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About Notification Devices

This page contains information on how to use the API to create, list, update, and delete Notification Devices.

Cisco Unity Connection supports four different types of Notification Devices:

- Phone Devices
- Pager Devices
- SMS Devices
- SMTP Devices

The generic Notification Device resource contains the data fields that are common to most or all of the specialized Device resources, which in turn may contain additional data fields that are specific to certain Device resources. A listing of all data fields, including a description of what they mean and which specialized Device types support them, can be found later in this document.

An API user can retrieve a complete list of all Notification Devices or a specific Notification Device, but this is a read-only resource. In order to create, update, or delete a Notification Device, an API user must use the appropriate specialized Device resource. In other words, an API user can retrieve all of a user's Notification

Devices, but if they then want to update a particular Phone Device, they must do the update operation on the Phone Device resource, not the Notification Device resource. This will be explained in more detail below.

The Notification Device resource and the four specialized Device resources contain data fields from the Device objects in the database, plus some data fields from the Notification Rule object. From an API user's perspective, this detail may not usually be important, but it is worth mentioning that the Device resources collapse two database objects into a single resource. This can be safely done because there is always a one-to-one mapping in the database of Notification Devices and Notification Rules.

The factory default User Template for Voicemail Users contains five Notification Devices: three Phone Devices (Home, Work, and Mobile), one Pager Device, and one SMTP Device. Any of these default Notification Devices can be modified, and new Devices of any of four specialized types can be created or deleted. Note that Notification Devices for User Templates are not currently exposed via the API, only Notification Devices for Users are exposed.

Listing and Viewing

An API user can list all generic Notification Device resources or all Device resources of a specified type (Phone, Pager, SMS, or SMTP).

