Smart Glasses

VMware Workspace ONE UEM

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

https://docs.vmware.com/

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Smart Glasses Integration with Workspace ONE UEM

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Workspace ONE UEM powered by AirWatch™ provides you with a robust set of mobility management solutions for enrolling, securing, configuring, and managing your Smart Glasses deployment. Through the Workspace ONE UEM console, you have several tools and features at your disposal for managing the entire life-cycle of Smart Glasses.

The glasses display information in a hands-free smartphone-like format, and wearers communicate with the device using natural language voice commands. The voice-command feature of Smart Glasses allows users to prompt for instructions as they work without ever having to take their focus off of the equipment.

Supported Operating Systems

Before deploying Smart Glasses, consider the following requirements from the Workspace ONE UEM team. Familiarizing yourself with the information available in this section helps prepare you for a successful deployment of devices.

- Workspace ONE UEM console v8.2+
- A PC or Mac computer equipped with Android Debug Bridge is needed for sideload staging.
- Google Glass only: 1st edition Google Glass OS version EE13-EE15 is deployed with Android (Legacy) settings.
    - First edition Google Glass runs a version of the Android OS, but not all features that are available on mobile devices are available on Google Glass. Google Glass OS versions are identified as EExx. Google Glass EE13-EE15 has the capability for Workspace ONE UEM to push apps and is the minimum recommended version for customers. Contact Google to get information on how to upgrade your device.
- Google Glass EE2 provides Android Work Managed Device Mode functionality. This documentation will include separate sections for Google Glass EE2 deployment.

Best Practices

- All Smart Glasses must be registered in the Workspace ONE UEM console in a separate Organization Group.

- Disable the following enrollment settings:
  - Terms of Use
  - Optional Prompts
- Create separate Android (Legacy) profiles for your Smart Glasses deployment with Google Glass EE15 or below. Do not reuse Android (Legacy) mobile profiles.
- Enable Direct Prompt in Hub Settings to allow silent application install.

Google Glass EE2 Best Practices

The latest version of Google Glass, Google Glass EE2, provides Android functionality that is highlighted in this section.

- Google Glass EE2 devices must be enrolled into an Organization Group that is enabled for Android. This is done by registering with Google under **Settings > Device & Users > Android > Android EMM Registration.**
- Create separate Android profiles for your Smart Glasses deployment with Google Glass EE2. Do not reuse Android mobile profiles.

Smart Glasses Enrollment

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All Smart Glasses in your deployment must be enrolled before they can communicate with Workspace ONE UEM and access internal content and features. Enrollment is facilitated with the Workspace ONE Intelligent Hub for Android.

Important The Google Glass enrollment script in the staging package includes additional commands that can be manually enabled. If you plan on blocking adb access, please note that if adb needs to be re-enabled at a later time, it can only be done by a trusted computer. This will typically be the computer that was used to run the script in the first place, or any computer trusted previously by Google Glass prior to enrollment.

Create an Enrollment User

1 Navigate to **Devices > Users > List View > Add > Add User**.

2 From the **General** tab, enter the details for your user.

3 Select **Save**.

Setting	Description
Security Type	Choose Basic to add a basic user.
Username	Enter a username with which the new user is identified.
Password	Enter a password that the user can use to log in.
Confirm Password	Confirm the password.
Full Name	Complete the First Name, Middle Name, and Last Name of the user.
Display Name	Enter a name to represent the user in the Workspace ONE UEM console.
Email Address	Enter or edit the user's email address.
Email Username	Enter or edit the user's email username.
Domain	Select the email domain from the drop-down field.

This chapter includes the following topics:

Upload the Workspace ONE Intelligent Hub .APF File for Smart Glasses

Upload the .apf file for your Smart Glasses deployment to enable a simplified enrollment.

The Hub Package can be uploaded only in specific organization group types, for example, in organization groups of type 'Customer'. It is recommended to upload the Workspace ONE Intelligent Hub Package at the highest organization group. You can find the file specific to your OEM located in MyWorkspace ONE.

Procedure

1. Navigate to **Devices > Provisioning > Components > Hub Packages** and select **Add**.

   Make sure you are using the top levelorganization group.
2. Select **Upload** and **Choose File** to browse for the .apf file of the Workspace ONE Intelligent Hub version you want to upload.
3. Select the .apf file and select **Open** to choose the file.
4. Select **Save** to close the upload dialog.
5. Enter a **File Name**.
6. Enter a **Package Name**.
7. Enter a **Version** for the Workspace ONE Intelligent Hub.
8. Select **Save** to upload the .apf file to the Workspace ONE UEM console.

