

Configuring Box for EMM on MobileIron Cloud

An overview of applicable settings and Apple iOS Managed App Config

ABSTRACT

This document describes the configuration settings needed to deploy Box for EMM via MobileIron Cloud.

Table of Contents

Overview of Box for EMM	3
Overview of Configuration	3
Configuration Details and Procedures	3
Import the Box for EMM app to the App Catalog	3
Choose which users to distribute the Box for EMM app to	6
Configure the Box for EMM app.....	7

Overview of Box for EMM

Box for Enterprise Mobility Management (EMM) is a multi-tenant application that enables customers to restrict use of Box mobile apps to company-approved mobile devices secured by EMM providers.

Box for EMM uses OS-specific configuration mechanisms to deploy specific settings which help to validate the management state of the device.

Overview of Configuration

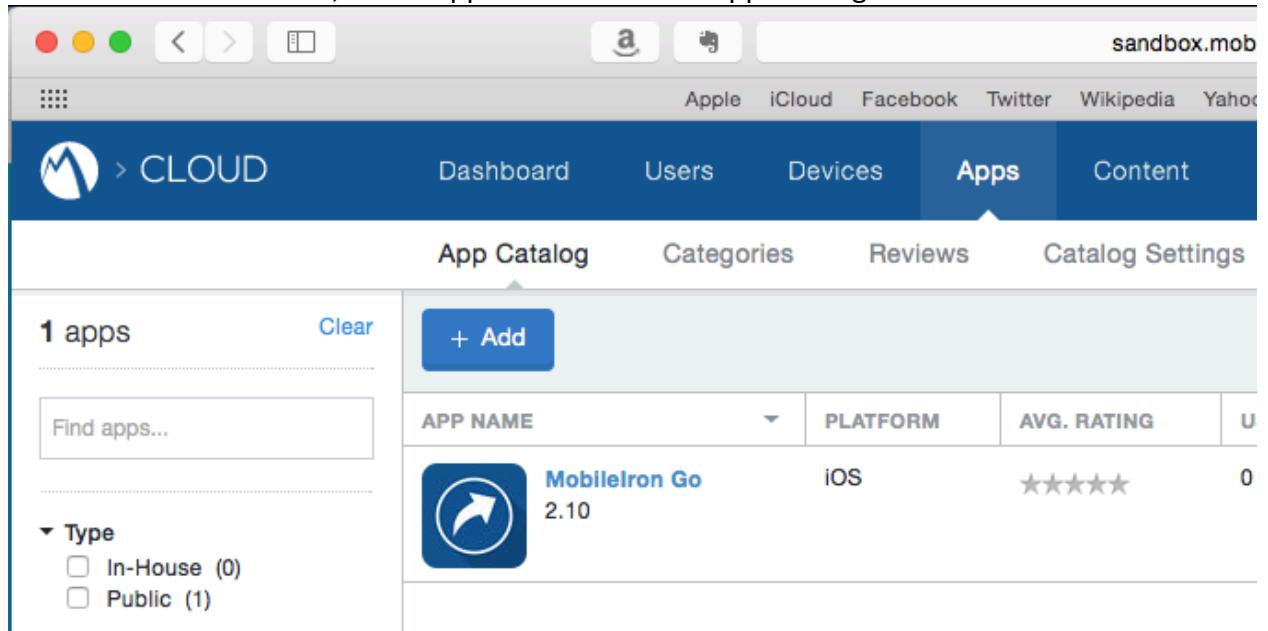
There are several steps required to configure Box for EMM on MobileIron Cloud:

1. Import the Box for EMM app to the App Catalog.
2. Choose which users to distribute the Box for EMM app to.
3. Configure the Box for EMM app: Configure app installation, configure iOS app settings, and create a Managed App Configuration.

Configuration Details and Procedures

Import the Box for EMM app to the App Catalog

1. Log in to the MobileIron Cloud tenant.
2. From the main menu bar, select Apps and then select App Catalog from sub-menu.