Listing and Viewing Notification Devices

The following is an example of a GET that lists all Notification Devices of all types for the specified User:

```
GET https://<connection-server>/vmrest/users/<UserObjectId>/notificationdevices
{noformat}
The following is the response from the above *GET* request.  Notice that this list contains a mix
{noformat}
200
OK

<?xml version="1.0" encoding="UTF-8"?>
<NotificationDevices total="5">
  <NotificationDevice>
    <URI>/vmrest/users/70c5d764-b2f3-498a-b16e-1a4d2a369dfa/notificationdevices/2b13dda8-6249-45b2
    <SubscriberObjectId>70c5d764-b2f3-498a-b16e-1a4d2a369dfa</SubscriberObjectId>
    <UserURI>/vmrest/users/70c5d764-b2f3-498a-b16e-1a4d2a369dfa</UserURI>
    <ObjectId>2b13dda8-6249-45b2-9a87-aba1b27a1f95</ObjectId>
    <DisplayName>Pager</DisplayName>
    <Active>false</Active>
    <BusyRetryInterval>5</BusyRetryInterval>
    <Type>2</Type>
    <DialDelay>1</DialDelay>
    <MaxBody>512</MaxBody>
    <MaxSubject>64</MaxSubject>
    <RetriesOnBusy>4</RetriesOnBusy>
    <RetriesOnRna>4</RetriesOnRna>
    <RingsToWait>4</RingsToWait>
    <RnaRetryInterval>15</RnaRetryInterval>
    <SendCount>true</SendCount>
    <WaitConnect>true</WaitConnect>
    <MediaSwitchObjectId>6ecaa89b-2d29-4a21-8013-75c154ee58f5</MediaSwitchObjectId>
    <PhoneSystemURI>/vmrest/phonesystems/6ecaa89b-2d29-4a21-8013-75c154ee58f5</PhoneSystemURI>
```

```
  <TransmitForcedAuthorizationCode>false</TransmitForcedAuthorizationCode>
  <DeviceName>Pager</DeviceName>
  <PromptForId>false</PromptForId>
  <SendCallerId>true</SendCallerId>
  <SendPcaLink>false</SendPcaLink>
  <Undeletable>true</Undeletable>
  <MediaSwitchDisplayName>PhoneSystem</MediaSwitchDisplayName>
  <DetectTransferLoop>false</DetectTransferLoop>
  <SuccessRetryInterval>1</SuccessRetryInterval>
  <RetriesOnSuccess>0</RetriesOnSuccess>
  <EventList>NewVoiceMail</EventList>
  <ScheduleSetObjectId>d7ea64ca-e3fc-4d0a-8bd5-ef2337a31b97</ScheduleSetObjectId>
  <InitialDelay>0</InitialDelay>
  <RepeatInterval>0</RepeatInterval>
  <RepeatNotify>false</RepeatNotify>
</NotificationDevice>
<NotificationDevice>
  <URI>/vmrest/users/70c5d764-b2f3-498a-b16e-1a4d2a369dfa/notificationdevices/0f4ce029-1939-4ae0
  <SubscriberObjectId>70c5d764-b2f3-498a-b16e-1a4d2a369dfa</SubscriberObjectId>
  <UserURI>/vmrest/users/70c5d764-b2f3-498a-b16e-1a4d2a369dfa</UserURI>
  <ObjectId>0f4ce029-1939-4ae0-9dee-9d84c77fadae</ObjectId>
  <DisplayName>Home Phone</DisplayName>
  <Active>false</Active>
  <BusyRetryInterval>5</BusyRetryInterval>
  <Conversation>SubNotify</Conversation>
  <Type>1</Type>
  <DialDelay>1</DialDelay>
  <MaxBody>512</MaxBody>
  <MaxSubject>64</MaxSubject>
  <RetriesOnBusy>4</RetriesOnBusy>
  <RetriesOnRna>4</RetriesOnRna>
  <RingsToWait>4</RingsToWait>
  <RnaRetryInterval>15</RnaRetryInterval>
  <SendCount>false</SendCount>
  <WaitConnect>true</WaitConnect>
  <MediaSwitchObjectId>6ecaa89b-2d29-4a21-8013-75c154ee58f5</MediaSwitchObjectId>
  <PhoneSystemURI>/vmrest/phonesystems/6ecaa89b-2d29-4a21-8013-75c154ee58f5</PhoneSystemURI>
  <TransmitForcedAuthorizationCode>false</TransmitForcedAuthorizationCode>
  <DeviceName>Home Phone</DeviceName>
  <PromptForId>false</PromptForId>
  <SendCallerId>false</SendCallerId>
  <SendPcaLink>false</SendPcaLink>
  <Undeletable>true</Undeletable>
  <MediaSwitchDisplayName>PhoneSystem</MediaSwitchDisplayName>
  <DetectTransferLoop>false</DetectTransferLoop>
  <SuccessRetryInterval>0</SuccessRetryInterval>
  <RetriesOnSuccess>0</RetriesOnSuccess>
  <EventList>NewVoiceMail</EventList>
  <ScheduleSetObjectId>d7ea64ca-e3fc-4d0a-8bd5-ef2337a31b97</ScheduleSetObjectId>
  <InitialDelay>0</InitialDelay>
  <RepeatInterval>0</RepeatInterval>
  <RepeatNotify>false</RepeatNotify>
</NotificationDevice>
<NotificationDevice>
  <URI>/vmrest/users/70c5d764-b2f3-498a-b16e-1a4d2a369dfa/notificationdevices/878de0bf-9169-4ef7
  <SubscriberObjectId>70c5d764-b2f3-498a-b16e-1a4d2a369dfa</SubscriberObjectId>
  <UserURI>/vmrest/users/70c5d764-b2f3-498a-b16e-1a4d2a369dfa</UserURI>
  <ObjectId>878de0bf-9169-4ef7-afe4-ec82998c2322</ObjectId>
  <DisplayName>Mobile Phone</DisplayName>
  <Active>false</Active>
  <BusyRetryInterval>5</BusyRetryInterval>
  <Conversation>SubNotify</Conversation>
  <Type>1</Type>
  <DialDelay>1</DialDelay>
```

```
  <MaxBody>512</MaxBody>
  <MaxSubject>64</MaxSubject>
