



Cisco Unity Connection Provisioning Interface (CUPI) API -- User Password PIN Settings

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User Password and PIN Settings API

Listing User PIN Settings

```
GET https://<Connection-server>/vmrest/users/<user-objectid>/credential/pin
```

The following is the response from the above *GET* request and the actual response will depend upon the information given by you:

```
<Credential>
  <URI>/vmrest/users/9375d893-c8eb-437b-90bf-7de4b1d0c3e8/credential/pin</URI>
  <UserObjectId>9375d893-c8eb-437b-90bf-7de4b1d0c3e8</UserObjectId>
  <CredentialType>4</CredentialType>
  <Credentials/>
  <IsPrimary>>false</IsPrimary>
  <CantChange>>false</CantChange>
  <DoesntExpire>>true</DoesntExpire>
  <TimeChanged>2013-03-05 11:24:33.344</TimeChanged>
  <HackCount>5</HackCount>
  <Locked>>true</Locked>
  <TimeLastHack>2013-03-11 10:23:30.581</TimeLastHack>
  <TimeLockout>2013-03-05 11:24:33.344</TimeLockout>
  <Alias>Texoma</Alias>
  <CredMustChange>>true</CredMustChange>
  <CredentialPolicyObjectId>a97ff291-8e60-475a-b7ee-e956ae83a730</CredentialPolicyObjectId>

  <Hacked>>false</Hacked>
  <ObjectId>3f6f1cb0-3b00-45b5-91fd-d8553737eec7</ObjectId>
  <EncryptionType>3</EncryptionType>
</Credential>
```

```
Response Code: 200
```

Listing User Password Settings

```
GET https://<Connection-server>/vmrest/users/<user-objectid>/credential/password
```

The following is the response from the above *GET* request and the actual response will depend upon the information given by you:

```
<Credential>
  <URI>/vmrest/users/9375d893-c8eb-437b-90bf-7de4b1d0c3e8/credential/password</URI>
  <UserObjectId>9375d893-c8eb-437b-90bf-7de4b1d0c3e8</UserObjectId>
  <CredentialType>3</CredentialType>
  <Credentials/>
  <IsPrimary>>false</IsPrimary>
  <CantChange>>false</CantChange>
  <DoesntExpire>>true</DoesntExpire>
  <TimeChanged>2013-03-05 11:24:33.344</TimeChanged>
  <HackCount>5</HackCount>
  <Locked>>true</Locked>
  <TimeLastHack>2013-03-11 10:23:30.581</TimeLastHack>
  <TimeLockout>2013-03-05 11:24:33.344</TimeLockout>
  <Alias>Texoma</Alias>
  <CredMustChange>>true</CredMustChange>
  <CredentialPolicyObjectId>a97ff291-8e60-475a-b7ee-e956ae83a730</CredentialPolicyObjectId>

  <Hacked>>false</Hacked>
  <ObjectId>3f6f1cb0-3b00-45b5-91fd-d8553737eec7</ObjectId>
  <EncryptionType>3</EncryptionType>
</Credential>
```

```
Response Code: 200
```

JSON Example

```
GET https://<Connection-server>/vmrest/users/<user-objectid>/credential/password
Accept: application/json
Content-type: application/json
Connection: keep-alive
```

The following is the response from the above *GET* request and the actual response will depend upon the information given by you:

```
{
  "URI": "/vmrest/users/9375d893-c8eb-437b-90bf-7de4b1d0c3e8/credential/password"
  "UserObjectId": "9375d893-c8eb-437b-90bf-7de4b1d0c3e8"
  "CredentialType": "3"
  "Credentials"
  "IsPrimary": "false"
  "CantChange": "false"
  "DoesntExpire": "true"
  "TimeChanged": "2013-03-05 11:24:33.344"
  "HackCount": "5"
  "Locked": "true"
  "TimeLastHack": "2013-03-11 10:23:30.581"
  "TimeLockout": "2013-03-05 11:24:33.344"
  "Alias": "Texoma"
  "CredMustChange": "true"
  "CredentialPolicyObjectId": "a97ff291-8e60-475a-b7ee-e956ae83a730"
  "Hacked": "false"
  "ObjectId": "3f6f1cb0-3b00-45b5-91fd-d8553737eec7"
  "EncryptionType": "3"
}
```

Response Code: 200

Update Password/PIN Settings

For PIN:

```
PUT https://<Connection-server>/vmrest/users/<user-objectid>/credential/pin
```

For Password:

```
PUT https://<Connection-server>/vmrest/users/<user-objectid>/credential/password
```

```
<Credential>
  <Locked>false</Locked>
  <DoesntExpire>true</DoesntExpire>
  <CredMustChange>true</CredMustChange>
  <CredentialPolicyObjectId>43e16996-57c6-46c4-86c0-f37d2edf0385</CredentialPolicyObjectId>
</Credential>
```

The following is the response from the above *PUT* request and the actual response will depend upon the information given by you:

Response Code: 204

Unlock Password/PIN Settings

A user's PIN is the password that a user must enter over the phone to sign into their mailbox to listen or send new messages by phone. To change a user's PIN you need the object ID of the user. A user's password is the web application password that is required to interact with web applications, such as the Cisco PCA or the Inbox applications.

