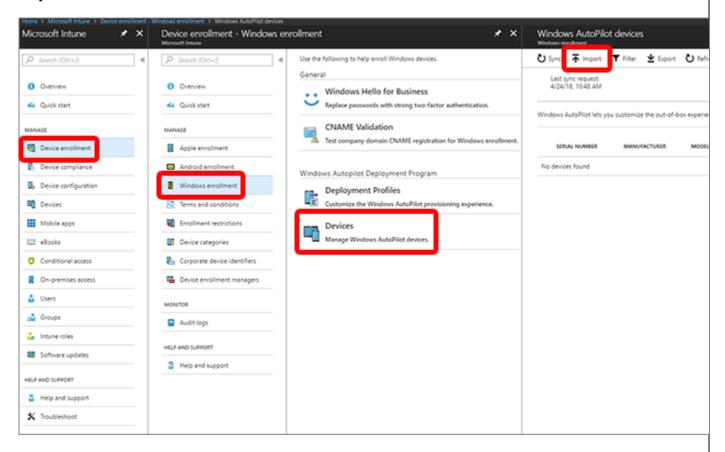
Device Enrollment

Steps

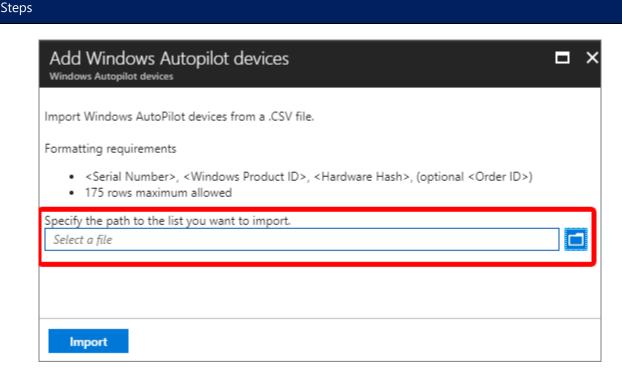
Add devices

You can add Windows Autopilot devices by importing a CSV file with their information.

1. In <u>Intune in the Azure portal</u>, choose **Device enrollment > Windows enrollment > Devices > Import**.



2. Under **Add Windows Autopilot devices**, browse to a CSV file listing the devices that you want to add. The file should list the serial numbers, Windows product IDs, hardware hashes, and optional order IDs of the devices.



3. Choose **Import** to start importing the device information. Importing can take several minutes.

- 4. After import is complete, choose **Device enrollment** > **Windows enrollment** > **Windows Autopilot** > **Devices** > **Sync**. A message displays that the synchronization is in progress. The process might take a few minutes to complete, depending on how many devices are being synchronized.
- 5. Refresh the view to see the new devices.

Create an Autopilot device group

- 1. In <u>Intune in the Azure portal</u>, choose **Groups** > **New group**.
- 2. In the **Group** blade:
 - a. For **Group type**, choose **Security**.
 - b. Type a **Group name** and **Group description**.
 - c. For Membership type, choose either Assigned or Dynamic Device.
- 3. If you chose **Assigned** for **Membership type** in the previous step, then in the **Group** blade, choose **Members** and add Autopilot devices to the group. Autopilot devices that aren't yet enrolled are devices where the name equals the serial number of the device.
- 4. If you chose **Dynamic Devices** for **Membership type** above, then in the **Group** blade, choose **Dynamic device members** and type any of the following code in the **Advanced rule** box.

Steps

 If you want to create a group that includes all of your Autopilot devices, type (device.devicePhysicalIDs -any _ -contains "[ZTDId]")

- If you want to create a group that includes all of your Autopilot devices with a specific order ID, type: (device.devicePhysicalIds -any _ -eq "[OrderID]:179887111881")
- If you want to create a group that includes all of your Autopilot devices with a specific Purchase Order ID, type: (device.devicePhysicalIds -any _ -eq
 "[PurchaseOrderId]:76222342342")

After adding the **Advanced rule** code, choose **Save**.

5. Choose Create.

Create an Autopilot deployment profile

Autopilot deployment profiles are used to configure the Autopilot devices.