  <RetriesOnBusy>4</RetriesOnBusy>
  <RetriesOnRna>4</RetriesOnRna>
  <RingsToWait>4</RingsToWait>
  <RnaRetryInterval>15</RnaRetryInterval>
  <SendCount>false</SendCount>
  <WaitConnect>true</WaitConnect>
  <MediaSwitchObjectId>6ecaa89b-2d29-4a21-8013-75c154ee58f5</MediaSwitchObjectId>
  <PhoneSystemURI>/vmrest/phonesystems/6ecaa89b-2d29-4a21-8013-75c154ee58f5</PhoneSystemURI>
  <TransmitForcedAuthorizationCode>false</TransmitForcedAuthorizationCode>
  <DeviceName>Mobile Phone</DeviceName>
  <PromptForId>false</PromptForId>
  <SendCallerId>false</SendCallerId>
  <SendPcaLink>false</SendPcaLink>
  <Undeletable>true</Undeletable>
  <MediaSwitchDisplayName>PhoneSystem</MediaSwitchDisplayName>
  <DetectTransferLoop>false</DetectTransferLoop>
  <SuccessRetryInterval>0</SuccessRetryInterval>
  <RetriesOnSuccess>0</RetriesOnSuccess>
  <EventList>NewVoiceMail</EventList>
  <ScheduleSetObjectId>d7ea64ca-e3fc-4d0a-8bd5-ef2337a31b97</ScheduleSetObjectId>
  <InitialDelay>0</InitialDelay>
  <RepeatInterval>0</RepeatInterval>
  <RepeatNotify>false</RepeatNotify>
</NotificationDevice>
<NotificationDevice>
  <URI>/vmrest/users/70c5d764-b2f3-498a-b16e-1a4d2a369dfa/notificationdevices/3a314c33-a69f-4179
  <SubscriberObjectId>70c5d764-b2f3-498a-b16e-1a4d2a369dfa</SubscriberObjectId>
  <UserURI>/vmrest/users/70c5d764-b2f3-498a-b16e-1a4d2a369dfa</UserURI>
  <ObjectId>3a314c33-a69f-4179-a260-0c84a4520b3b</ObjectId>
  <DisplayName>Work Phone</DisplayName>
  <Active>true</Active>
  <AfterDialDigits>1701</AfterDialDigits>
  <BusyRetryInterval>5</BusyRetryInterval>
  <Conversation>SubNotify</Conversation>
  <Type>1</Type>
  <DialDelay>1</DialDelay>
  <MaxBody>512</MaxBody>
  <MaxSubject>64</MaxSubject>
  <PhoneNumber>3475</PhoneNumber>
  <RetriesOnBusy>4</RetriesOnBusy>
  <RetriesOnRna>4</RetriesOnRna>
  <RingsToWait>4</RingsToWait>
  <RnaRetryInterval>15</RnaRetryInterval>
  <SendCount>false</SendCount>
  <WaitConnect>false</WaitConnect>
  <MediaSwitchObjectId>6ecaa89b-2d29-4a21-8013-75c154ee58f5</MediaSwitchObjectId>
  <PhoneSystemURI>/vmrest/phonesystems/6ecaa89b-2d29-4a21-8013-75c154ee58f5</PhoneSystemURI>
  <TransmitForcedAuthorizationCode>false</TransmitForcedAuthorizationCode>
  <DeviceName>Work Phone</DeviceName>
  <PromptForId>true</PromptForId>
  <SendCallerId>false</SendCallerId>
  <SendPcaLink>false</SendPcaLink>
  <Undeletable>true</Undeletable>
  <MediaSwitchDisplayName>PhoneSystem</MediaSwitchDisplayName>
  <DetectTransferLoop>false</DetectTransferLoop>
  <SuccessRetryInterval>0</SuccessRetryInterval>
  <RetriesOnSuccess>0</RetriesOnSuccess>
  <EventList>AllMessage</EventList>
  <ScheduleSetObjectId>d7ea64ca-e3fc-4d0a-8bd5-ef2337a31b97</ScheduleSetObjectId>
  <InitialDelay>5</InitialDelay>
  <RepeatInterval>15</RepeatInterval>
  <RepeatNotify>true</RepeatNotify>
```

```
    <FailDeviceObjectId>0f4ce029-1939-4ae0-9dee-9d84c77fadae</FailDeviceObjectId>
  </NotificationDevice>
  <NotificationDevice>
    <URI>/vmrest/users/70c5d764-b2f3-498a-b16e-1a4d2a369dfa/notificationdevices/3e7f802b-d707-489f
    <SubscriberObjectId>70c5d764-b2f3-498a-b16e-1a4d2a369dfa</SubscriberObjectId>
    <UserURI>/vmrest/users/70c5d764-b2f3-498a-b16e-1a4d2a369dfa</UserURI>
    <ObjectId>3e7f802b-d707-489f-b241-399ab67a0dc3</ObjectId>
    <DisplayName>SMTP</DisplayName>
    <Active>false</Active>
    <BusyRetryInterval>0</BusyRetryInterval>
    <Type>4</Type>
    <DialDelay>0</DialDelay>
    <MaxBody>512</MaxBody>
    <MaxSubject>64</MaxSubject>
    <RetriesOnBusy>0</RetriesOnBusy>
    <RetriesOnRna>0</RetriesOnRna>
    <RingsToWait>0</RingsToWait>
    <RnaRetryInterval>0</RnaRetryInterval>
    <SendCount>true</SendCount>
    <WaitConnect>false</WaitConnect>
    <TransmitForcedAuthorizationCode>false</TransmitForcedAuthorizationCode>
    <DeviceName>SMTP</DeviceName>
    <PromptForId>false</PromptForId>
    <SendCallerId>true</SendCallerId>
    <SendPcaLink>false</SendPcaLink>
    <Undeletable>true</Undeletable>
    <DetectTransferLoop>false</DetectTransferLoop>
    <SuccessRetryInterval>0</SuccessRetryInterval>
    <RetriesOnSuccess>0</RetriesOnSuccess>
    <EventList>NewVoiceMail</EventList>
    <ScheduleSetObjectId>d7ea64ca-e3fc-4d0a-8bd5-ef2337a31b97</ScheduleSetObjectId>
    <InitialDelay>0</InitialDelay>
    <RepeatInterval>0</RepeatInterval>
    <RepeatNotify>false</RepeatNotify>
  </NotificationDevice>
</NotificationDevices>
```