For Password:

```
PUT https://<Connection-server>/vmrest/users/<user-objectid>/credential/password
```

For PIN:

```
PUT https://<Connection-server>/vmrest/users/<user-objectid>/credential/pin
```

```
<Credential>
  <HackCount>0</HackCount>
  <TimeHacked></TimeHacked>
</Credential>
```

The following is the response from the above *PUT* request and the actual response will depend upon the information given by you:

```
Response Code: 204
```

JSON Example:

To Unlock Password:

```
PUT https://<Connection-server>/vmrest/users/<user-objectid>/credential/password
Accept: application/json
Content-type: application/json
Connection: keep-alive
Response Body:
{
  "HackCount": "0",
  "TimeHacked": ""
}
```

The following is the response from the above *PUT* request and the actual response will depend upon the information given by you:

```
Response Code: 204
```

To Unlock Password

```
PUT https://<Connection-server>/vmrest/users/<user-objectid>/credential/password
Accept: application/json
Content-type: application/json
Connection: keep-alive
Response Body:
{
  "HackCount": "0",
  "TimeHacked": ""
}
```

The following is the response from the above *PUT* request and the actual response will depend upon the information given by you:

```
Response Code: 204
```

Change Password/PIN

For Password: PUT

```
https://<Connection-server>/vmrest/users/<user-objectid>/credential/password
```

For PIN:

```
PUT https://<Connection-server>/vmrest/users/<user-objectid>/credential/pin
```

```
<Credential>
  <Credentials>ciscfo1234</Credentials>
</Credential>
```

The following is the response from the above *PUT* request and the actual response will depend upon the information given by you:

```
Response Code: 204
```

JSON Example:

To Update PIN

```
PUT https://<Connection-server>/vmrest/users/<user-objectid>/credential/pin
Accept: application/json
Content-type: application/json
Connection: keep-alive
Response Body:
{
  "Credentials":"cisco1234"
}
```

The following is the response from the above *PUT* request and the actual response will depend upon the information given by you:

```
Response Code: 204
```

Explanation of Data Fields

Field Name	Data Type	Operation	Description
Locked	Boolean	Read/Write	A flag indicating whether access to the user account associated with this set of credentials is locked. Possible values: <ul style="list-style-type: none"> • true • false Default value: false
CantChange	Boolean	Read/Write	A flag indicating whether the user can set this credential. Possible values: <ul style="list-style-type: none"> • false: User can change credential • true: User cannot change credential Default Value: false

Field Name	Data Type	Operation	Description
CredMustChange	Boolean	Read/Write	A flag indicating whether the user must change their credentials (PIN or password) at the next login. Possible values: <ul style="list-style-type: none"> • true • false Default Value :true
DoesntExpire	Boolean	Read/Write	A flag indicating whether this user credential will expire, and therefore the user must change the credential periodically. However, if the credential does not expire (value = "true"), the user still may change the credential (if allowed by CantChange). Possible values: <ul style="list-style-type: none"> • true • false Default value: false
CredentialPolicyObjectId	String(36)	Read/Write	The unique identifier of the CredentialPolicy object that is associated with this credential. Value for this parameter can be fetched from the objectid parameter. Response of the following URI: GET: https://<connection-server>/vmrest/credentialpolicies.
TimeChanged	datetime(8)	Read/Write	The unique identifier of the CredentialPolicy object that is associated with this credential. Value for this parameter can be fetched from the objectid parameter. Response of the following URI: GET: https://<connection-server>/vmrest/credentialpolicies.
HackCount	Integer(4)	Read/Write	The number of logon attempted that failed due to invalid credentials. The Unity system or external authentication provider determined that the credentials supplied as part of a user logon attempt were invalid. Default value: 0
TimeLastHack	datetime(8)	Read/Write	The date and time of the last logon attempt with an invalid user credential.
TimeLockout	datetime(8)	Read/Write	The date and time that the credential was locked by an administrator.
TimeHacked	datetime(8)	Read/Write	The date and time that the credential was locked due to too many hacks. The date and time is recorded in this column whenever a user credential is locked due to too many hacks based on the credential policy.
ObjectId	String (36)	Read Only	Unique identifier for the password/pin
Credentials	String(256)	Read/Write	The PIN or password, for a user. The credentials are stored in an encrypted format.
Alias	String(64)	Read/Write	A unique text name of the user.

Field Name	Data Type	Operation	Description
Hacked	Boolean	Read/Write	<p>A flag indicating whether access to the user account associated with this set of credentials is locked due too many hack attempts.</p> <p>Possible Values:</p> <ul style="list-style-type: none"> • true • false <p>Default Value: false</p>
EncryptionType	Integer	Read/Write	<p>Type of encryption that was used to generate the credentials.</p> <p>Possible values:(0-5)</p> <ul style="list-style-type: none"> • UNKNOWN: 0 • HASH_MD5: 1 • HASH_SHA1: 2 • HASH_IMS: 3 • REVERSIBLE: 4 • NONE: 5 <p>Default Value: 0</p>
CredentialType	CredentialType	Read/Write	<p>The type of credential such as password, PIN, Windows or Domino credential.</p> <ul style="list-style-type: none"> • 4- for PIN • 3- for Password