- In <u>Intune in the Azure portal</u>, choose **Device enrollment** > **Windows enrollment** > **Deployment Profiles** > **Create Profile**.
- 2. Type a **Name** and optional **Description**.
- 3. If you want all devices in the assigned groups to automatically convert to Autopilot, set **Convert all targeted devices to Autopilot** to **Yes**. All non-Autopilot devices in assigned groups will register with the Autopilot deployment service. Allow 48 hours for the registration to be processed. When the device is unenrolled and reset, Autopilot will enroll it. After a device is registered in this way, disabling this option or removing the profile assignment won't remove the device from the Autopilot deployment service. You must instead <u>remove the device directly</u>.
- 4. For **Deployment mode**, choose one of these two options:
 - **User-driven**: Devices with this profile are associated with the user enrolling the device. User credentials are required to enroll the device.
 - **Self-deploying (preview)**: (requires the most recent <u>Windows 10 Insider Preview Build</u>)

 Devices with this profile aren't associated with the user enrolling the device. User credentials aren't required to enroll the device.
- 5. In the **Join to Azure AD as** box, choose **Azure AD joined**.
- 6. Choose **Out-of-box experience (OOBE)**, configure the following options, and then choose **Save**:

Steps

• **Language (Region)***: Choose the language to use for the device. This option is only available if you chose **Self-deploying** for **Deployment mode**.

- Automatically configure keyboard*: If a Language (Region) is selected, choose Yes to skip the keyboard selection page. This option is only available if you chose Self-deploying for Deployment mode.
- **End-user license agreement (EULA)**: (Windows 10, version 1709 or later) Choose if you want to show the EULA to users.
- **Privacy settings**: Choose if you want to show privacy settings to users.
- **Hide change account options (Windows Insider only)**: Choose **Hide** to prevent change account options from displaying on the company sign-in and domain error pages. This option requires company branding to be configured in Azure Active Directory.
- User account type: Choose the user's account type (Administrator or Standard user).
- Apply computer name template (Windows Insider only): Choose Yes to create a
 template to use when naming a device during enrollment. Names must be 15 characters or
 less, and can have letters, numbers, and hyphens. Names can't be all numbers. Use the
 <u>%SERIAL% macro</u> to add a hardware-specific serial number. Or, use the <u>%RAND:x% macro</u>
 to add a random string of numbers, where x equals the number of digits to add.
- 7. Choose **Create** to create the profile. The Autopilot deployment profile is now available to assign to devices.

*Both Language (Region) and Automatically configure keyboard are only available if you chose Self-deploying (preview) for Deployment mode (requires the most recent Windows 10 Insider Preview Build).

Assign an Autopilot deployment profile to a device group

- In <u>Intune in the Azure portal</u>, choose **Device enrollment > Windows enrollment >** Deployment profiles > choose a profile.
- 2. In the specific profile blade, choose **Assignments**.
- 3. Choose **Select groups**, then in the **Select groups** blade, choose the group(s) that you want to assign the profile to, then choose **Select**.

Edit an Autopilot deployment profile

After you've created an Autopilot deployment profile, you can edit certain parts of the deployment profile.

Steps

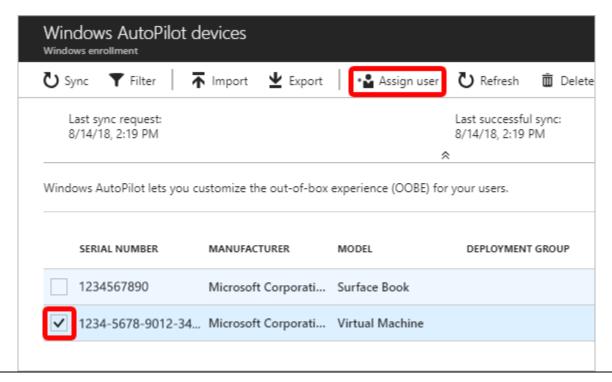
- 1. In <u>Intune in the Azure portal</u>, choose **Device enrollment**.
- 2. Under Windows enrollment, in the Windows Autopilot section, choose Deployment Profiles.
- 3. Select the profile you would like to edit.
- 4. Click **Properties** on the left to change the name or description of the deployment profile. Click **Save** after you make changes.
- 5. Click **Settings** to make changes to the OOBE settings. Click **Save** after you make changes.