Listing and Viewing Specialized Devices

The following is an example of a GET that lists all Phone Devices for the specified User. Listing all specialized devices of other types is very similar; simply do a GET to the pagerdevices, smsdevices, or smtpdevices resource, rather than to the phonedevices resource.

```
GET https://<connection-server>/vmrest/users/<UserObjectId>/notificationdevices/phonedevices
```

The following is the response from the above GET request. Note that each returned resource is a Phone Device rather than a Notification Device since the request was for Phone Devices only.


```
200
OK

<?xml version="1.0" encoding="UTF-8"?>
<PhoneDevices total="3">
  <PhoneDevice>
    <URI>/vmrest/users/70c5d764-b2f3-498a-b16e-1a4d2a369dfa/notificationdevices/phonedevices/3a314
    <TransmitForcedAuthorizationCode>false</TransmitForcedAuthorizationCode>
    <AfterDialDigits>1701</AfterDialDigits>
    <BusyRetryInterval>5</BusyRetryInterval>
    <Conversation>SubNotify</Conversation>
```

```
  <DialDelay>1</DialDelay>
  <PhoneNumber>3475</PhoneNumber>
  <RetriesOnBusy>4</RetriesOnBusy>
  <RetriesOnRna>4</RetriesOnRna>
  <RingsToWait>4</RingsToWait>
  <RnaRetryInterval>15</RnaRetryInterval>
  <WaitConnect>false</WaitConnect>
  <MediaSwitchObjectId>6ecaa89b-2d29-4a21-8013-75c154ee58f5</MediaSwitchObjectId>
  <PhoneSystemURI>/vmrest/phonesystems/6ecaa89b-2d29-4a21-8013-75c154ee58f5</PhoneSystemURI>
  <ObjectId>3a314c33-a69f-4179-a260-0c84a4520b3b</ObjectId>
  <Active>true</Active>
  <DeviceName>Work Phone</DeviceName>
  <DisplayName>Work Phone</DisplayName>
  <MaxBody>512</MaxBody>
  <MaxSubject>64</MaxSubject>
  <SubscriberObjectId>70c5d764-b2f3-498a-b16e-1a4d2a369dfa</SubscriberObjectId>
  <UserURI>/vmrest/users/70c5d764-b2f3-498a-b16e-1a4d2a369dfa</UserURI>
  <PromptForId>true</PromptForId>
  <Undeletable>true</Undeletable>
  <DetectTransferLoop>false</DetectTransferLoop>
  <EventList>AllMessage</EventList>
  <ScheduleSetObjectId>d7ea64ca-e3fc-4d0a-8bd5-ef2337a31b97</ScheduleSetObjectId>
  <InitialDelay>5</InitialDelay>
  <RepeatInterval>15</RepeatInterval>
  <RepeatNotify>true</RepeatNotify>
  <FailDeviceObjectId>0f4ce029-1939-4ae0-9dee-9d84c77fadae</FailDeviceObjectId>
</PhoneDevice>
<PhoneDevice>
  <URI>/vmrest/users/70c5d764-b2f3-498a-b16e-1a4d2a369dfa/notificationdevices/phonedevices/0f4ce
  <TransmitForcedAuthorizationCode>false</TransmitForcedAuthorizationCode>
  <BusyRetryInterval>5</BusyRetryInterval>
  <Conversation>SubNotify</Conversation>
  <DialDelay>1</DialDelay>
  <RetriesOnBusy>4</RetriesOnBusy>
  <RetriesOnRna>4</RetriesOnRna>
  <RingsToWait>4</RingsToWait>
  <RnaRetryInterval>15</RnaRetryInterval>
  <WaitConnect>true</WaitConnect>
  <MediaSwitchObjectId>6ecaa89b-2d29-4a21-8013-75c154ee58f5</MediaSwitchObjectId>
  <PhoneSystemURI>/vmrest/phonesystems/6ecaa89b-2d29-4a21-8013-75c154ee58f5</PhoneSystemURI>
  <ObjectId>0f4ce029-1939-4ae0-9dee-9d84c77fadae</ObjectId>
  <Active>false</Active>
  <DeviceName>Home Phone</DeviceName>
  <DisplayName>Home Phone</DisplayName>
  <MaxBody>512</MaxBody>
  <MaxSubject>64</MaxSubject>
  <SubscriberObjectId>70c5d764-b2f3-498a-b16e-1a4d2a369dfa</SubscriberObjectId>
  <UserURI>/vmrest/users/70c5d764-b2f3-498a-b16e-1a4d2a369dfa</UserURI>
  <PromptForId>false</PromptForId>
  <Undeletable>true</Undeletable>
  <DetectTransferLoop>false</DetectTransferLoop>
  <EventList>NewVoiceMail</EventList>
  <ScheduleSetObjectId>d7ea64ca-e3fc-4d0a-8bd5-ef2337a31b97</ScheduleSetObjectId>
  <InitialDelay>0</InitialDelay>
  <RepeatInterval>0</RepeatInterval>
  <RepeatNotify>false</RepeatNotify>
</PhoneDevice>
<PhoneDevice>
  <URI>/vmrest/users/70c5d764-b2f3-498a-b16e-1a4d2a369dfa/notificationdevices/phonedevices/878de
  <TransmitForcedAuthorizationCode>false</TransmitForcedAuthorizationCode>
  <BusyRetryInterval>5</BusyRetryInterval>
  <Conversation>SubNotify</Conversation>
  <DialDelay>1</DialDelay>
  <RetriesOnBusy>4</RetriesOnBusy>
```

```
    <RetriesOnRna>4</RetriesOnRna>
    <RingsToWait>4</RingsToWait>
    <RnaRetryInterval>15</RnaRetryInterval>
    <WaitConnect>true</WaitConnect>
    <MediaSwitchObjectId>6ecaa89b-2d29-4a21-8013-75c154ee58f5</MediaSwitchObjectId>
    <PhoneSystemURI>/vmrest/phonesystems/6ecaa89b-2d29-4a21-8013-75c154ee58f5</PhoneSystemURI>
    <ObjectId>878de0bf-9169-4ef7-afe4-ec82998c2322</ObjectId>
    <Active>false</Active>
    <DeviceName>Mobile Phone</DeviceName>
    <DisplayName>Mobile Phone</DisplayName>
    <MaxBody>512</MaxBody>
    <MaxSubject>64</MaxSubject>
    <SubscriberObjectId>70c5d764-b2f3-498a-b16e-1a4d2a369dfa</SubscriberObjectId>
    <UserURI>/vmrest/users/70c5d764-b2f3-498a-b16e-1a4d2a369dfa</UserURI>
    <PromptForId>false</PromptForId>
    <Undeletable>true</Undeletable>
    <DetectTransferLoop>false</DetectTransferLoop>
    <EventList>NewVoiceMail</EventList>
    <ScheduleSetObjectId>d7ea64ca-e3fc-4d0a-8bd5-ef2337a31b97</ScheduleSetObjectId>
    <InitialDelay>0</InitialDelay>
    <RepeatInterval>0</RepeatInterval>
    <RepeatNotify>false</RepeatNotify>
  </PhoneDevice>
/PhoneDevices>
```