Create Android (Legacy) Wi-Fi Profile for Staging Smart Glasses(Optional)

The staging Wi-Fi profile connects a device to a Wi-Fi network used for enrollment if the device is not configured to a network.

Procedure

1. Navigate to **Devices > Provisioning > Components > Profiles > Add Profile > Android (Legacy)**.
2. Select the **General** profile option.

3 Set the Profile Scope of the Wi-Fi profile.

- **Staging Wi-Fi Profile** – Connects a device to the Wi-Fi used for staging.
- **Production Wi-Fi Profile** – Connects a device to the Wi-Fi used for everyday use. Production Wi-Fi profiles are under **Device > Profiles > List View > Add**. You must use auto deployment and publish the profile before staging a device with it.
- **Both** – Connects the device to Wifi to be used for staging and continues use during production.

4 Navigate to **Wi-Fi > Configure**.

5 Provide the Service Set Identifier to name the network to which the device will connect.

6 Indicate if the Wi-Fi network is a Hidden Network.

7 Ensure the WiFi is setup as the Active Network.

8 Specify the Security Type of access protocol used and whether certificates are required.

9 Provide the Password required for the device to connect to the network.

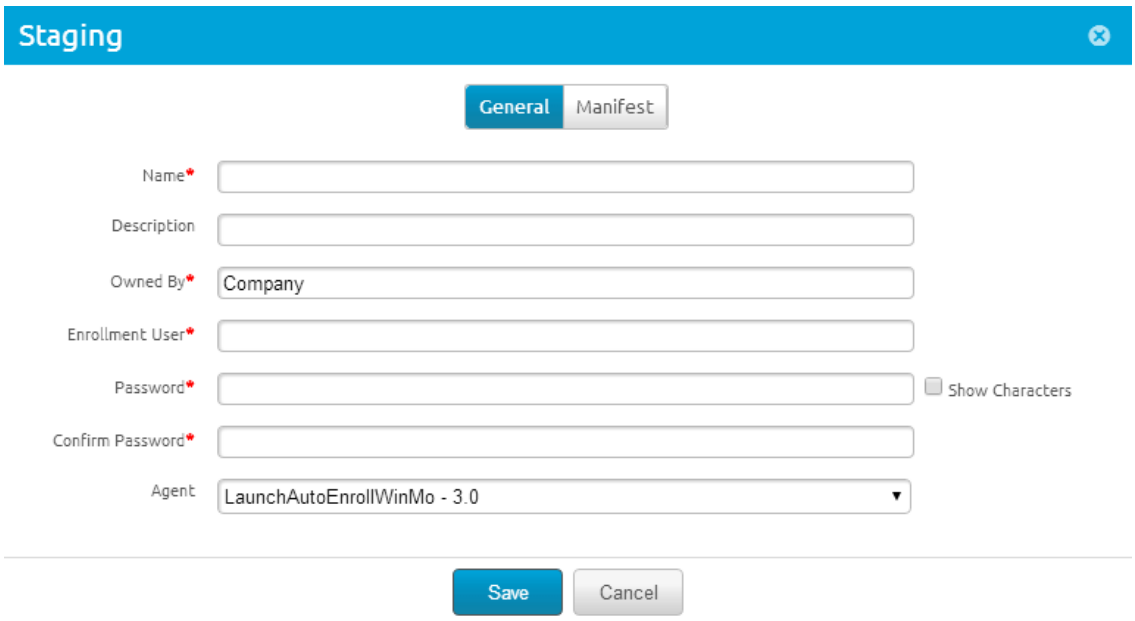
10 Select **Save & Publish**.

Create a Staging Package for Smart Glasses

Create a staging package to configure your devices to connect to Wi-Fi, download the Workspace ONE Intelligent Hub, and enroll Smart Glasses with minimal interaction.

Procedure

1 Navigate to **Devices > Lifecycle > Staging > Add Staging > Android (Legacy)**.



2 Complete the required fields on the **General** tab.

Settings	Description
Name	Enter the name of the staging configuration.
Description	Enter the description of the staging configuration.
Enrollment User	Enter the username of the enrollment user.
Password	Enter the password for the enrollment user.
Confirm Password	Re-enter the password for the enrollment user.
Hub	Select the Workspace ONE Intelligent Hub to download during staging. These are uploaded as the Workspace ONE Intelligent Hub Package. See how to Upload the Workspace ONE Intelligent Hub .APF File for Smart Glasses

3 Select **Save**.

Generate a Sideload Staging Package

Workspace ONE UEM can create a sideload staging package that allows you to create one side staging enrollment for all devices and assign the device to an Organization Group as needed.