Assign a user to a specific Autopilot device

You can assign a user to a specific Autopilot device. This assignment pre-fills a user from Azure Active Directory in the <u>company-branded</u> sign-in page during Windows setup. It also lets you set a custom greeting name. It doesn't pre-fill or modify Windows sign-in. Only licensed Intune users can be assigned in this manner.

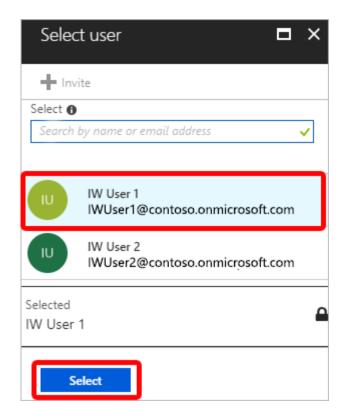
Prerequisites: Azure Active Directory Company Portal has been configured and the most recent Windows 10 Insider Preview Build.

1. In the <u>Intune in the Azure portal</u>, choose **Device enrollment > Windows enrollment > Devices** > choose the device > **Assign user**.

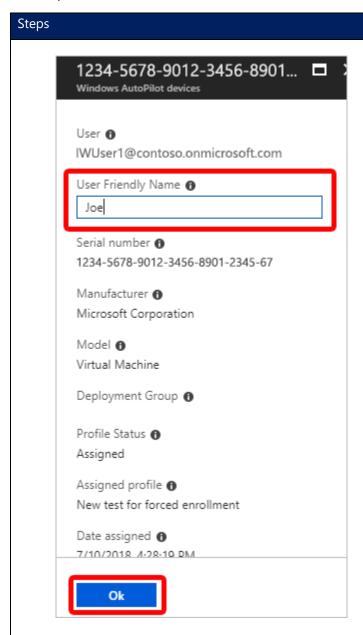


Steps

2. Choose an Azure user licensed to use Intune and choose **Select**.



3. In the **User Friendly Name** box, type a friendly name or just accept the default. This string is the friendly name that displays when the user signs in during Windows setup.



4. Choose Ok.

Delete Autopilot devices

You can delete Windows Autopilot devices that aren't enrolled.

- 1. If the devices are enrolled in Intune, you must first <u>delete them from the Azure Active Directory portal</u>.
- 2. In the Intune in the Azure portal, choose Device enrollment > Windows enrollment > Devices.

Steps

3. Under **Windows Autopilot devices**, choose the devices you want to delete, and then choose **Delete**.

4. Confirm the deletion by choosing **Yes**. It can take a few minutes to delete.

Device Compliance Policies

Steps

Android

- 1. In the Azure portal, select **All services**, filter on **Intune**, and select **Microsoft Intune**.
- 2. Select Device compliance > Policies > Create Policy.
- 3. Enter a Name and Description.
- 4. For Platform, select Android.
- 5. Choose **Settings Configure**. Enter the **Device Health**, **Device Properties**, and **System Security** settings, as described in this article.

Device health

- Rooted devices: Choose Block to mark rooted (jailbroken) devices as not compliant. When you
 choose Not configured (default), this setting isn't evaluated for compliance or non-compliance.
- Require the device to be at or under the Device Threat Level: Use this setting to take the risk
 assessment from the Lookout MTP solution as a condition for compliance. When you choose Not
 configured (default), this setting isn't evaluated for compliance or non-compliance. To use this
 setting, choose the allowed threat level to be:
 - Secured: This option is the most secure, as the device can't have any threats. If the device is detected with any level of threats, it's evaluated as noncompliant.
- **Google Play Services is configured**: **Require** that the Google Play services app is installed and enabled.
- Up-to-date security provider: Require that an up-to-date security provider can protect a device from known vulnerabilities.