Listing of HTML Notification Device for a User (in Cisco Unity Connection 9.0(1) and Later)

The following is an example of the GET request that lists the HTML notification devices for a user:

```
GET /vmrest/users/<userobjectid>/notificationdevices/htmldevices
```

The following is the response from the above *GET* request:


```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<HtmlDevices total="2">
 <HtmlDevice>
  <URI>/vmrest/users/24cb82fc-5153-4c3f-abc7-ef442b27b4e9/notificationdevices/htmldevices/eb8af2
  <Active>false</Active>
  <CallbackNumber></CallbackNumber>
  <DeviceName>HTML</DeviceName>
  <DisableMobileNumberFromPCA>false</DisableMobileNumberFromPCA>
  <DisplayName>HTML</DisplayName>
  <NotificationTemplateID>a00ea2a4-623e-414e-bf9c-a15c77075766</NotificationTemplateID>
  <ObjectId>eb8af2c7-1466-4d36-9f8a-957c001ad4c5</ObjectId>
  <PhoneNumber></PhoneNumber>
  <SmtpAddress></SmtpAddress>
  <Undeletable>true</Undeletable>
  <SubscriberObjectId>24cb82fc-5153-4c3f-abc7-ef442b27b4e9</SubscriberObjectId>
  <UserURI>/vmrest/users/24cb82fc-5153-4c3f-abc7-ef442b27b4e9</UserURI>
  <EventList>NewVoiceMail</EventList>
  <ScheduleSetObjectId>e6706d47-257f-4e24-bf9f-a182bb3b2633</ScheduleSetObjectId>
  <InitialDelay>0</InitialDelay>
  <RepeatInterval>0</RepeatInterval>
  <RepeatNotify>false</RepeatNotify>
 </HtmlDevice>
 <HtmlDevice>
  <URI>/vmrest/users/24cb82fc-5153-4c3f-abc7-ef442b27b4e9/notificationdevices/htmldevices/64d260
  <Active>false</Active>
  <DeviceName>SMTP</DeviceName>
  <DisableMobileNumberFromPCA>true</DisableMobileNumberFromPCA>
  <DisplayName>HTML_3</DisplayName>
```

```
  <NotificationTemplateID>103c4514-db6e-489b-bc08-e9e131b60099</NotificationTemplateID>
  <ObjectId>64d260ca-7f09-46df-be87-88cd3ba9c5e3</ObjectId>
  <Undeletable>true</Undeletable>
  <SubscriberObjectId>24cb82fc-5153-4c3f-abc7-ef442b27b4e9</SubscriberObjectId>
  <UserURI>/vmrest/users/24cb82fc-5153-4c3f-abc7-ef442b27b4e9</UserURI>
  <EventList>NewVoiceMail</EventList>
  <ScheduleSetObjectId>e6706d47-257f-4e24-bf9f-a182bb3b2633</ScheduleSetObjectId>
  <InitialDelay>0</InitialDelay>
  <RepeatInterval>0</RepeatInterval>
  <RepeatNotify>false</RepeatNotify>
 </HtmlDevice>
</HtmlDevices>
```

Listing Properties of an HTML Notification Device (in Cisco Unity Connection 9.0(1) and Later)

The following is an example of the GET request that displays the properties for a particular HTML notification device:

```
GET /vmrest/users/<userobjectid>/notificationdevices/htmldevices/<deviceid>
```