Procedure

1 Navigate to **Devices > Lifecycle > Staging > List View**.

2 Choose a previous staging package that you want to create a sideloaded staging package for. Select the **More** option and select **Staging Side Load** from the drop-down.

3 Choose the **Organization Group** to which this staging applies.

4 Select **Download** to start downloading the zip file of the staging sideload.

5 Download and install the Android Debug Bridge to the computer from which you will stage devices.

For more information, see http://developer.android.com/tools/help/adb.html.

6 Unzip the staging file and connect the Smart Glasses to the staging computer.

7 Ensure that the Android Debug Bridge is enabled and running on the staging computer.

8 Run the autoenroll script.

a Find the script from the Workspace ONE Intelligent Hub folder saved to your computer and run the script from within the Workspace ONE Intelligent Hub folder.

Note The auto-enroll script for Google Glass devices allows you to manually enable the following commands: Setting OTA server, Lock ADB access, Set an app into kiosk mode, and enable/disable camera.

The device should auto enroll into Workspace ONE UEM.

Enroll Google Glass Using QR Code Enrollment

The QR code enrollment method sets up and configures Google Glass smart glasses by scanning a QR code. The QR code contains a payload of JSON values with all the information needed for the device to be enrolled.

Note Various word processing applications use special characters for editing. Using copy/paste can pick up those characters, invalidating your JSON. Consider validating your JSON using any free online tool.

You can use any online QR Code generator, such as Web Toolkit Online, to create your QR code before beginning enrollment. The QR code includes the Server URL and Group ID information. You can also include the user name and password or the user has to enter their credentials. Here is the format of the text to paste into the QR Code generator:

```
{
“COMPONENT”: “com.airwatch.androidagent/com.airwatch.agent.DeviceAdministratorReceiver”,
“LOCATION”:  “https://getwsone.com/mobileenrollment/airwatchagent.apk", “NFC_MIME”:
“application/com.airwatch.agent.enroll”,
“NFC_MIME”: “application/com.airwatch.agent.enroll”,
“EXTRAS”:  “serverurl=https://EnrollmentURL/
AirWatch\ngid=EnrollmentOG\nun=EnrollmentUserName\npw=EnrollmentUserPassword”
}
```

Note QR Code enrollment is only applicable to Google Glass.

Procedure

1. Follow the steps to create an enrollment user.
2. Create QR code using a QR code generator.
3. From your Google glasses, go to **Settings > Device Options > Provisioning** which launches the QR code reader.
4. Scan your QR code and follow the prompts.
5. Use the RunIntent File/Action to enable commands such as Setting OTA server, Lock ADB access, Set an app into kiosk mode, and enable/disable camera.

What to do next

Important To manage applications, the intent "install_non_market_apps" needs to be executed on the device first. Please see EE14 and EE15 documentation from Google for all of the intents that are now supported on Google Glass.

Smart Glasses Profiles

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Device profiles ensure proper use of devices, protection of sensitive data, and workplace functionality. Profiles serve many different purposes, from letting you enforce corporate rules and procedures to tailoring and preparing Glass devices for how they are used.

The individual settings you configure are called payloads. Consider configuring only one payload per profile, which means you have multiple profiles for the different settings you want to push to devices. For example, you can create a profile to integrate with your email server and another to connect devices to your workplace Wi-Fi network.

The way profiles are deployed for Google Glass depends on the edition. The chart below explains the differences:

Table 3-1. Profiles for Smart Glasses

Edition	Profile Selection
Google Glass EE13	Android (Legacy)
Google Glass EE14	Android (Legacy)
Google Glass EE15	Android (Legacy)
Google Glass EE2	Android

Deploying Profiles with First Edition Google Glass

For Google Glass, if you use certificate-based Wi-Fi, ensure that Screen Lock is set up and enabled before enrollment or certificate installation fails. Screen Lock is a device passcode on Google Glass devices. Steps to configure screen lock are as follows:

- Recovery code needs to be configured. This is achieved by running the following adb command (in this example, 12345 is the recovery code).
  - $ adb shell am broadcast -a com.google.glass.action.STORE_RECOVERY_CODE --el RECOVERY_CODE 12345
- Navigate to **Settings > Device Options > Screen Lock** to configure this option.

