



# White Paper

## Mobile Device Management

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## 1 Introduction

The Fabasoft Cloud App for iOS and Android can be configured via a Mobile Device Management System (MDM).

All MDM settings are considered as preferred settings, which means that changes made by the user itself are not overridden.

Each entry can be forced with a separate key. The key must have the prefix of the key to force and must end with `.Forced`.

The configuration will be evaluated as defined by the following matrix:

Configured by User	Configured by MDM	Forced by MDM	Result
			Default Value
	X		Configured by MDM
		X	Default Value
	X	X	Configured by MDM
X			Configured by User
X	X		Configured by User
X		X	Configured by User
X	X	X	Configured by MDM

## 2 Apple iOS

The Fabasoft Cloud app supports the following MDM settings:

Key	Type	Required	Description
ShowSupportWhenUserShake	boolean	no	Defines whether the support dialog should be opened when the user shakes the device. Value can be <code>true</code> or <code>false</code> .
ShowSupportWhenUserShake.Forced	boolean	no	Defines whether the setting for ShowSupportWhenUserShake should be forced from MDM. Value can be <code>true</code> or <code>false</code> .
ShowSupportWhenUserTakeScreenshot	boolean	no	Defines whether the support dialog should be opened when the user

			takes a screenshot. Value can be true or false.
ShowSupportWhenUserTakeScreenshot.Forced	boolean	no	Defines whether the setting for ShowSupportWhenUserTakeScreenshot should be forced from MDM. Value can be true or false.
ShowPreviewForWorklistFolders	boolean	no	Defines whether folders opened from the worklist should be shown as PDF overview. Value can be true or false.
ShowPreviewForWorklistFolders.Forced	boolean	no	Defines whether the setting for ShowPreviewForWorklistFolders should be forced from MDM. Value can be true or false.
SyncOnLan.Disabled.Forced	boolean	no	Defines whether the feature LAN synchronization is available. Value can be true or false.
SyncOnLan.SSIDs	array	no	Defines the trusted networks in which LAN synchronization can be used. The defined values from MDM cannot be altered by the user. The user might define additional trusted networks. Value must be an array of strings.
SyncOnLan.SSIDs.Forced	boolean	no	Defines whether the setting for SyncOnLan.SSIDs should be forced from MDM. Value can be true or false.
CloudServices	array	no	Defines the available cloud services for the user. Value must be an array of dictionaries, see description below.
CloudServices.Forced	boolean	no	Defines whether the setting for CloudServices should be forced from MDM. Value can be true or false. When true, all other defined cloud services will be removed and adding new cloud services is disabled. When false, the cloud services will be added to the list of available cloud services.

OptionalPasscode	boolean	no	Defines whether the user can decide if the passcode should be enabled or disabled. When not set the passcode is always enabled and cannot be disabled. Value can be true OR false.
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Each entry in the `CloudServices` array is a dictionary (`dict`) and must contain the following values:

Key	Type	Required	Description
<code>CloudService</code>	<code>dict</code>	yes	Dictionary container for value.
<code>CloudService.Name</code>	<code>string</code>	yes	Defines the name for the cloud service. Value can be any string.
<code>CloudService.Hostname</code>	<code>string</code>	yes	Defines the hostname for the cloud service. Value must be unique. Value must be a valid hostname.

Multiple cloud services with the same hostname are not allowed. When multiple cloud services with the same hostname are configured, the name from the last configured dictionary will be used.

## 2.1 Example

### Configuration Example

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN"
"http://www.apple.com/DTDs/PropertyList-1.0.dtd">
<plist version="1.0">
<dict>
  <key>ShowSupportWhenUserShake</key>
  <false/>
  <key>ShowSupportWhenUserShake.Forced</key>
  <false/>
  <key>ShowSupportWhenUserTakeScreenshot</key>
  <true/>
  <key>ShowSupportWhenUserTakeScreenshot.Forced</key>
  <false/>
  <key>ShowPreviewForWorklistFolders</key>
  <true/>
  <key>ShowPreviewForWorklistFolders.Forced</key>
  <true/>
  <key>SyncOnLan.Disabled.Forced</key>
  <false/>
  <key>SyncOnLan.SSIDs</key>
  <array>
    <string>My WiFi1 SSID</string>
    <string>My WiFi2 SSID</string>
  </array>
  <key>SyncOnLan.SSIDs.Forced</key>
  <false/>
  <key>CloudServices</key>
  <array>
    <dict>
      <key>CloudService.Name</key>
      <string>My Fabasoft Private Cloud</string>
      <key>CloudService.Hostname</key>
      <string>myfabasoftcloud.example.com</string>
    </dict>
  </array>
</plist>
```

```

<key>CloudServices.Forced</key>
<true/>
<key>OptionalPasscode</key>
<true/>
</dict>
</plist>

```

## 2.2 Alternative Format for Cloud Services Configuration

Some MDM systems do not support nested dictionaries (`dict`), therefore it is not possible to configure cloud services using the key "CloudServices". As an alternative cloud services can be configured using multiple arrays. To use the alternative format the key "CloudServices" must be replaced with the following values:

Key	Type	Required	Description
CloudServices.List.Name	array	no	Defines the available cloud services for the user. Value must be an array of strings, see description below.
CloudServices.List.Hostname	array	no	Defines the available cloud services for the user. Value must be an array of strings, see description below.

Each entry in the `CloudServices.List.Name/CloudServices.List.Hostname` array is a string (`string`). The number of entries in both arrays must match.

The entries in `CloudServices.List.Name` define the names for the cloud services. Values can be any string.

The entries in `CloudServices.List.Hostname` define the hostnames for the cloud services. Values must be unique. Values must be a valid hostname.

Multiple cloud services with the same hostname are not allowed. When multiple cloud services with the same hostname are configured, the name from the last configured entry will be used.

### 2.2.1 Example

#### Configuration Example