The following is the response from the above *GET* request:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<HtmlDevice>
 <URI>/vmrest/users/24cb82fc-5153-4c3f-abc7-ef442b27b4e9/notificationdevices/htmldevices/64d260c
 <Active>false</Active>
 <DeviceName>SMTP</DeviceName>
 <DisableMobileNumberFromPCA>true</DisableMobileNumberFromPCA>
 <DisplayName>HTML_3</DisplayName>
 <NotificationTemplateID>103c4514-db6e-489b-bc08-e9e131b60099</NotificationTemplateID>
 <ObjectId>64d260ca-7f09-46df-be87-88cd3ba9c5e3</ObjectId>
 <Undeletable>true</Undeletable>
 <SubscriberObjectId>24cb82fc-5153-4c3f-abc7-ef442b27b4e9</SubscriberObjectId>
 <UserURI>/vmrest/users/24cb82fc-5153-4c3f-abc7-ef442b27b4e9</UserURI>
 <EventList>NewVoiceMail</EventList>
 <ScheduleSetObjectId>e6706d47-257f-4e24-bf9f-a182bb3b2633</ScheduleSetObjectId>
 <InitialDelay>0</InitialDelay>
 <RepeatInterval>0</RepeatInterval>
 <RepeatNotify>false</RepeatNotify>
</HtmlDevice>
```

Searching

To retrieve a list of Notification Devices that meet a specified search criteria, add the following query parameter to a GET: query=(column [is | startswith] value)

For example, to find all Notification Devices with a DisplayName that starts with "Phone":

```
GET https://<connection-server>/vmrest/users/<UserObjectId/notificationdevices?query=(DisplayName%
```

Search criteria can also be used when doing a GET to the specialized Device resources.

Creating

A generic Notification Device resource is read-only, so new ones cannot be created. However, the four specialized Device resources are not read-only, so new ones can be created. Each of the four specialized Device resources has different required parameters during creation.

Creating Phone Devices

The required fields for creating a Phone Device are DisplayName, MediaSwitchObjectId, and PhoneNumber. All other Phone Device fields are optional.

The following is an example of a POST that creates a Phone Device with a DisplayName="My New Phone", MediaSwitchObjectId="6ecaa89b-2d29-4a21-8013-75c154ee58f5", PhoneNumber="5551212", and optional parameter InitialDelay=10:

```
POST https://<connection-server>/vmrest/users/<UserObjectId>/notificationdevices/phonedevices

<PhoneDevice>
  <DisplayName>My New Phone</DisplayName>
  <MediaSwitchObjectId>6ecaa89b-2d29-4a21-8013-75c154ee58f5</MediaSwitchObjectId>
  <PhoneNumber>5551212</PhoneNumber>
  <InitialDelay>10</InitialDelay>
</PhoneDevice>
```

The following is the response from the above POST request:

```
201
Created
/vmrest/users/70c5d764-b2f3-498a-b16e-1a4d2a369dfa/notificationdevices/phonedevices/2e377eba-a924-
```

Creating Pager Devices

The required fields for creating a Pager Device are DisplayName, MediaSwitchObjectId, and PhoneNumber. All other Pager Device fields are optional.

The following is an example of a POST that creates a Pager Device with DisplayName="My New Pager", MediaSwitchObjectId="6ecaa89b-2d29-4a21-8013-75c154ee58f5", PhoneNumber="8675309", and optional parameter Active=false.

```
POST https://<connection-server>/vmrest/users/<UserObjectId>/notificationdevices/pagerdevices

<PagerDevice>
  <DisplayName>My New Pager</DisplayName>
  <MediaSwitchObjectId>6ecaa89b-2d29-4a21-8013-75c154ee58f5</MediaSwitchObjectId>
  <PhoneNumber>8675309</PhoneNumber>
  <Active>false</Active>
</PagerDevice>
```

The following is the response from the above POST request:

```
201
Created
```

```
/vmrest/users/70c5d764-b2f3-498a-b16e-1a4d2a369dfa/notificationdevices/pagerdevices/13cbf32e-dc58-
```

Creating SMS Devices

The required fields for creating an SMS Device are DisplayName, SmppProviderObjectId, and RecipientAddress. All other SMS Device fields are optional. Note that there must be an SMPP Provider configured on the system before you can create an SMS Device for Notification. If the SmppProviderObjectId field is not supplied or does not correspond to an SMPP Provider configured on the system, then an HTTP 400 error will be returned, with text explaining that the parameter is missing or cannot be found in the SmppProvider table.

The following is an example of a POST that creates an SMS Device with DisplayName="My New SMS Device", SmppProviderObjectId="60cd37e8-499c-43a3-b733-30f2640e5003", RecipientAdress="bob@xyz.com", and optional parameter SenderAddress="voicemail@xyz.com".