Deploying Profiles with Second Edition Google Glass

Google Glass EE2 uses Android Work Managed Device mode functionality. In the steps for creating a profile for Google Glass, select Android platform. For Google Glass EE15 and lower and other smart glasses, use Android (Legacy) platform.

This chapter includes the following topics:

Create Wi-Fi Profile

Configuring a Wi-Fi profile lets devices connect to corporate networks.

Procedure

1. Navigate to **Resources > Profiles & Baselines > Profiles > Add > Add Profile > .**
2. Select **Android (Legacy) > or > Android (Second Edition Google Glass Only)**.
3. Configure the **General** profile settings as appropriate.
4. Select the **Wi-Fi** payload and configure the Wi-Fi settings.

Setting	Description
Service Set Identifier	Provide the name of the network the device connects to.
Hidden Network	Indicate if the Wi-Fi network is hidden.
Set as Active Network	Indicate if the device connects to the network with no end-user interaction.

Security Type	Specify the access protocol used and whether certificates are required.
	Depending on the selected security type, the displayed fields will change. If **None, WEP,or WPA/WPA 2)** are selected; the **Password** field will display.If **WPA/WPA 2 Enterprise** is selected, the Protocols and Authentication fields display.
	■ **Protocols**
	  ■ Use Two Factor Authentication
	  ■ SFA Type
	■ **Authentication**
	  ■ Identity
	  ■ Anonymous Identity
	  ■ Username
	  ■ Password
	  ■ Identity Certificate
	  ■ Root Certificate

Password	Provide the required credentials for the device to connect to the network. The password field displays when **WEP, WPA/WPA 2, Any (Personal), WPA/WPA2 Enterprise** are selected from the **Security Type** field.

5 Select the **Credentials** payload and configure certificate setup that will be used to authenticate.

Settings	Description
Credential Source	**Upload** a certificate from your local machine or define a **Defined Certificate Authority**, or upload a **User Certificate**. ■ If you choose to **Upload** a certificate, complete the following: ■ **Credential Name** – Enter the name of the credential or select on the information symbol to view acceptable lookup values like {EmailDomain} and {DeviceModel} to find the credential file to use. ■ **Certificate** – **Upload** the new certificate or lookup values. ■ If you choose to use a **Defined Certificate Authority**, complete the following: ■ **Certificate Authority** for the **Defined Certificate Authority** – Select the external or internal CA issuing encryption keys for the PKI. ■ **Certificate Template** for the **Defined Certificate Authority** – Select the predefined template for the CA to use when requesting a certificate. ■ If you choose upload a **User Certificate**, select either **S/MIME Certificate** or **S/MIME Encryption Certificate**.

6 Select **Save & Publish**.

Smart Glasses Device Management Overview

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After your devices are enrolled and configured, manage the devices using the Workspace ONE ™ UEM console. The management tools and functions enable you to keep an eye on your devices and remotely perform administrative functions.

You can manage all your devices from the UEM console. The Dashboard is a searchable, customizable view that you can use to filter and find specific devices. This feature makes it easier to perform administrative functions on a particular set of devices. The Device List View displays all the devices currently enrolled in your Workspace ONE UEM environment and their status. The **Device Details** page provides device-specific information such as profiles, apps, Workspace ONE Intelligent Hub version and which version of any applicable OEM service currently installed on the device. You can also perform remote actions on the device from the Device Details page that are platform-specific.

This chapter includes the following topics:

Deploy Internal Applications as a Local File

You can upload internal applications with local files to deploy them to your mobile network and take advantage of the mobile application management features of Workspace ONE UEM.

Complete the following steps to upload an internal application to the Workspace ONE UEM console, as a local file.

Procedure

1. Navigate to **Resources > Apps > Native > Internal** and select **Add Application**.
2. Select **Upload > Local File** and browse for the application file on the system.
3. Click **Save**.