Steps

- Threat scan on apps: Require that the Android Verify Apps feature is enabled.
- SafetyNet device attestation: Enter the level of SafetyNet attestation that must be met:
 - Check basic integrity & certified devices

System security settings

Password

- Require a password to unlock mobile devices: Require users to enter a password before they can access their device.
- Minimum password length: 8
- Required password type: At least alphanumeric with symbols
- Maximum minutes of inactivity before password is required: 10
- Password expiration (days): 60
- Number of previous passwords to prevent reuse: 5

Encryption

• **Encryption of data storage on a device** (Android 4.0 and above, or KNOX 4.0 and above): Choose **Require** to encrypt data storage on your devices.

Device Security

- **Block apps from unknown sources**: Choose to **block** devices with "Security > Unknown Sources" enabled sources (supported on Android 4.0 Android 7.x; not supported by Android 8.0 and later).
- **Company portal app runtime integrity**: Choose **Require** to confirm the Company Portal app meets all the following requirements:
 - o Has the default runtime environment installed
 - Is properly signed
 - o Isn't in debug-mode
 - o Is installed from a known source

Steps

• **Block USB debugging on device** (Android 4.2 or later): Choose **Block** to prevent devices from using the USB debugging feature.

When done, select **OK** > **OK** to save your changes.

iOS

- 1. In the Azure portal, select **All services**, filter on **Intune**, and select **Microsoft Intune**.
- 2. Select **Device compliance** > **Policies** > **Create Policy**.
- 3. Enter a Name and Description.
- 4. For **Platform**, select **iOS**. Choose **Settings Configure**, and enter the **Email**, **Device Health**, **Device Properties**, and **System Security** settings. When you're done, select **OK**, and **Create**.

Device health

- Jailbroken devices: Block
- Require the device to be at or under the Device Threat Level (iOS 8.0 and newer): Choose the maximum threat level to mark devices as noncompliant. Devices that exceed this threat level get marked as noncompliant:
 - Secured: This option is the most secure, as the device can't have any threats. If the device is detected as having any level of threats, it is evaluated as noncompliant.

System security

Password

- Require a password to unlock mobile devices: Require users to enter a password before they can access their device.
- Simple passwords: Set to Block so users can't create simple passwords, such as 1234 or 1111.
- Minimum password length: 6
- Required password type: Numeric
- Maximum minutes of inactivity before password is required: 10
- Password expiration (days): 60
- Number of previous passwords to prevent reuse: 5

Steps

Windows:

1. In the Azure portal, select **All services**, filter on **Intune**, and select **Microsoft Intune**.

- 2. Select Device compliance > Policies > Create Policy.
- 3. Enter a Name and Description.
- 4. For Platform, select Windows Phone 8.1, Windows 8.1 and later, or Windows 10 and later. Choose Settings Configure, and enter the Device Health, Device Properties, and System Security settings. When you're done, select OK, and Create.

System security

Password

Require a password to unlock mobile devices: **Require** users to enter a password before they can access their device.

Simple passwords: Set to Block so users can't create simple passwords, such as 1234 or 1111.

Minimum password length: 8

Password type: Alphanumeric

Number of non-alphanumeric characters in password: If Required password type is set to

Alphanumeric, this setting specifies the minimum number of character sets that the password must contain. The four character sets are:

Lowercase letters

Uppercase letters

Symbols

Numbers

Maximum minutes of inactivity before password is required: 15

Password expiration (days): 90

Steps

Number of previous passwords to prevent reuse: 5

Encryption

Require encryption on mobile device: Require

Windows 10 and later policy settings

Device health

Require BitLocker: Yes

Require Secure Boot to be enabled on the device: Yes

Device properties

Minimum OS version: Microsoft Windows [Version 10.0.17134.1]

Encryption of data storage on a device: Choose **Require** to encrypt data storage on your devices.

Device Security

Antivirus: When set to **Require**, you can check compliance using antivirus solutions that are registered with Windows Security Center, such as Symantec and Windows Defender.

AntiSpyware: When set to **Require**, you can check compliance using antispyware solutions that are registered with Windows Security Center, such as Symantec and Windows Defender.