```
POST https://<connection-server>/vmrest/users/<UserObjectId>/notificationdevices/smsdevices

<SmsDevice>
  <DisplayName>My New SMS Device</DisplayName>
  <SmppProviderObjectId>60cd37e8-499c-43a3-b733-30f2640e5003</SmppProviderObjectId>
  <RecipientAddress>bob@xyz.com</RecipientAddress>
  <SenderAddress>voicemail@xyz.com</SenderAddress>
</SmsDevice>
```

The following is the response from the above POST request:

```
201
Created
/vmrest/users/70c5d764-b2f3-498a-b16e-1a4d2a369dfa/notificationdevices/smsdevices/ac200457-284c-49
```

Creating SMTP Devices

The required fields for creating an SMTP Device are DisplayName and SmtpAddress. All other SMTP Device fields are optional.

The following is an example of a POST that creates an SMTP Device with DisplayName="My New SMTP Device", SmtpAddress="sylvia@email.com", and optional parameter EventList="AllMessages".

```
POST https://<connection-server>/vmrest/users/<UserObjectId>/notificationdevices/smtpdevices

<SmtpDevice>
  <DisplayName>My New SMTP Device</DisplayName>
  <SmtpAddress>sylvia@email.com</SmtpAddress>
  <EventList>AllMessage</EventList>
</SmtpDevice>
```

The following is the response from the above POST request:

```
201
Created
/vmrest/users/70c5d764-b2f3-498a-b16e-1a4d2a369dfa/notificationdevices/smtpdevices/233e4e41-4743-4
```

Creating a New HTML Notification Device for a User (in Cisco Unity Connection 9.0(1) and Later)

The following is an example of the POST request that creates a new HTML notification device for the user represented by <userobjectid>:

```
   POST /vmrest/users/<userobjectid>/notificationdevices/htmldevices

<NotificationDevice>
   <DisplayName>HTML_DEVICE</DisplayName>
   <Active>false</Active>
   <Type>8</Type>
   <Undeletable>false</Undeletable>
</NotificationDevice>
```

The input for the POST request will be XML or JSON as per HtmlDevice schema. The following is the response from the above POST request:

```
201
Created
/vmrest/users/a8435524-ea01-4b86-98ef-6b429bfe83a7/notificationdevices/htmldevices/3298035b-83f6-4
```

Updating

A generic Notification Device resource is read-only, so Notification Devices cannot be updated. However, the four specialized Device resources are not read-only, so an API user can update the appropriate specialized Device resource.

The following is an example of a PUT request that modifies the FailDeviceObjectId of an existing Phone Device. The FailDeviceObjectId indicates which Notification Device to try if notification fails to the current device, which allows you to setup a chain of Notification Devices.

```
PUT https://<connection-server>/vmrest/users/<UserObjectId>/notificationdevices/phonedevices/2e377

<PhoneDevice>
  <FailDeviceObjectId>ac200457-284c-4951-b04a-4d76bd03235e</FailDeviceObjectId>
</PhoneDevice>
```

The following is the response from the above PUT request:

```
204
No Content
```

Updating other types of specialized Device resources is very similar; simply do a PUT to the appropriate pagerdevice, smsdevice, or smtpdevice resource instead of a phonedevice resource.

Updating an HTML Notification Device (in Cisco Unity Connection 9.0(1) and Later)

The following is an example of the PUT request that modifies the HTML notification device as represented by <deviceid>:

```
  PUT /vmrest/users/<userobjectid>/notificationdevices/htmldevices/<deviceid>
```

The input for the PUT request will be XML or JSON as per HtmlDevice schema. The output for this request returns the successful response code.

Updating an HTML Notification Device to Apply the HTML Notification Template (in Cisco Unity Connection 9.0(1) and Later)

The following is an example of the PUT request that modifies the HTML notification device as represented by <deviceid>:

```
PUT /vmrest/users/<userobjectid>/notificationdevices/htmldevices/<deviceid>

<HtmlDevice>
   <NotificationTemplateID>103c4514-db6e-489b-bc08-e9e131b60099</NotificationTemplateID>
</HtmlDevice>
```

The input for the PUT request will be XML or JSON as per HtmlDevice schema. The output for this request returns the successful response code.

Deleting

A generic Notification Device resource is read-only, so Notification Devices cannot be deleted. However, the four specialized Device resources are not read-only, so an API user can delete the appropriate specialized Device resource, assuming its not one of the factory default Device resources (which are flagged as Undeletable).

The following is an example of a DELETE request that deletes an existing Phone Device:

```
DELETE https://<connection-server>/vmrest/users/<UserObjectId>/notificationdevices/phonedevices/2e
```

The following is the response from the above DELETE request:

```
204
No Content
```

Deleting an HTML Notification Device (in Cisco Unity Connection 9.0(1) and Later)

The following is an example of the PUT request that deletes the HTML notification device represented by <deviceid>:

```
  DELETE /vmrest/users/<userobjectid>/notificationdevices/htmldevices/<deviceid>
```

The output for this request returns the successful response code.

Explanation of Data Fields

The following chart lists all of the data fields available on Notification Devices, Phone Devices, Pager Devices, SMS Devices, and SMTP Devices. In the Device Types column, "Base" means the generic Notification Device resource. Note that on a GET to the generic Notification Device resource, you may

receive data fields that are meaningless for a particular type of device, so these fields can be safely ignored.

Field Name	Device Type	Writable?	Explanation / Comments
ObjectId	All	Read-only	ObjectId of the Device
Type	Base	Read-only	Auto-set during Create. 1=Phone, 2=Pager, 4=SMTP, 5=SMS
Active	All	Read/Write	Factory default=false. For newly-created, default=true
AfterDialDigits	Base, Phone, Pager	Read/Write	Extra-digits to dial after the Phone Number. Default=null
BusyRetryInterval	Base, Phone, Pager	Read/Write	Time in minutes to wait between retries if Busy. Default=5
Conversation	Base, Phone	Read-only	Auto-set during Create.
DetectTransferLoop	Base, Phone	Read/Write	Flags if Transfer Loop Detection is Enabled. Default=false
DeviceName	All	Read/Write	Friendly name for the Device type (not shown in CUCA or CPCA). Default="Other"
DialDelay	Base, Phone, Pager	Read/Write	Time in seconds to wait after Connect before dialing AfterDialDigits (ignored if no AfterDialDigits). Default=1
DisplayName	All	Read/Write	Friendly name for the Device like "Mobile Phone"
EventList	All	Read/Write	Comma-delimited list of Events that trigger Notification (see below). Default=NewVoiceMail
FailDeviceObjectid	All	Read/Write	ObjectId of next Notification Device to use if this one fails (to chain Notifications). Default=null
InitialDelay	All	Read/Write	Time in minutes to wait after a Message is received before Notification is triggered. Default=0
MaxBody	All	Read/Write	Maximum number of characters in the Body of a Notification message. Default=512
MaxSubject	All	Read/Write	Maximum number of characters in the Subject of a Notification message. Default=64

MediaSwitchObjectId	Base, Phone, Pager	Read/Write	ObjectId of the Phone System to use for the Dial-out.
PhoneNumber	Base, Phone, Pager	Read/Write	Phone Number to dial to reach the Device.
PromptForId	Base, Phone	Read/Write	Flags if the User must enter their ID to get the Notification message. Default=false
RecipientAddress	SMS	Read/Write	Address of Message recipient
RepeatInterval	All	Read/Write	Time in minutes to wait before re-notifying of messages. Default=0
RepeatNotify	All	Read/Write	Flags if Notification process should begin for each newly arrived message. Default=false
RetriesOnBusy	Base, Phone, Pager	Read/Write	Number of retry attempts if Busy. Default=4
RetriesOnRna	Base, Phone, Pager	Read/Write	Number of retry attempts if RNA. Default=4
RetriesOnSuccess	Base, Pager	Read/Write	Number of retry attempts if successful. Default=0
RingsToWait	Base, Phone, Pager	Read/Write	Number of rings to wait for Connect before RNA. Default=4
RnaRetryInterval	Base, Phone, Pager	Read/Write	Time in minutes to wait between retries if RNA. Default=5
ScheduleSetObjectId	All	Read/Write	ObjectId of the ScheduleSet during which Notification may trigger. Default=AllHours
SendCallerId	Base, Pager, SMS, SMTP	Read/Write	Flag to include CallerId in the Notification message. Default=true
SendCount	Base, Pager, SMS, SMTP	Read/Write	Flag to include the message counts in the Notification message. Default=true
SenderAddress	SMS	Read/Write	Address of Message sender. Default=null
SendPcaLink	Base, SMTP	Read/Write	Flag to include a link to CPCA in the Notification message. Default=false

SmppProviderObjectId	Base, SMS	Read/Write	ObjectId of the SMPP Provider
SmtpAddress	Base, SMTP	Read/Write	SMTP address to send the Notification message to
StaticText	Base, SMS, SMTP	Read/Write	Static text to include in the Notification Message. Default=null
SubscriberObjectId	All	Read-only	ObjectId of the User
SuccessRetryInterval	Base, Pager	Read/Write	Time in minutes to wait between retries if successful. Default=0
TransmitForcedAuthorizationCode	Base, Phone, Pager	Read/Write	Flags if an authorization code should be sent to CUCM after the PhoneNumber is dialed. Default=false
Undeletable	All	Read-only	Factory default=true. For newly-created, default=false
WaitConnect	Base, Phone, Pager	Read/Write	Flags if need to wait for Connect before dialing AfterDialDigits. Default=true

The EventList field is a comma-delimited list of Message types which could trigger Notification. It can contain any of the following values. Note that Calendar Appointments and Meetings are not included in the AllMessage or AllUrgentMessage categories, which just include voicemail, fax, and dispatch messages.

Event Name	Description
None	No messages of any type or urgency
AllMessage	All messages of all types and urgencies
AllUrgentMessage	All urgent messages of all types
CalendarAppointment	Calender appointments
CalendarMeeting	Calendar meetings
DispatchMessage	All dispatch messages
UrgentDispatchMessage	All urgent dispatch messages
NewFax	All fax messages
NewUrgentFax	All urgent fax messages
NewVoiceMail	All voicemail messages
NewUrgentVoiceMail	All urgent voicemail messages