4 Select **Continue** and configure the **Details** tab options. Not every option is supported for every platform.

Details Setting	Details Description
Name	Enter a name for the application.
Managed By	View the organization group (OG) that the application belongs to in your Workspace ONE UEM OG hierarchy.
Application ID	Represents the application with a unique string. This option is pre-populated and was created with the application. Workspace ONE UEM uses the string to identify the application in systems for applications that are on allowed and denied lists.
App Version	Displays the coded version of the application set by the application's developer.
Build Version	Displays an alternate "File Version" for some applications. This entry ensures Workspace ONE UEM records all version numbers coded for applications because developers have two places within some applications they can code a version number.
UEM Version	Displays the internal version of the application set by the Workspace ONE UEM console.
Supported Processor Architecture	Select the bit-architecture value for applicable Windows applications.
Is Beta	Tags the application as still under development and testing, a BETA version.
Change Log	Enter notes in this text box to provide comments and notes to other admins concerning the application.
Categories	Provide a category type in the text box to help identify how the application can help users. You can configure custom application categories or keep the application's pre-coded category.
Minimum OS	Select the oldest OS that you want to run this application.
Supported Models	Select all the models that you want to run this application.
Is App Restricted to Silent Install-Android	Assigns this application to those Android devices that support the Android silent installation feature. The end user does not have to confirm installation activity when you enable this option. This feature makes it easier to uninstall many applications simultaneously. Only Android devices in the smart group that supports the silent uninstallation benefit from this option. These Android devices are also called Android enterprise devices.

Details Setting	Details Description
Default Scheme	Indicates the URL scheme for supported applications. The application is packaged with the scheme, so Workspace ONE UEM parses the scheme and displays the value in this field. A default scheme offers many integration features for your internal applications, including but not limited to the following options: ■ Use the scheme to integrate with other platform and web applications. ■ Use the scheme to receive messages from other applications and to initiate specific requests. ■ Use the scheme to launch Apple iOS applications in the AirWatch Container.
Description	Describe the purpose of the application. Do not use '<' + String in the Description, as you might encounter an Invalid HTML content error.
Keywords	Enter words that might describe features or uses for the application. These entries are like tags and are specific to your organization.
URL	Enter the URL from where you can download the application and get information about it.
Support Email	Enter an email to receive suggestions, comments, or issues concerning the application.
Support Phone	Enter a number to receive suggestions, comments, or issues concerning the application.

Details Setting	Details Description
Internal ID	Enter an identification string, if one exists, that the organization uses to catalog or manage the application.
Copyright	Enter the publication date for the application.

Developer Information Setting	Developer Information Description
Developer	Enter the developer's name.
Developer Email	Enter the developer's email so that you have a contact to whom to send suggestions and comments.
Developer Phone	Enter a number so that you can contact the developer.

Log Notification for App SDK Setting - iOS	Log Notification for App SDK Description - iOS
Send Logs To Developer Email	Enable sending logs to developers for troubleshooting and forensics to improve their applications created using a software development kit.
Logging Email Template	Select an email template uses to send logs to developers.

Installer Package Deployment Setting - Windows Desktop MSI	Installer Package Deployment Description - Windows Desktop MSI
Command Line Arguments	Enter command-line options that the execution system uses to install the MSI application.
Timeout	Enter the time, in minutes, that the installer waits with no indication of installation completion before it identifies an installation failure. When the system reaches the timeout number, it stops monitoring the installation operation.
Retry count	Enter the number of attempts the installer tries to install the application before it identifies the process as failed.
Retry interval	Enter the time, in minutes, the installer waits between installation attempts. The maximum interval the installer waits is 10 minutes.

Application Cost Setting	Application Cost Description
Cost Center	Enter the business unit charged for the development of the application.
Cost	Enter cost information for the application to help report metrics concerning your internal application development systems to the organization.
Currency	Select the type of currency that paid for the development, or the currency that buys the application, or whatever you want to record about the application.

5 Complete the **Files** tab options. You must upload a provisioning profile for Apple iOS applications and you must upload the architecture application files for Windows Desktop applications. If you do not upload the architecture application files, the Windows Desktop application does not function.