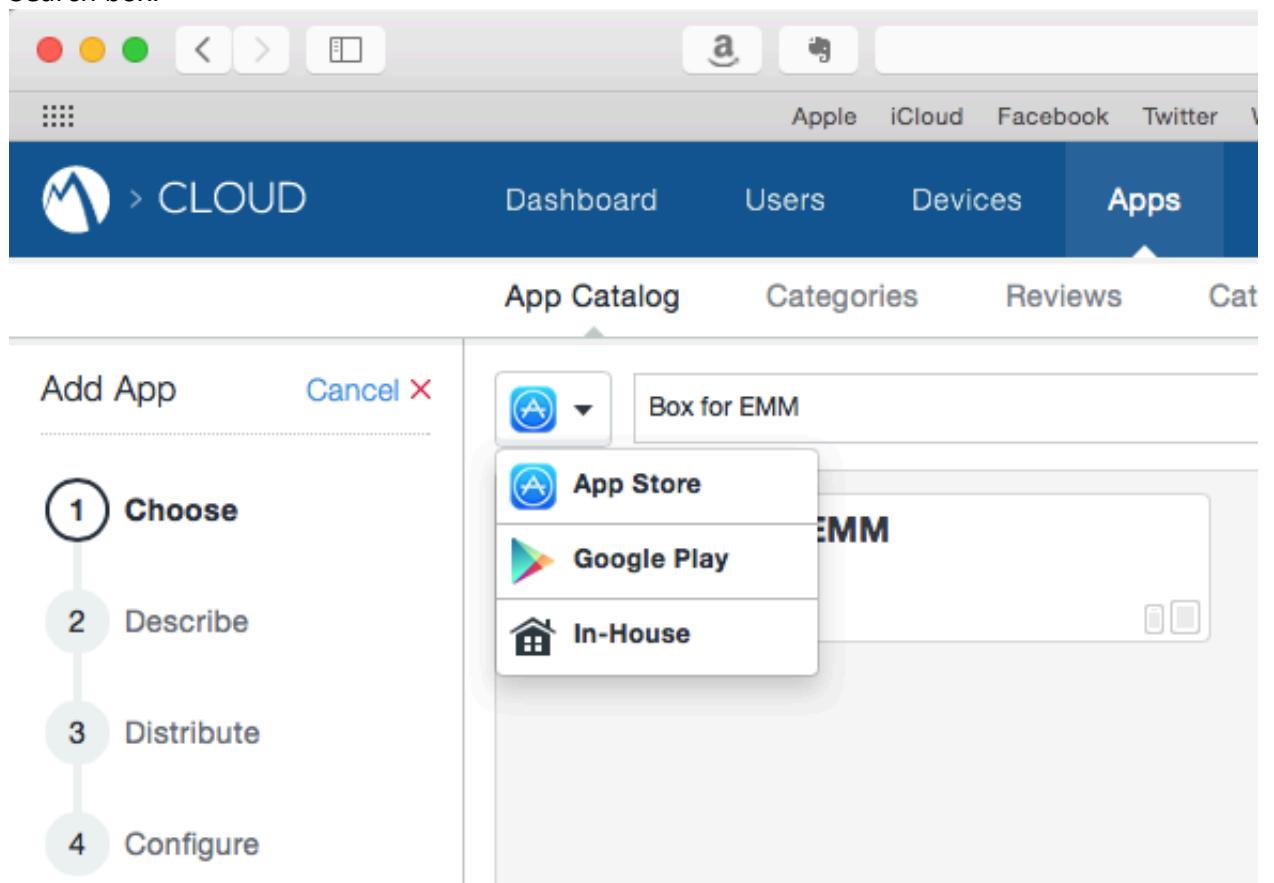


The screenshot shows the MobileIron Cloud interface with the 'Cloud' logo at the top left. The top navigation bar includes links for Apple, iCloud, Facebook, Twitter, Wikipedia, and Yahoo. Below the navigation is a blue header bar with tabs for Dashboard, Users, Devices, Apps (which is selected), and Content. The main content area is titled 'App Catalog'. It displays a table with one row for the 'MobileIron Go' app. The table columns are labeled 'APP NAME', 'PLATFORM', 'AVG. RATING', and 'U'. The 'APP NAME' column shows 'MobileIron Go' with a version of '2.10'. The 'PLATFORM' column shows 'iOS'. The 'AVG. RATING' column shows '★★★★★' with a value of '0'. To the left of the table, there is a search bar with placeholder text 'Find apps...' and a 'Clear' button. Below the search bar is a section titled 'Type' with two options: 'In-House (0)' and 'Public (1)'. A large blue 'Add' button is located above the table.