Windows Defender ATP

Steps

Require the device to be at or under the machine risk score: Use this setting to take the risk assessment from your defense threat services as a condition for compliance. Choose the maximum allowed threat level:

Medium: The device is evaluated as compliant if existing threats on the device are low or medium level. If the device is detected to have high-level threats, it is determined to be noncompliant.

Device Configuration Profiles

Steps

Android

- 1. In the Azure portal, select All Services, and search for Microsoft Intune.
- 2. In **Microsoft Intune**, select **Device configuration**, and select **Profiles**. Then select **Create Profile**.
- 3. Enter the following properties:
 - Name: Enter a descriptive name for the new profile.
 - **Description**: Enter a description for the profile. (This is optional, but recommended.)
 - **Platform**: Select the platform type:
 - Android
 - Profile type: Device Restrictions
 - General: Block Factory Reset
 - Password:
 - 1. Password: Require
 - 2. Minimum password length 8

Steps

3. Maximum minutes of inactivity until screen locks - 15

- 4. Number of sign-in failures before wiping device 10
- 5. Password expiration (days) 60
- 6. Required password type: At least alphanumeric
- 7. **Fingerprint unlock (Samsung Knox only)** Allows the use of a fingerprint to unlock supported devices.
- 8. Encryption Require
- Cellular and connectivity:
 - Voice dialing (Samsung KNOX only): Block

Windows

- 4. In the Azure portal, select All Services, and search for Microsoft Intune.
- 5. In Microsoft Intune, select Device configuration, and select Profiles. Then select Create Profile.
- 6. Enter the following properties:
 - Name: Enter a descriptive name for the new profile.
 - **Description**: Enter a description for the profile. (This is optional, but recommended.)
 - **Platform**: Select the platform type:
 - Windows 10 and later
 - Profile type: Device Restrictions
 - General
 - Manual unenrollment Block
 - Phone reset Block
 - Device name modification Block
 - o Automatic redeployment Allow
 - Personalization

Steps

Desktop background picture URL (Desktop only)

Integrate Windows Hello for Business with Microsoft Intune

Steps

Create a Windows Hello for Business policy

- 1. In the <u>Azure portal</u>, choose **All Services** > **Monitoring** + **Management** > **Intune**.
- On the Intune pane, choose Device enrollment, and then choose Windows enrollment > Windows Hello for Business.
- 3. On the pane that opens, choose the **Default** settings.
- 4. On the **All Users** pane, click **Properties** and then enter a **Name** and optional **Description** for the Windows Hello for Business settings.
- 5. On the **All Users** pane, click **Settings** and then choose from the following options for **Configure Windows Hello for Business**: **Enabled**
 - Use a Trusted Platform Module (TPM): Required (default). Only devices with an accessible TPM can provision Windows Hello for Business.
 - Minimum PIN length/Maximum PIN length: 10
 - Lowercase letters in PIN/Uppercase letters in PIN/Special characters in PIN: Allowed
 - PIN expiration (days). 65
 - Allow biometric authentication: Yes.
 - Allow phone sign-in: Yes

Windows 10 Update Rings

Steps

Create and assign update rings

- 1. Sign in to the Azure portal.
- 2. Select **All services**, filter on **Intune**, and then select **Microsoft Intune**.
- 3. Select Software updates > Windows 10 Update Rings > Create.
- 4. Enter a name, a description (optional), and then choose **Configure**.
- 5. In **Settings**, enter the following information:
 - Servicing channel: Set the channel from which the device receives Windows updates.
 - Microsoft product updates: Choose to scan for app updates from Microsoft Update.
 - Automatic update behavior: Auto install and restart at scheduled time
 - Restart checks: Enabled by default.
- 6. When done, select **OK**. In **Create Update Ring**, select **Create**.

The new update ring is displayed in the list of update rings.