Platform	Auxiliary File	Description
All	Application File	Contains the application software to install and run the application and is the application you uploaded at the beginning of the procedure.
Android	Firebase Cloud Messaging (FCM) Token	This is a Workspace ONE SDK feature and does not apply to all Android applications. Some internal, Android applications support push notifications from the application to device-users. 1 Select **Yes** for the **Application Supports Push Notification** option. 2 Enter the **Server API** key in the **FCM Token (API Key)** option. Get this from the Google Developer's site. A developer codes a corresponding **SenderID** into the internal application. To use the feature, push the notification from the applicable device record in the console using the **Send** admin function on the **Devices** tab.
Apple iOS	■ Provisioning Profile ■ APNs files for development or production	■ By default your application package contains the provisioning profile. However, for internal Apple iOS applications, you might have to provide a provisioning profile so that the internal application works when it is managed in Workspace ONE UEM if your application package does not contain the provisioning profile or if your provisioning profile has expired. You can obtain this file from your Apple iOS application developers. ■ A provisioning profile authorizes developers and devices to create and run Apple iOS applications. See Apple iOS Provisioning Profiles for information about Workspace ONE UEM integration with this auxiliary file. Ensure this file covers enterprise distribution and not app store distribution and that it matches the IPA file (Apple iOS application file). ■ If your application supports Apple Push Notifications Services (APNs), you can enable this file for messaging functionality. Apple Push Notification service (APNs) is the centerpiece of the remote notifications feature that lets you push small amounts of data to devices on which your app is installed, even when your app isn't running. To make use of Apple Push Notifications Services (APNs), upload either the development or production APNs certificate.
macOS	Metadata file (pkginfo.plist)	Create this file with a third-party utility tool like Munki or AutoPkgr. You can also use the VMware Admin Assistant to make this file. The file is available in the console when you upload an internal, macOS application.
Windows Desktop	Dependency files	Contains the application software to install and run the application for Windows Desktop.
Windows Phone	Dependency files	Contains the application software to install and run the application for Windows Phone.

6 Complete the options on the **Images** tab.

Setting	Description
Mobile Images	Upload or drag images of the application to display in the app catalog for mobile devices.
Tablet Images	Upload or drag images of the application to display for tablets.
Icon	Upload or drag images to display in the app catalog as its icon.

Note To achieve best results for Mobile and Tablet Images, refer https://help.apple.com/itunes-connect/developer/#/devd274dd925 for iOS and https://support.google.com/googleplay/android-developer/answer/1078870?hl=en for Android.

7 Complete the **Terms of Use** tab.

Terms of use state specifically how users are expected to use the application. They also make expectations clear to end users. When the application pushes to devices, users view a terms of use page that they must accept to use the application. If users do not accept, they cannot access the application.

8 Complete the **More > SDK** tab.

Setting	Description
SDK Profile	Select the profile from the drop-down menu to apply features configured in **Settings & Policies** (Default) or the features configured in individual profiles configured in **Profiles**.
Application Profile	Select the certificate profile from the drop-down menu so that the application and Workspace ONE UEM communicate securely.

9 Complete the **More > App Wrapping** tab.

You cannot wrap an application that you previously saved in the Workspace ONE UEM console. You have two options:

- Delete the unwrapped version of the application, upload it to Workspace ONE UEM, and wrap it on the App Wrapping tab.
- Upload an already wrapped version of the application, if you have one, which does not require deleting the unwrapped version.

Setting	Description
Enable App Wrapping	Enables Workspace ONE UEM to wrap internal applications.
App Wrapping Profile	Assign an app wrapping profile to the internal application.
Mobile Provisioning Profile - iOS	Upload a provisioning profile for Apple iOS that authorizes developers and devices to create and run applications built for Apple iOS devices.

Setting	Description
Code Signing Certificate - iOS	Upload the code signing certificate to sign the wrapped application.
Require encryption - Android	Enable this option to use Data At Rest (DAR) encryption on Android devices. Workspace ONE UEM uses the Advanced Encryption Standard, AES-256, and uses encrypted keys for encryption and decryption. When you enable DAR in App Wrapping, the App Wrapping engine injects an alternative file system into the application that securely stores all the data in the application. The application uses the alternative file system to store all files in an encrypted storage section instead of storing files in disk. DAR encryption helps protect data in case the device is compromised because the encrypted files created during the lifetime of the application are difficult to access by an attacker. This protection applies to any local SQLite database, because all local data is encrypted in a separate storage system.

10 Select **Save & Assign** to configure flexible deployment options for the application.

What to do next

To assign and deploy internal applications, configure the flexible deployment options explained in Add Assignments and Exclusions to your Applications.

Add Assignments and Exclusions to your Applications

Adding assignments and exclusions lets you schedule multiple deployment scenarios for a single application. You can configure deployments for applications for a specific time and let the Workspace ONE UEM console carry out the deployments without further interaction. You can add a single assignment or multiple assignments to control your application deployment and prioritize the importance of the assignment by moving its place in the list up for most important or down for least important. Also, you can also exclude groups from receiving the assignment.