APP NAME	PLATFORM	AVG. RATING	U
MobileIron Go 2.10	iOS	★★★★★ 0	

3. Click the Add button.

4. For Apple iOS, select App Store from the dropdown menu and type Box for EMM in the Search box.



5. Click Box for EMM in the search results pane and click the Next button.

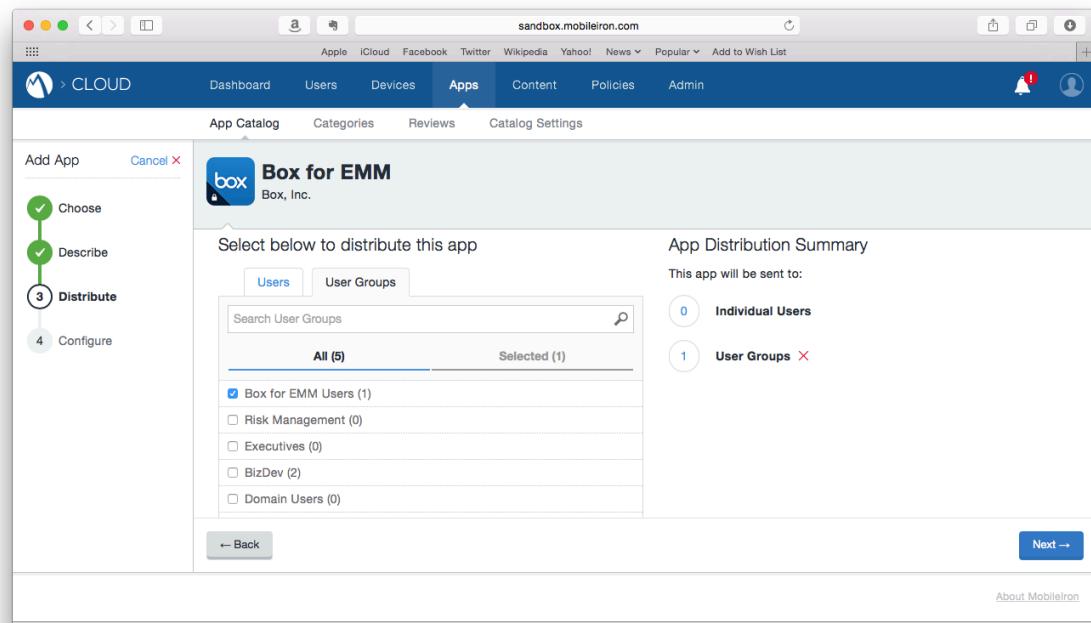
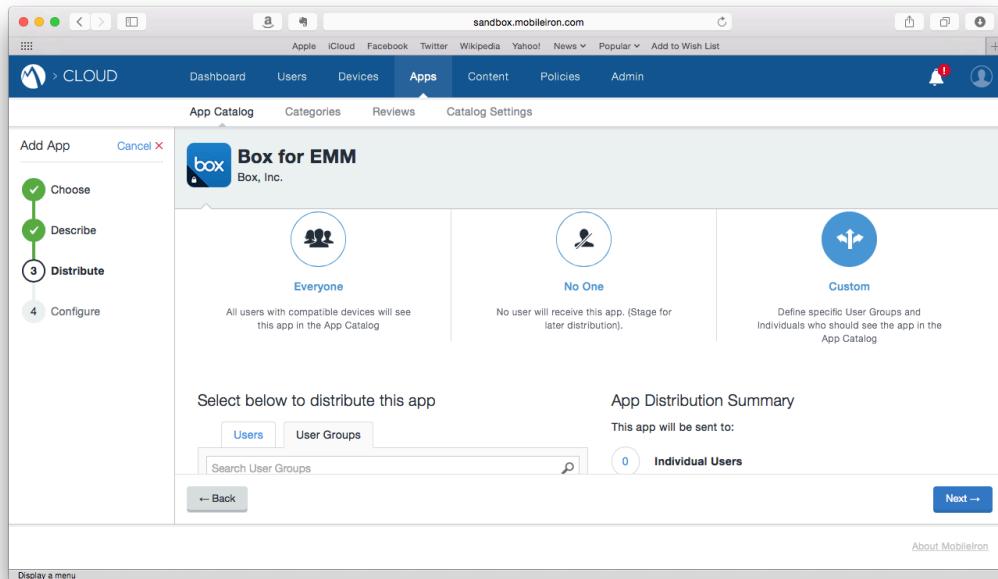
The screenshot shows the MobileIron Cloud interface. In the top navigation bar, the 'Apps' tab is selected. Below it, the 'App Catalog' section is active. A search bar contains the text 'Box for EMM'. The search results show one app entry: 'Box for EMM' by Box, Inc., which is categorized under 'Business Apps'. To the right of the app card, there are three other app cards: 'Docs@Work', 'Web@Work', and 'Email+ (iOS)'. At the bottom right of the main content area, there is a blue 'Next →' button.

6. Click the Next button.

This screenshot shows the 'Describe' step of the app configuration process. The 'Choose' step has been completed, indicated by a green checkmark next to the 'Choose' button. The 'Describe' step is currently active, with a green circle containing a '2'. The developer is listed as 'Box, Inc.' and the category is 'Business > Productivity'. There is a 'Description:' field with placeholder text 'Optional Comments to End User' and a note about Box for EMM compatibility with Box Enterprise workspaces. At the bottom right, there is a blue 'Next →' button.

Choose which users to distribute the Box for EMM app to

1. Choose an option for distributing the Box for EMM app to users and click the Next button. The illustrations below depict choosing a sample Directory Group called Box for EMM Users by selecting Custom, clicking the User Groups tab, and selecting the check box next to Box for EMM. Your environment and configuration may vary.