- 1. To assign the ring, in the list of update rings, select a ring, and then on the *ring name* tab, choose **Assignments**.
- 2. On the next tab, choose **Select groups to include**, and then choose the groups to which you want to assign this ring.
- 3. Once you are done, choose **Select** to complete the assignment.

iOS update policies

Steps

Configure the policy

- 1. Sign in to the <u>Azure portal</u>.
- 2. Select **All services**, filter on **Intune**, and select **Microsoft Intune**.

Steps

- 3. Select Software updates > Update policies for iOS > Create.
- 4. Enter a name and description for the policy.
- 5. Select **Settings**.

Enter the details for when iOS devices aren't forced to install the latest updates. These settings create a restricted timeframe. You can configure the **Days** of the week, the **Time zone**, the **Start time**, the **End time**, and whether to **Delay visibility of software update (days)** to enter users. You can select a delay range of software updates from 1 to 90 days. To opt-out of setting a software update delay, enter 0. These update settings will apply only to supervised iOS devices.

6. Select **OK** to save your changes. Select **Create** to create the policy.

Change the restricted times for the policy

- 1. In Software updates, select Update policies for iOS.
- 2. Choose an existing policy > **Properties**.
- 3. Update the restricted time:
 - a. Choose the days of the week
 - b. Choose the time zone that this policy is applied
 - c. Enter the start and end time for the blacklisted hours

Assign the policy to users

Existing policies are assigned to groups, users, or devices. When assigned, the policy is applied.

- 1. In Software updates, select Update policies for iOS.
- 2. Choose an existing policy > **Assignments**.
- 3. Select the Azure Active Directory groups, users, or devices to include or exclude from this policy.
- 4. Choose **Save** to deploy the policy to your groups.

Configure identity protection settings

Steps

Create a device profile with identity protection settings

- 1. Sign in to the <u>Azure portal</u>.
- 2. Select All services, filter on Intune, and select Microsoft Intune.
- 3. Select **Device configuration** > **Profiles** > **Create profile**.
- 4. Enter a **Name** and **Description** for the identity protection profile.
- 5. From the **Platform** drop-down list, select **Windows 10 and later**. Windows Hello for Business is only supported on devices running Windows 10 and later.
- 6. From the **Profile type** drop-down list, choose **Identity protection**.
- On the Windows Hello for Business pane, choose from the following options for Configure Windows Hello for Business: **Enabled**.
- Minimum PIN length/Maximum PIN length. 10
- Lowercase letters in PIN/Uppercase letters in PIN/Special characters in PIN: Allowed.
- PIN expiration (days). 60
- Enable PIN recovery: Enable.
- Use a Trusted Platform Module (TPM): Enable.
- Allow biometric authentication: Enable

Click **OK** to save your profile. The profile is created and appears in the **Device configuration - Profiles** list.

iOS or macOS device feature settings

Steps

Create a device profile

- 1. Sign in to the Azure portal.
- 2. Select **All services**, filter on **Intune**, and then select **Microsoft Intune**.
- 3. Select **Device configuration** > **Profiles** > **Create profile**.
- 4. Enter the following properties:
 - Name: Enter a descriptive name for the new profile.
 - **Description**: Enter a description for the profile
 - Platform: iOS
 - Profile type: Select Device features.
 - Settings: Home screen layout settings for iOS

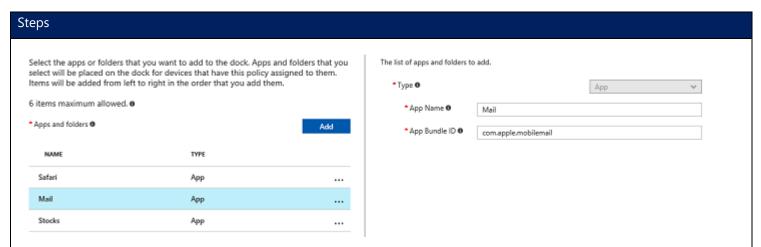
Add items to the dock

On the **Dock** pane, you can add up to six items or folders to the dock of the iOS screen. However, many devices support fewer items; for example, iPhone devices support up to four items. In this case, only the first four items you configured are displayed on the device.