The flexible deployment feature resides in the **Assign** sections of the application area and offers advantages to the assigning process. You can also exclude groups from receiving the assignment from the **Exclusions** tab.

- Assign multiple deployments simultaneously.
- Order assignment so that the right distribution criteria and app policies get applied to your devices.
- Customize distribution and app policies for one or more smart groups.

Procedure

1 Navigate to **Resources > Apps > Native > Internal** or **Public**.

2 Upload an application and select **Save & Assign** or select the application and select **Assign** from the actions menu.

3 On the **Assignments** tab, select **Add Assignment** and complete the following options.

a In the **Distribution** tab, enter the following information:

Platform-specific configurations are listed separately.

Setting	Description
Name	Enter the assignment name.
Description	Enter the assignment description.
Assignment Groups	Enter a smart group name to select the groups of devices to receive the assignment.
Deployment Begins On	**Deployment Begins On** is available only for internal applications.Set a day of the month and a time of day for the deployment to start. For successful deployment, consider traffic patterns of your network before you set a beginning date with bandwidth.
App Delivery Method	■ **On Demand** – Deploys content to a catalog or other deployment agent and lets the device user decide if and when to install the content. This option is the best choice for content that is not critical to the organization. Allowing users to download the content when they want helps conserve the bandwidth and limits unnecessary traffic. ■ **Automatic** – Deploys content to a catalog or other deployment Hub on a device upon enrollment. After the device enrolls, the system prompts users to install the content on their devices. This option is the best choice for content that is critical to your organization and its mobile users.

Table 4-1. Platform-specific Setting

Platform	Setting	Description
macOS and Windows	Display in App Catalog	Select **Show** or **Hide** to display an internal or public application in the catalog. **Note** The **Show** or **Hide** option is applicable only to the Workspace ONE Catalog and not legacy VMware AirWatch Catalog. Use this feature to hide applications in the app catalog you do not want users to access.
Windows	Application Transforms	This option is visible when your app has transform files associated. Select the transform file that must be used on the devices selected in the **Distribution** section.

Table 4-1. Platform-specific Setting (continued)

Platform	Setting	Description
		If the transform file selection is changed after the app is installed, the update does not get applied on the devices. Only the newly added devices which do not have the app installed receives the updated transform.

b In the **Restrictions** tab, enter the following information:

Platform	Setting	Description
Android and iOS	EMM Managed Access	Enable adaptive management to set Workspace ONE UEM to manage the device so that the device can access the application. Workspace ONE controls this feature and not AirWatch Catalog. Only the devices that are enrolled in EMM are allowed to install the app and receive app policies when you enable this setting. The setting only impacts Workspace ONE Intelligent Hub users not the legacy AirWatch Catalog users.
iOS	Remove on Unenroll	Set the removal of the application from a device when the device unenrolls from Workspace ONE UEM. If you choose to enable this option, supervised devices are restricted from the silent app installation. If you choose to disable this option, provisioning profiles are not pushed with the installed application. That is, if the provisioning profile is updated, the new provisioning profile is not automatically deployed to devices. In such cases, a new version of the application with the new provisioning profile is required.
iOS	Prevent Application Backup	Prevent backing up the application data to iCloud.

Platform	Setting	Description
iOS	Prevent Removal	If you enable this setting, the user is prevented from uninstalling the app. This is supported in iOS 14 and later.
iOS and Windows	Make App MDM Managed if User Installed	Assume management of applications previously installed by users on their iOS devices (supervised and unsupervised) and Windows Desktop. MDM management occurs automatically regardless of the application delivery method and requires privacy settings to allow the collection of personal applications. For unsupervised iOS devices, the apps get converted to MDM managed only upon the user's approval. Enable this feature so that users do not have to delete the application version installed on the device. Workspace ONE UEM manages the application without having to install the application catalog version on the device.

c In the **Tunnel** tab, enter the following information:

Platform	Setting	Description
Android	Android	Select the **Per-App VPN Profile** you like to use for the application and configure a VPN at the application level.
Android	Android Legacy	Select the **Per-App VPN Profile** you like to use for the application and configure a VPN at the application level.
iOS	Per-App VPN Profile	Select the **Per-App VPN Profile** you like to use for the application.
iOS	Other Attributes	App attributes provide device-specific details for apps to use. For example, when you want to set a list of domains that are associated to a distinct organization.

d In the **Application Configuration** tab, enter the following information:

Setting	Description
Android	Send application configurations to devices.
iOS	**Upload XML (Apple iOS)** – Select this option to upload an XML file for your iOS applications that automatically populates the key-value pairs. Get the configurations supported by an application from the developer in XML format.