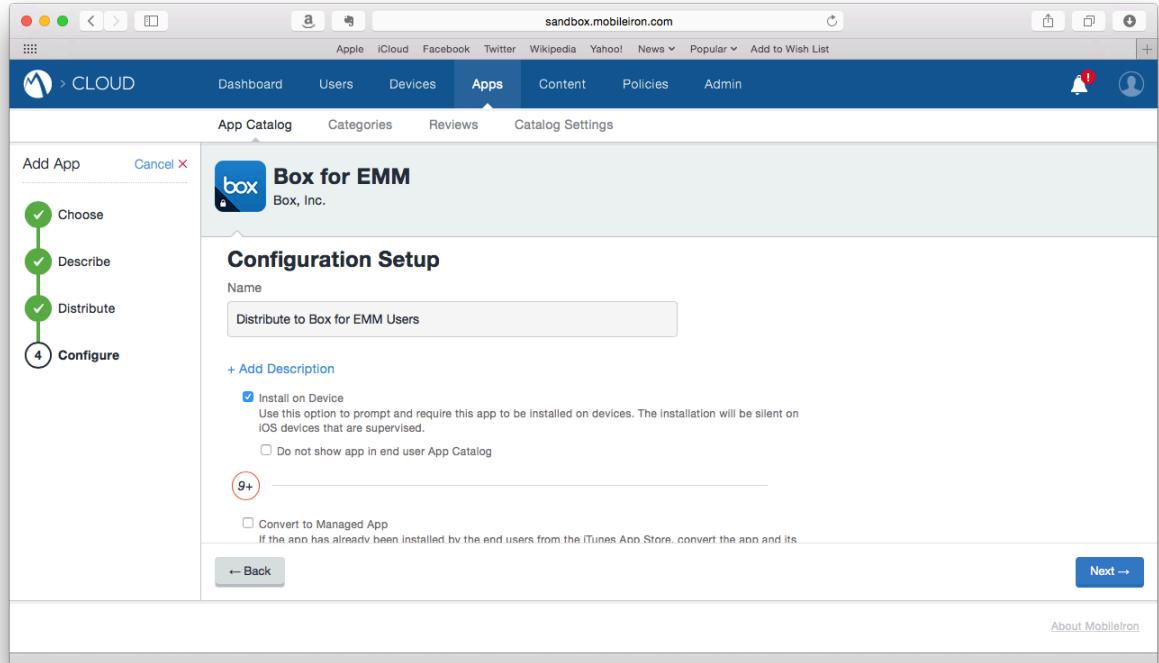


Configure the Box for EMM app

1. On the App Configurations screen, scroll to Install on device and click the + (Plus) button.

The screenshot shows the MobileIron Cloud interface for managing apps. The top navigation bar includes links for Dashboard, Users, Devices, Apps, Content, Policies, and Admin. A notification bell icon with a red exclamation mark is visible. The main content area is titled "App Catalog" and shows a search bar and filter options for Categories, Reviews, and Catalog Settings. A sidebar on the left lists steps: Choose, Describe, Distribute, and Configure, with "Configure" currently selected. The main panel displays the "Box for EMM" app by Box, Inc., with its logo. Below the app details, the "App Configurations" section is open, showing three configuration items: "Install on device", "Install Application configuration settings", and "iOS App Settings". Each item has a description and a "Done" button at the bottom right. The "Install on device" section also includes a dropdown menu set to "1" and a plus sign button. The "Install Application configuration settings" section includes a "All Users" button and a lock icon. The "iOS App Settings" section includes a "1" dropdown and a plus sign button. At the bottom of the configuration panel are "Back" and "Done" buttons. The footer of the page includes a "Display a menu" link and an "About MobileIron" link.

- Type a name for your configuration in the Name field and select the Check Box next to Install on Device.



- Scroll down to choose which users to distribute this configuration to and then click the Next button. As in the previous example, the following illustrations depict distributing the app configuration to a sample Directory Group called Box for EMM Users.

The screenshot shows the 'Add App' configuration process for the 'Box for EMM' app. The left sidebar lists four steps: Choose, Describe, Distribute, and Configure, with 'Configure' currently selected. The main area displays the 'Box for EMM' app details from Box, Inc. A note states: "If the app has already been installed by the end users from the iTunes App Store, convert the app and its data to a managed app. For devices that are supervised, this will be a transparent action. For unsupervised devices, the end user will be prompted to accept this conversion." Below this, a section titled "Distribute this App Config" asks "Choose one of these options". It offers three choices: "Everyone with App" (selected), "No One", and "Custom". The "Everyone with App" option is described as "All Users who have the app" and shows 0 users and 1 group. The "No One" option is described as "Stage this App Config for later distribution". The "Custom" option is described as "This config goes to a custom defined set of users and/or user groups". At the bottom are "Back" and "Next" buttons.

This screenshot continues the 'Configure' step for the 'Box for EMM' app. On the left, the 'Configure' sidebar is visible. The main area shows the 'Box for EMM' app details. A section titled "Select below to distribute this app configuration" contains tabs for "Users" and "User Groups", with "User Groups" selected. A search bar and buttons for "All (5)" and "Selected (1)" are shown. A list of user groups is provided, with "Box for EMM Users (1)" checked. To the right, a summary titled "App Configuration Distribution Summary" indicates the configuration will be sent to "Individual Users" (0) and "User Groups" (1). At the bottom are "Back" and "Next" buttons.

