profile is Removed From Device** check box prompts the user for the admin passcode if they are attempting to remove the Launcher profile from their device.

If someone tries to use the Exit Launcher setting from the device and enters the Administrative Passcode incorrectly, the option disappears after 10 unsuccessful attempts, you can restart the device and the option reappears.

There are two use cases for this option:

- **Remove Profile** – Removes the Workspace ONE Launcher profile from the device. This option restricts users from using any launcher apps and the device will be locked down and display a standard screen saver
- **Check In/Check Out** – Displays the Check Out credentials page when a user checks in a device after use. The user can access device side functions but not Launcher apps or settings.