Note You might see additional configuration tabs while configuring productivity apps. For example, if you are configuring a Workspace ONE Notebook application, **Account Settings** and **App policies** are displayed. For more information, go to the productivity app documentation.

4 Select **Create**.

5 Select **Add Assignment** to add new app assignments for your application.

6 Configure flexible deployment settings for your application by editing the schedules and priority for your deployments. Options that are displayed on this window are platform-specific.

Setting	Description
Copy	From the ellipses-vertical, you can click copy if you choose to duplicate the assignment configurations.
Delete	From the ellipses-vertical, you can delete to remove the selected assignment from the application deployment.

Setting	Description
Priority	You can modify the priority of the assignment you configured from the drop-down menu while placing the selected assignment in the list of assignments. Priority 0 is the most important assignment and takes precedence over all other deployments. Your devices receive all the restrictions distribution policies and the app configuration policies from the assignment group which has the highest priority. If a device belongs to more than one smart group and you assign these smart groups to an application with several flexible deployments, the device receives the scheduled flexible deployment with the most immediate **Priority**. As you assign smart groups to flexible deployments, remember that a single device can belong to more than one smart group. In turn, one device can be assigned to more than one flexible deployment for the same application. For example, if Device 01 belongs to Smart Group HR and Smart Group Training. You configure and assign two flexible deployments for application X, which include both Smart Groups. Device 01 now has two assignments for application X. ■ Priority 0 = Smart Group HR, to deploy in 10 days with On Demand. ■ Priority 1 = Smart Group Training, to deploy now with Auto. Device 01 receives the priority 0 assignment and gets the application in 10 days because of the assignments priority rating. Device 01 does not receive the priority 1 assignment.
Assignment Name	View the assignment name.
Description	View the assignment description.
Smart Groups	View the assigned smart group.
App Delivery Method	View how the application pushes to devices. **Auto** pushes immediately through the AirWatch Catalog with no user interaction. **On Demand** pushes to devices when the user initiates an installation from a catalog.
EMM Managed Access	View whether the application has adaptive management enabled. When you enable this setting, the end-user is allowed to access the applications using Workspace ONE SDK only when it is EMM managed. To avoid any disruption to the service, ensure to take over management if the 'user installed' flag is enabled.

7 Select the **Exclusions** tab and enter smart groups, organization groups, and user groups to exclude from receiving this application.

- The system applies exclusions from application assignments at the application level.
- Consider the organization group (OG) hierarchy when adding exclusions. Exclusions at a parent OG do not apply to the devices at the child OG. Exclusions at a child OG do not apply to the devices at the parent OG. Add exclusions at the desired OG.

8 Select **Save & Publish**.

Smart Glasses Feature Matrix

This matrix summarizes specific functionality and configurations, as available by OEM.

Table 4-2. Smart Glass Supported Features - Asset Tracking

	Vuzix M100	Vuzix M300	Google Glass	RealWear HMT-1/1Z1
UDID	Supported	Supported	Supported	Supported
OS Version	Supported	Supported	Supported	Supported
Manufacturer	Supported	Supported	Supported	Supported
Model	Supported	Supported	Supported	Supported
Serial Number	Supported	Supported	Supported	Supported

Table 4-3. Smart Glass Supported Features - Internal App Management

	Vuzix M100	Vuzix M300	Google Glass	RealWear HMT-1/1Z1	
Install Applications	Supported	Supported	Supported	Supported	
Remove Applications	Supported	Supported	Supported	Supported	
Update Applications	Supported	Supported	Supported	Supported	

Table 4-4. Smart Glass Supported Features - Push Services

	Vuzix M100	Vuzix M300	Google Glass	RealWear HMT-1/1Z1	
AWCM	Supported	Supported	Supported	Supported	

Table 4-5. Smart Glass Supported Features - Wi-Fi

	Vuzix M100	Vuzix M300	Google Glass	RealWear HMT-1/1Z1	
WPA/WPA2	Supported	Supported	Supported	Supported	
WPA/WPA2 Enterprise		Supported	Supported	Supported	

Note System updates for Google Glass devices are handled by an OTA server. Please contact Google for more information.