4. Scroll down to iOS App Settings and click the + (Plus) button.

The screenshot shows the 'Configure' step of the 'Add App' wizard for the 'Box for EMM' application. The 'iOS App Settings' section is currently selected. It contains two main configuration items:

- iOS Application Management configuration settings.**: Allows specifying application management configuration settings for iOS applications. It includes a 'All Users' permission level and a lock icon.
- Promotion**: Define how the app gets promoted and appears in the app catalog for specific groups or individuals. Options are: Not Featured, Featured List and Featured Banner. This has a default configuration that can be edited but not prioritized.

At the bottom right of the configuration panel is a 'Done' button.

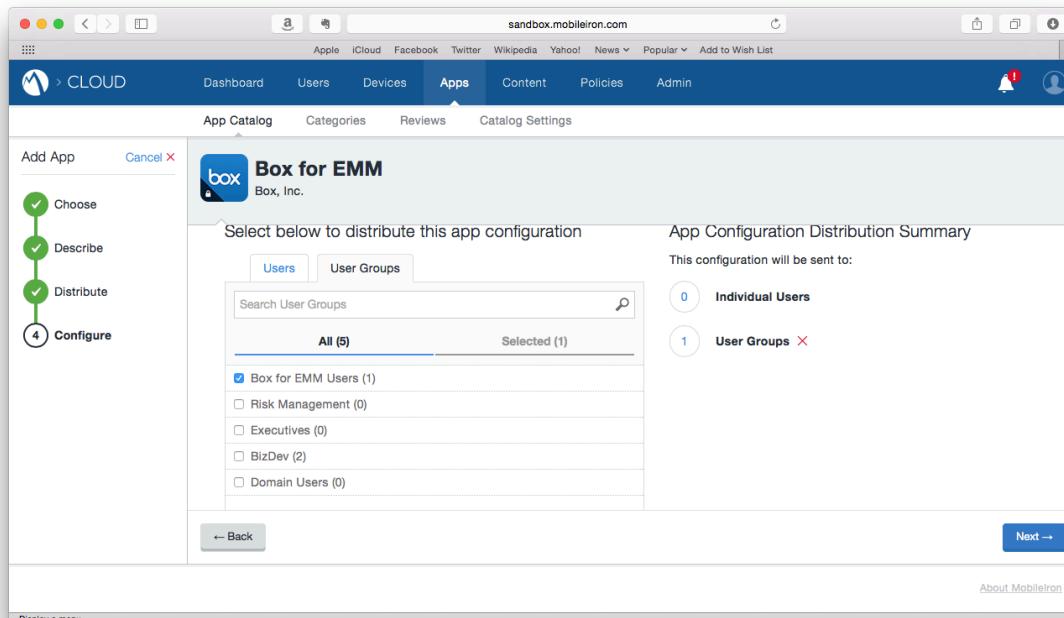
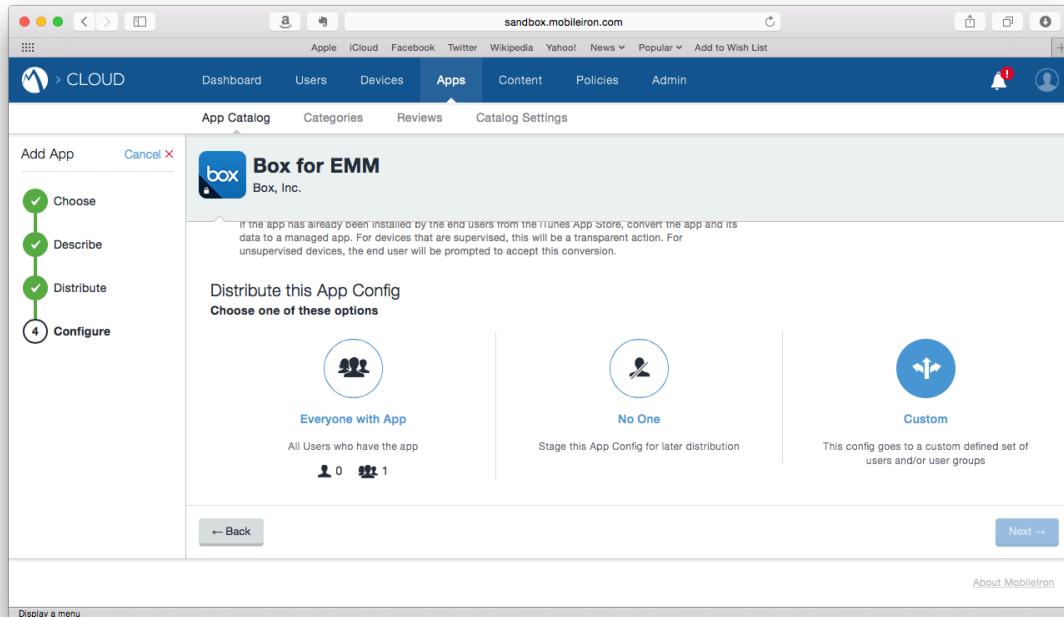
5. Type a name for your configuration in the Name field and select the Check Boxes next to Prevent backup to iCloud and iTunes and Remove Apps on Un-enrollment.