- 1. Choose **Add** to add an item to the dock.
- 2. On the **Add Row** pane, choose whether you want to add an **App**, or a **Folder**.
- 3. Using the information in this topic, configure the apps and folders you want to appear in the dock.
- 4. Continue to add items. When you are finished, click **OK** on each pane until you return to the **Create Profile** pane. Choose **Create**.

Example

In this example, you've configured the dock screen to show only the Safari, Mail, and Stocks apps. In the following image, the Mail app is selected to illustrate its properties:



When you assign the policy to an iPhone, the result is a dock that looks similar to this screenshot:



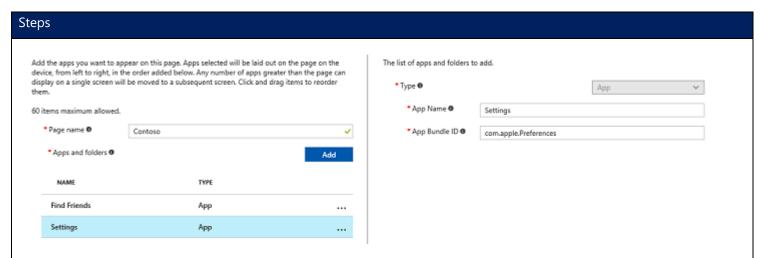
Add Home screen pages

Add the pages you want to appear on the home screen, and the apps that appear on each page. Apps that you add to a page are arranged from left to right, in the order they are specified in the list. If you add more apps than can fit on a page, the apps are moved to a subsequent page.

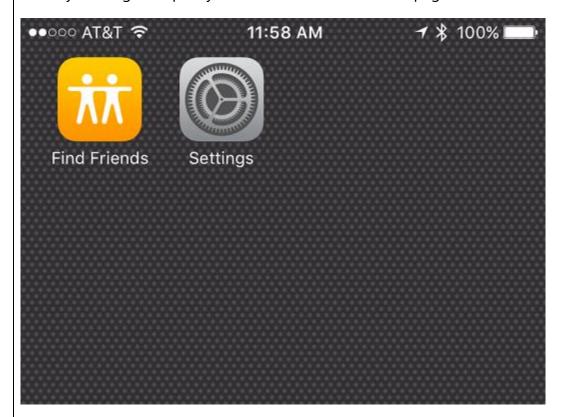
- 1. On the **Pages** pane, choose **Add**.
- 2. On the **Add Row** pane, enter a **Page name**. This name is used for your reference in the Azure portal, and *is not displayed* on the iOS device.
- 3. Choose **Add**, then choose whether you want to add an **App**, or a **Folder** to the page.
- 4. Using the information in this topic, configure the apps and folders you want to appear on the page.

Example

In this example, you've configured a new page named **Contoso**. The page shows only the Find Friends, and Settings apps. In the following image, the Settings app is selected to illustrate its properties:



When you assign the policy to an iPhone, the result is a page that looks similar to this screenshot:



How to add an app to the list

- 1. Enter the **App Name**. This name is used for your reference in the Azure portal, and *is not displayed* on the iOS device.
- 2. Enter the **App Bundle ID** of the app you want to display. See **Bundle ID reference for built-in iOS apps** later in this topic for help.
- 3. Click **OK**, then continue to add items, up to a maximum of **6** for the device dock, and **60** for a device page.

Steps

4. When you are finished, click **OK**.

How to add a folder to the list

Apps that you add to a page in a folder are arranged from left to right, in the order they are specified in the list. If you add more apps than can fit on a page, the apps are moved to a subsequent page.

- 1. Enter the **Folder name**. This name is displayed to users on their device.
- 2. Choose **Add** to create a page in the folder. You can add up to 20 pages.
- 3. On the **Add Row** pane, enter a name for the page. This name is used for your reference in the Azure portal, and *is not displayed* on the iOS device.
- 4. Enter the **App Name**. This name is used for your reference in the Azure portal, and *is not displayed* on the iOS device.
- 5. Enter the **App Bundle ID** of the app you want to display. See **How to add an app to the list** for help.
- 6. Choose Add. You can add up to 60 items.
- 7. When you are finished, click **OK**.