

**Main page:** [Cisco Unity Express -- REST PI Service Operations](#)

**Previous page:** [Cisco Unity Express -- User and Group Management REST PI Service Operation](#)

**Next page:** [Cisco Unity Express -- Operations and Privileges REST PI Service Operation](#)

**Search the Cisco Unity Express documentation on the DocWiki:**

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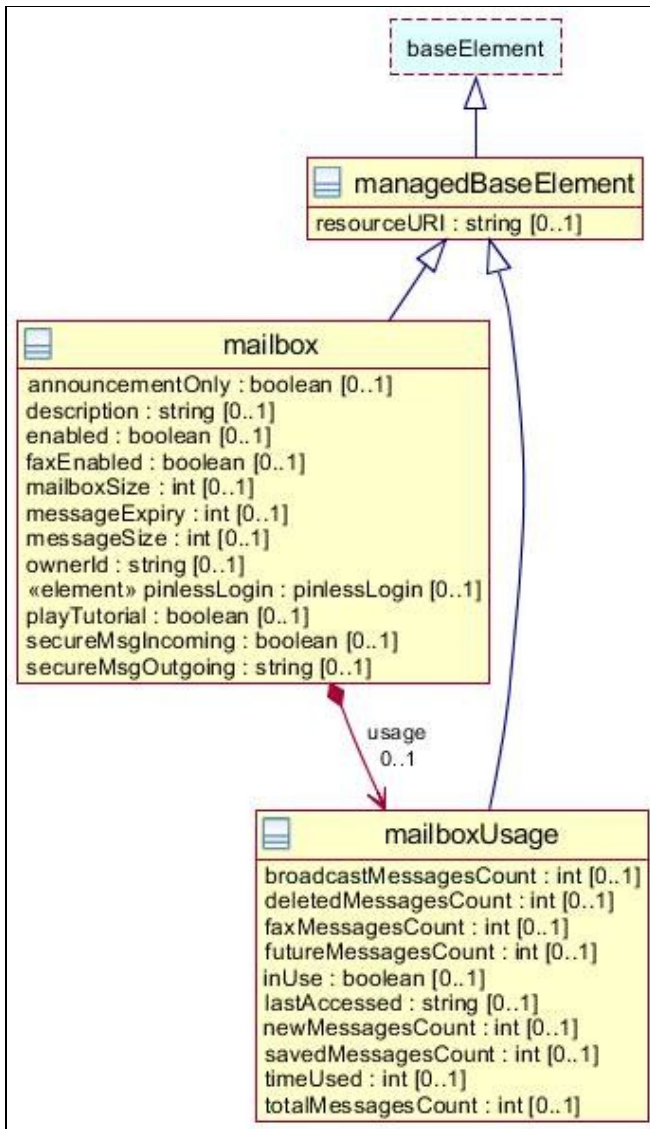
## Contents

- [1 Mailbox](#)
  - ◆ [1.1 Classes](#)
    - ◇ [1.1.1 Mailbox](#)
    - ◇ [1.1.2 PinlessLogin](#)
    - ◇ [1.1.3 MailboxUsage](#)
  - ◆ [1.2 Resources](#)
  - ◆ [1.3 Mailbox Examples](#)
    - ◇ [1.3.1 Create Mailbox for a User](#)
    - ◇ [1.3.2 Read Selective Fields from all Mailboxes](#)

### Mailbox

#### Classes

#### Figure 6: Mailbox and MailboxUsage



**Mailbox**

<b>Class Name</b>	Mailbox		
<b>Extends From</b>	ManagedBaseElement		
<b>Description</b>	Represents voicemail mailbox for a subscriber or group.		
<b>XML Namespace</b>	http://mailbox.model.rest.voicemail.aesop.cisco.com		
<b>Field Name</b>	<b>Type</b>	<b>Constraints</b>	<b>Comments</b>
ownerId	String	Required for create operation Length 2 -31	userId or groupId of the mailbox owner
announcementOnly	Boolean		Specifies that the mailbox cannot be used to leave messages. It is can only be used to

## Cisco\_Unity\_Express\_--\_Mailbox\_REST\_API\_Service\_Operation

			make announcements.
description	String	Length 0-64	Text description for the mailbox.
enabled	Boolean		Denotes if the mailbox is activated or deactivated.
faxEnabled	Boolean		Specifies whether the mailbox is enabled to receive faxes from the fax gateway.
mailboxSize	Integer		Specifies the storage size of the mailbox, in seconds.
messageExpiry	Integer	Range 1-365	Specifies the length of time in days that messages can be stored in the mailbox.
messageSize	Integer	Range 10-3600	Specifies the maximum length in seconds of a message that can be stored in the mailbox.
playTutorial	Boolean		Specifies whether the tutorial should be played. The default is enabled.
pinlessLogin	PinlessLogin		Options for allowing voicemail subscribers to login to their mailbox without any PIN. Used for personal mailboxes only.
secureMsgIncoming	Boolean		Indicates if all incoming messages are to be marked "secured".
secureMsgOutgoing	String	Possible values are "global", "never", "ask", "always" and	Secure message setting for outgoing messages.

## Cisco\_Unity\_Express\_--\_Mailbox\_REST\_PI\_Service\_Operation

		"private"	
usage	MailboxUsage	Read Only	Various data related to the mailbox usage. It is accessed during GET call only.