The screenshot shows the 'Configuration Setup' step of the 'Add App' wizard for the 'Box for EMM' application. The 'Name' field is filled with 'Box for EMM iOS App Mgmt Settings'. Below it, under 'iOS App Management Settings', there are two checkboxes:

- Prevent backup to iCloud and iTunes
- Remove apps on un-enrollment

A note below the checkboxes states: 'Note: These settings will apply to this app only and override any global settings selected in Apps > Catalog Settings.' At the bottom of the configuration setup panel is a 'Next →' button.

6. Scroll down to choose which users to distribute this configuration to and then click the Next button. As in the previous example, the following illustrations depict distributing the app configuration to a sample Directory Group called Box for EMM Users.



7. Scroll down to iOS Managed App Configuration and click the + (Plus) button.

The screenshot shows the 'Add App' wizard for the 'Box for EMM' application. The current step is 'Configure'. On the right, there is a list of configuration options:

- AppConnect Custom Configuration
- AppTunnel
- iOS Managed App Configuration (highlighted with a blue border and a plus sign)
- Per App VPN

At the bottom right of the configuration list is a 'Done' button.

8. Type a name for your configuration in the Name field.

The screenshot shows the 'Configuration Setup' page for the 'Box for EMM' application. The 'Name' field is filled with 'Box for EMM Managed App Config'. Below it, the 'iOS 7+ Managed App Settings' section is displayed, featuring a table with columns for 'Key' and 'Value'. A '+ Add' link is located above the table. At the bottom right is a 'Next →' button.

9. In the iOS 7+ Managed App Settings section, click + Add link.

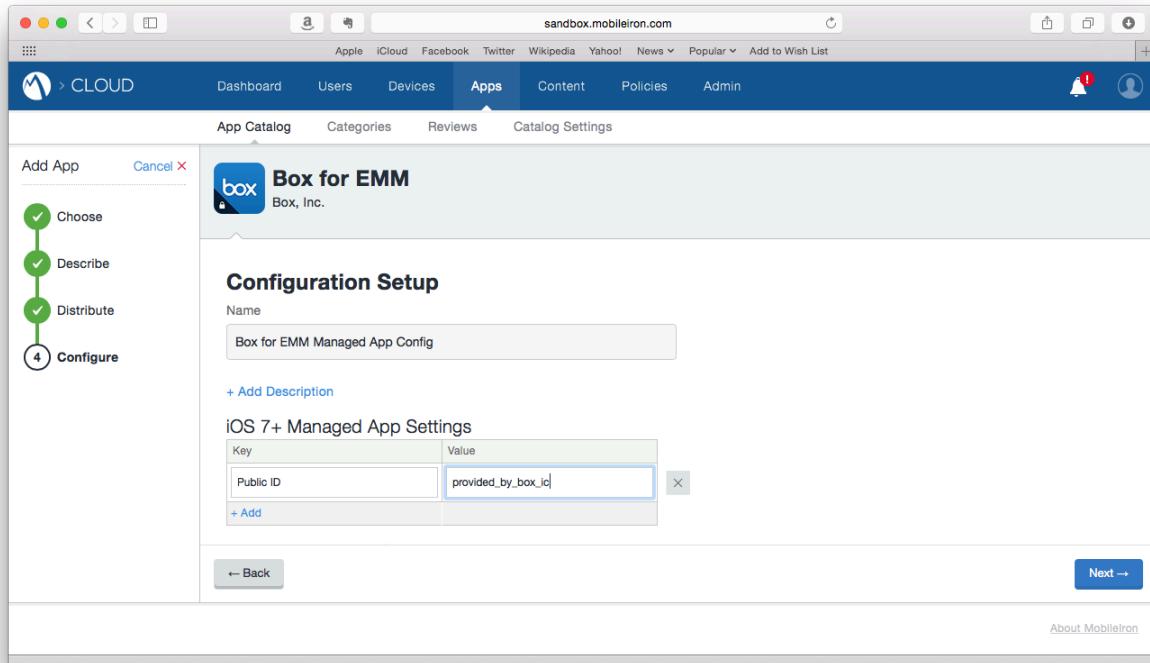
1 | CONFIGURING BOX FOR EMM ON MOBILEIRON CLOUD MOBILEIRON CONFIDENTIAL

10. In the text field in the Key column, type Public ID.

The screenshot shows the MobileIron Cloud interface for managing apps. The top navigation bar includes links for Dashboard, Users, Devices, Apps (selected), Content, Policies, and Admin. Below the navigation is a sub-menu for 'App Catalog' with options for Categories, Reviews, and Catalog Settings. On the left, a vertical sidebar lists four steps: Choose (done), Describe (done), Distribute (done), and Configure (step 4). The main content area displays the 'Box for EMM' app by Box, Inc. Under the heading 'Configuration Setup', there is a 'Name' field containing 'Box for EMM Managed App Config'. Below this is a table titled 'iOS 7+ Managed App Settings' with two columns: 'Key' and 'Value'. A single row is present with 'Public ID' in the 'Key' column and an empty input field in the 'Value' column. There are buttons for '+ Add Description', '+ Add', and 'Next →' at the bottom of the configuration section.