```

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN"
"http://www.apple.com/DTDs/PropertyList-1.0.dtd">
<plist version="1.0">
<dict>
  <key>CloudServices.List.Name</key>
  <array>
    <string>My Fabasoft Private Cloud</string>
  </array>
  <key>CloudServices.List.Hostname</key>
  <array>
    <string>myfabasoftcloud.example.com</string>
  </array>
  <key>CloudServices.Forced</key>
  <true/>
</dict>
</plist>

```

### 3 Android

The Fabasoft Cloud app supports the following MDM settings:

Key	Type	Required	Description
ShowSupportWhenUserShake	boolean	no	Defines whether the support dialog should be opened when the user shakes the device. Value can be true or false.
ShowSupportWhenUserShake.Forced	boolean	no	Defines whether the setting for ShowSupportWhenUserShake should be forced from MDM. Value can be true or false.
ShowPreviewForWorklistFolders	boolean	no	Defines whether folders opened from the worklist should be shown as PDF overview. Value can be true or false.
ShowPreviewForWorklistFolders.Forced	boolean	no	Defines whether the setting for ShowPreviewForWorklistFolders should be forced from MDM. Value can be true or false.
SyncOnLan.Disabled.Forced	boolean	no	Defines whether the feature LAN synchronization is available. Value can be true or false.
SyncOnLan.SSIDs	bundle_array	no	Defines the trusted networks in which LAN synchronization can be used. The defined values from MDM cannot be altered by the user. The user might define additional trusted networks. Value must be an array of dictionaries, see description below.
SyncOnLan.SSIDs.Forced	boolean	no	Defines whether the setting for SyncOnLan.SSIDs should be forced from MDM. Value can be true or false.
CloudServices	bundle_array	no	Defines the available cloud services for the user. Value must be an array of bundles, see description below.
CloudServices.Forced	boolean	no	Defines whether the setting for CloudServices should be forced from MDM. Value can be true or false. When true, all other defined



			cloud services will be removed and adding new cloud services is disabled. When <code>false</code> , the cloud services will be added to the list of available cloud services.
OptionalPasscode	boolean	no	Defines whether the user can decide if the passcode should be enabled or disabled. When not set the passcode is always enabled and cannot be disabled. Value can be <code>true</code> OR <code>false</code> .

Each entry in the `SyncOnLan.SSIDs` array is a bundle and must contain the following values:

Key	Type	Required	Description
<code>SyncOnLan.SSID</code>	bundle	yes	Bundle container for value.
<code>SyncOnLan.SSID.Value</code>	string	yes	Defines the SSID of a trusted network in which LAN synchronization can be. Value can be any string.

Each entry in the `CloudServices` array is a bundle and must contain the following values:

Key	Type	Required	Description
<code>CloudService</code>	bundle	yes	Bundle container for value.
<code>CloudService.Name</code>	string	yes	Defines the name for the cloud service. Value can be any string.
<code>CloudService.Hostname</code>	string	yes	Defines the hostname for the cloud service. Value must be unique. Value must be a valid hostname.

Multiple cloud services with the same hostname are not allowed. When multiple cloud services with the same hostname are configured, the name from the last configured bundle will be used.

### 3.1 Example

#### Configuration Example

```
<restrictions xmlns:android="http://schemas.android.com/apk/res/android">
  <restriction android:defaultValue="true"
    android:key="ShowSupportWhenUserShake"
    android:restrictionType="bool"/>
  <restriction android:defaultValue="false"
    android:key="ShowSupportWhenUserShake.Forced"
    android:restrictionType="bool"/>
  <restriction android:defaultValue="false"
    android:key="ShowPreviewForWorklistFolders"
    android:restrictionType="bool"/>
</restrictions>
```

```

<restriction android:defaultValue="false"
    android:key="ShowPreviewForWorklistFolders.Forced"
    android:restrictionType="bool"/>
<restriction android:defaultValue="false"
    android:key="SyncOnLan.Disabled.Forced"
    android:restrictionType="bool"/>
<restriction android:key="SyncOnLan.SSIDs"
    android:restrictionType="bundle_array"
    <restriction android:key="SyncOnLan.SSID"
        android:restrictionType="bundle">
        <restriction android:defaultValue="My WiFi1 SSID"
            android:key="SyncOnLan.SSID.Value"
            android:restrictionType="string"/>
        </restriction>
        <restriction android:key="SyncOnLan.SSID"
            android:restrictionType="bundle">
            <restriction android:defaultValue="My WiFi2 SSID"
                android:key="SyncOnLan.SSID.Value"
                android:restrictionType="string"/>
            </restriction>
        </restriction>
    </restriction>
<restriction android:defaultValue="false"
    android:key="SyncOnLan.SSIDs.Forced"
    android:restrictionType="bool"/>
<restriction android:key="CloudServices"
    android:restrictionType="bundle_array">
    <restriction android:key="CloudService"
        android:restrictionType="bundle">
        <restriction android:defaultValue="My Fabasoft Private Cloud"
            android:key="CloudService.Name"
            android:restrictionType="string"/>
        <restriction android:defaultValue="myfabasoftcloud.example.com"
            android:key="CloudService.Hostname"
            android:restrictionType="string"/>
        </restriction>
    </restriction>
</restriction>
<restriction android:defaultValue="false"
    android:key="CloudServices.Forced"
    android:restrictionType="bool">
</restriction>
<restriction android:defaultValue="false"
    android:key="OptionalPasscode"
    android:restrictionType="bool">
</restriction>
</restrictions>

```