## PinlessLogin

<b>Class Name</b>	PinlessLogin ( <i>Enumeration Class</i> )
<b>Extends From</b>	
<b>Description</b>	Enumerates options for allowing voicemail subscribers to login to their mailbox without any PIN using either TUI or VoiceView Express (VVE). A subscriber can login into his mailbox without a PIN either from his primary extension or from any other phone based on the "pinlessLogin" configuration for that subscriber. For personal mailboxes only.
<b>XML Namespace</b>	http://mailbox.model.rest.voicemail.aesop.cisco.com
<b>Enum Values</b>	AnyPhone, SubscribersPhone, Disabled

## MailboxUsage

<b>Class Name</b>	MailboxUsage		
<b>Extends From</b>	ManagedBaseElement		
<b>Description</b>	Used for displaying various usage parameters for a voicemail mailbox. The data provided by this class is read only and not used during POST and PUT operations.		
<b>XML Namespace</b>	http://mailbox.model.rest.voicemail.aesop.cisco.com		
<b>Field Name</b>	<b>Type</b>	<b>Constraints</b>	<b>Comments</b>
broadcastMessagesCount	Integer		Number of broadcast messages in the mailbox.
deletedMessagesCount	Integer		Number of messages deleted from the mailbox.
faxMessagesCount	Integer		Number of faxes in the mailbox.
futureMessagesCount	Integer		Number of messages scheduled for future delivery.
inUse	Boolean		Current activity state of the mailbox.

## Cisco\_Unity\_Express\_--\_Mailbox\_REST\_API\_Service\_Operation

lastAccessed	String	Time stamp for when the mailbox was last accessed.
newMessagesCount	Integer	Number of new messages in the mailbox.
savedMessagesCount	Integer	Number of saved messages in the mailbox.
timeUsed	Integer	Number of seconds used for currently stored messages.
totalMessagesCount	Integer	Number of all stored messages in the mailbox.

### Resources

Resource URI	Operation	Input	Return Value
/voicemail/mailboxes	GET (read all mailboxes)		BaseElementList containing "Mailbox" objects.
	POST (create a mailbox)	Mailbox	
/voicemail/mailboxes/{ownerid} (ownerid can be either userId or groupId)	GET (read a mailbox for a given ownerid)		Mailbox
	PUT (update mailbox for ownerid)	Mailbox	
	DELETE (delete mailbox owned by ownerid)		
/voicemail/mailboxes/{ownerid}/usage	GET (Read usage for a given mailbox)		MailboxUsage

### Mailbox Examples

#### Create Mailbox for a User

Create mailbox for user userX. Data for the new mailbox is read from local file ./data/create\_mailbox\_userx.xml.

```
$ cat ./data/create_mailbox_userx.xml
```

MailboxUsage

## Cisco\_Unity\_Express\_--\_Mailbox\_REST\_API\_Service\_Operation

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<mailbox>
  <ownerId>userX</ownerId>
  <announcementOnly>false</announcementOnly>
  <description>A test mailbox</description>
  <enabled>true</enabled>
  <faxEnabled>true</faxEnabled>
  <mailboxSize>4320</mailboxSize>
  <messageExpiry>30</messageExpiry>
  <messageSize>240</messageSize>
  <pinlessLogin>Disabled</pinlessLogin>
  <playTutorial>true</playTutorial>
</mailbox>
```

```
$ curl -i -X POST -H 'Authorization: Basic Y2lzY286Y2lzY28=' -H 'Content-type:
application/xml' -d @./data/create_mailbox_userx.xml
http://172.27.104.144/rest/voicemail/mailboxes
```

```
HTTP/1.1 201 Created
Server: Apache-Coyote/1.1
Set-Cookie: JSESSIONID=683EAECECEC68455363B8553AB5D153CC; Path=/rest
PI-Version: 8.0.0.150
Location: http://172.27.104.144/rest/voicemail/mailboxes/voicemail/mailboxes/userX
Content-Type: text/plain
Transfer-Encoding: chunked
Date: Fri, 04 Dec 2009 09:11:12 GMT
```

```
Created - /voicemail/mailboxes/userX
```

### Read Selective Fields from all Mailboxes

Read fields mailboxSize and description for all mailboxes.

```
$ curl -i -X GET -H 'Authorization: Basic Y2lzY286Y2lzY28='
http://172.27.104.144/rest/voicemail/mailboxes?fields=description,mailboxSize
```

```
HTTP/1.1 200 OK
Server: Apache-Coyote/1.1
Set-Cookie: JSESSIONID=2D3751D30B72DA71426F6BD88591FE1A; Path=/rest
PI-Version: 8.0.0.150
Content-Type: application/octet-stream
Transfer-Encoding: chunked
Date: Fri, 04 Dec 2009 09:27:50 GMT
```

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<baseElementList>
  <baseElement xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:ns3="http://mailbox.model.rest.voicemail.aesop.cisco.com"
xsi:type="ns3:mailbox">
    <resourceURI>/voicemail/mailboxes/userX</resourceURI>
    <description>A test mailbox</description>
    <mailboxSize>4320</mailboxSize>
  </baseElement>
  <baseElement xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance<nowiki>"
xmlns:ns3="<nowiki>http://mailbox.model.rest.voicemail.aesop.cisco.com<nowiki>"
xsi:type="ns3:mailbox">
    <resourceURI>/voicemail/mailboxes/groupX</resourceURI>
    <description>GDM for group X</description>
    <mailboxSize>4320</mailboxSize>
  </baseElement>
</baseElementList>
```