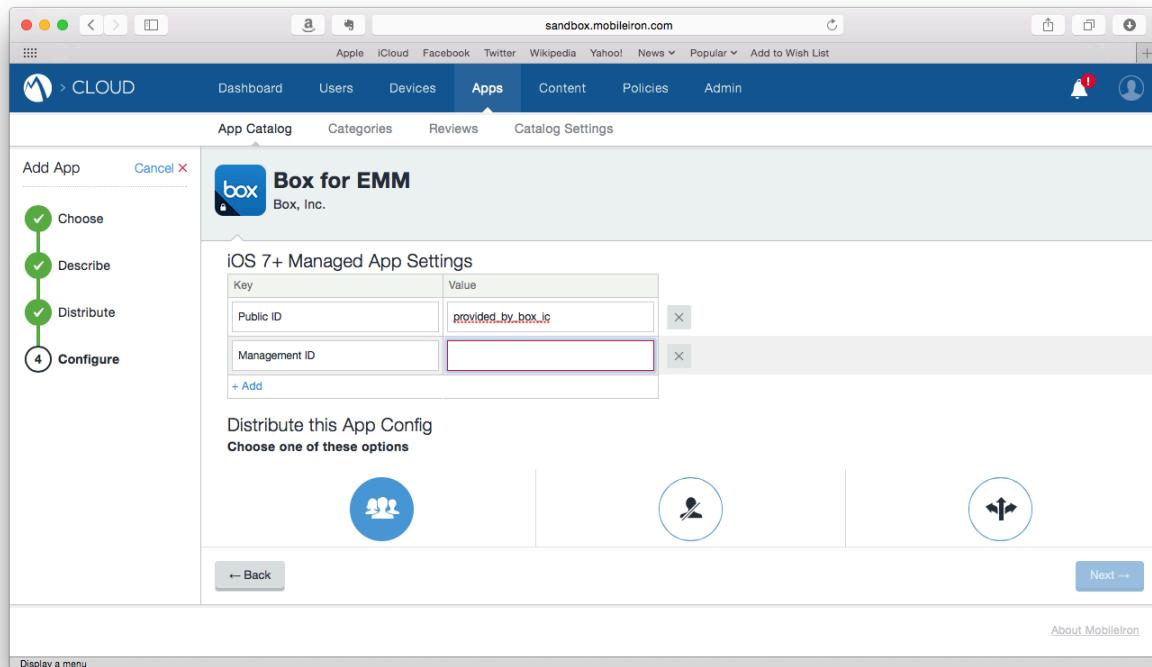
11. In the text field in the Value column, type the Public ID provided by your Box Implementation Consultant (IC) or Customer Success Manager (CSM).

Note: To ensure a proper Public ID value, when contacting your Box representative, please alert them that the product you are using is MobileIron Cloud.



12. Click the + Add link.

13. In the text field in the Key column, type Management ID.



1 | CONFIGURING BOX FOR EMM ON MOBILEIRON CLOUD

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14. In the text field under the Value column, type \${deviceUDID}.

The screenshot shows the 'Box for EMM' app configuration screen in the MobileIron Cloud interface. The navigation bar at the top includes links for Dashboard, Users, Devices, Apps (selected), Content, Policies, and Admin. Below the navigation is a sub-menu for 'App Catalog', 'Categories', 'Reviews', and 'Catalog Settings'. On the left, a vertical flowchart indicates the steps: Choose (done), Describe (done), Distribute (done), and Configure (step 4). The main area displays the 'Box for EMM' icon and its developer, Box, Inc. A table titled 'iOS 7+ Managed App Settings' lists two entries: 'Public ID' with value 'provided_by_box_ic' and 'Management ID' with value '\${deviceUDID}'. A '+ Add' button is visible below the table. Below the table, there's a section for distributing the app config, with three options: 'User' (selected), 'Group', and 'Device'. Navigation buttons at the bottom include 'Back', 'Next →', and 'About MobileIron'.

15. Click the + Add link.

16. In the text field under the Key column, type com.box.mdm.oneTimeToken.

This screenshot shows the same configuration step as the previous one, but with a different value entered in the 'Value' field. The 'Management ID' row now has 'com.box.mdm.oneTimeToken' in the 'Key' column and an empty text input field in the 'Value' column. The rest of the interface remains identical to the first screenshot, including the flowchart, table, distribution options, and navigation buttons.

17. In the text field under the Value column, type \${deviceUDID}.

The screenshot shows the MobileIron Cloud interface for adding an app. The 'Box for EMM' app is selected. The configuration table contains the following entries:

Key	Value
Public ID	provided_by_box_ic
Management ID	\$(deviceUDID)
com.box.mdm.oneTimeToken	\$(deviceUDID)

A '+ Add' link is located at the bottom of the table. Below the table, there is a section titled 'Distribute this App Config' with three distribution options: 'User Groups' (selected), 'Users', and 'Devices'.

18. Click the + Add link.

19. In the text field under the Key column, type User E-mail Address.

The screenshot shows the MobileIron Cloud interface for adding an app. The 'Box for EMM' app is selected. The configuration table now includes a new row for 'User E-mail Address' with an empty value field. The other rows remain the same: Public ID (provided_by_box_ic), Management ID (\${deviceUDID}), and com.box.mdm.oneTimeToken (\${deviceUDID}).

1 | CONFIGURING BOX FOR EMM ON MOBILEIRON CLOUD

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20. In the text field under the Value column, type \${userEmailAddress}.

The screenshot shows the 'Add App' wizard for 'Box for EMM'. The 'Configure' step is active. A table titled 'iOS 7+ Managed App Settings' lists four key-value pairs:

Key	Value
Public ID	provided_by_box_ic
Management ID	\$(deviceUDID)
com.box.mdm.oneTimeToken	\$(deviceUDID)
User E-mail Address	\$(userEmailAddress)

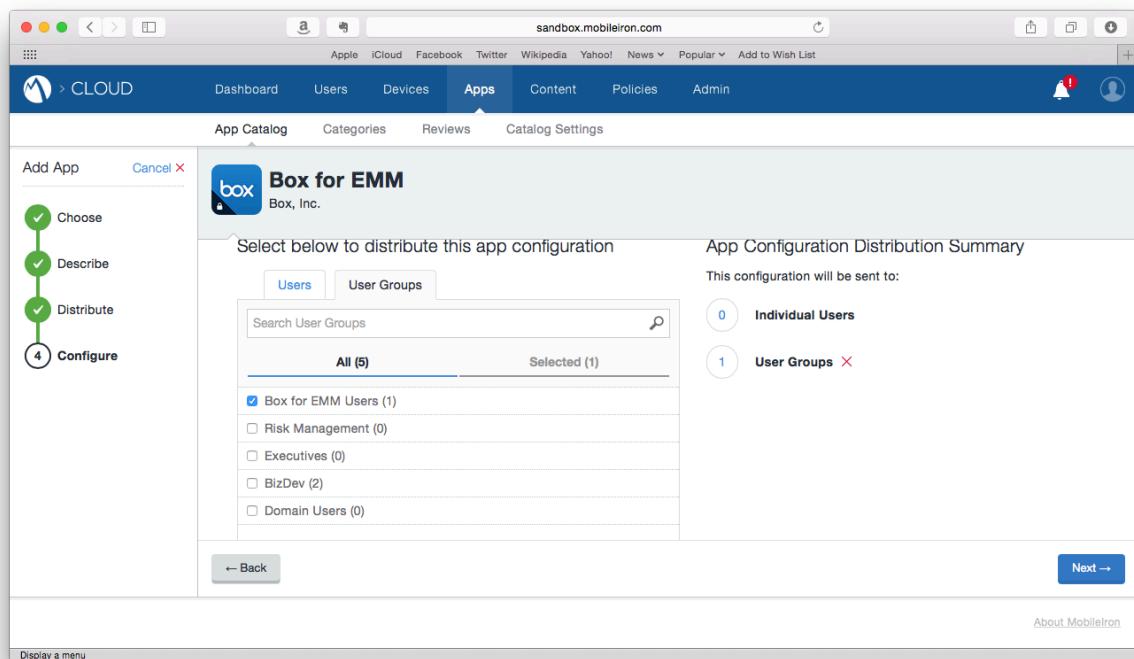
At the bottom right of the configuration screen is a 'Next →' button.

21. Scroll down to choose which users to distribute this configuration to and then click the Next button. As in the previous example, the following illustrations depict distributing the app configuration to a sample Directory Group called Box for EMM Users.

The screenshot shows the 'Add App' wizard for 'Box for EMM'. The 'Distribute' step is active. It displays three distribution options:

- Everyone with App**: Shows 0 users and 1 group. Description: All Users who have the app.
- No One**: Description: Stage this App Config for later distribution.
- Custom**: Description: This config goes to a custom defined set of users and/or user groups.

At the bottom right of the distribution screen is a 'Next →' button.



1 | CONFIGURING BOX FOR EMM ON MOBILEIRON CLOUD

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