

# **user notification service v3.0**

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## Resource: `delivery_type`

A registered method of delivery, supporting a global configuration structure

```
http://{device}/api/npm.usernotify/3.0/delivery_types/items/{name}
```

### JSON

```
{
  "active": boolean,
  "enabled": boolean,
  "name": string,
  "options": delivery_options
}
```

Property Name	Type	Description	Notes
<code>delivery_type</code>	<code>&lt;object&gt;</code>	A registered method of delivery, supporting a global configuration structure	Required properties: [name, enabled];
<code>delivery_type.active</code>	<code>&lt;boolean&gt;</code>	Whether the delivery type is enabled and usable	Read-only; Optional;
<code>delivery_type.enabled</code>	<code>&lt;boolean&gt;</code>	If disabled, subscriptions for this delivery type will be ignored.	
<code>delivery_type.name</code>	<code>&lt;string&gt;</code>		Read-only;
<code>delivery_type.options</code>	<code>&lt;delivery_options&gt;</code>	Generic structure to provide global configuration settings to a delivery type	

## Links

### `delivery_type: configure`

```
PUT http://{device}/api/npm.usernotify/3.0/delivery_types/items/{name}
```

#### Request Body

Provide a [delivery\\_type](#) data object.

#### Response Body

Returns a [delivery\\_type](#) data object.

### `delivery_type: get`

```
GET http://{device}/api/npm.usernotify/3.0/delivery_types/items/{name}
```

#### Response Body

Returns a [delivery\\_type](#) data object.

## Relations

### `delivery_type: instances`

Related resource

[delivery\\_types](#)

## Resource: `delivery_type_statuses`

Statuses of registered delivery types

```
http://{device}/api/npm.usernotify/3.0/delivery_type_statuses
```

### JSON

```

{
  "items": [
    {
      "configured": boolean,
      "enabled": boolean,
      "name": string,
      <prop>: any
    }
  ]
}

```

Property Name	Type	Description	Notes
<i>delivery_type_statuses</i>	<object>	Statuses of registered delivery types	
<i>delivery_type_statuses.items</i>	<array of <object>>		Optional;
<i>delivery_type_statuses.items[items]</i>	<object>		
<i>delivery_type_statuses.items[items].configured</i>	<boolean>	Whether the delivery type has been configured	Optional;
<i>delivery_type_statuses.items[items].enabled</i>	<boolean>	Whether the delivery type is enabled	Optional;
<i>delivery_type_statuses.items[items].name</i>	<string>	Name of the delivery type	Optional;
<i>delivery_type_statuses.items[items].&lt;prop&gt;</i>	<any>		Optional;

## Links

### delivery\_type\_statuses: get

GET [http://{{device}}/api/npm.usernotify/3.0/delivery\\_type\\_statuses](http://{{device}}/api/npm.usernotify/3.0/delivery_type_statuses)

#### Response Body

Returns a [delivery\\_type\\_statuses](#) data object.

## Resource: delivery\_types

List of all registered delivery types

[http://{{device}}/api/npm.usernotify/3.0/delivery\\_types](http://{{device}}/api/npm.usernotify/3.0/delivery_types)

#### JSON

```

{
  "items": [ delivery_type ]
}

```

Property Name	Type	Description	Notes
<i>delivery_types</i>	<object>	List of all registered delivery types	
<i>delivery_types.items</i>	<array of <delivery_type>>		Optional;
<i>delivery_types.items[items]</i>	<delivery_type>	A registered method of delivery, supporting a global configuration structure	

## Links

### delivery\_types: check

Check the configuration of a named delivery type. Returns no body if successful, or an error if the test failed.

POST [http://{{device}}/api/npm.usernotify/3.0/delivery\\_types/check](http://{{device}}/api/npm.usernotify/3.0/delivery_types/check)

#### Request Body

Provide a request body with the following structure:

#### JSON

```
{
  <prop>: any
}
```

Property Name	Type	Description	Notes
delivery_types.links.check.request	<object>		
delivery_types.links.check.request.<prop>	<any>		Optional;
delivery_types.links.check.request.oneOf[0]	<object>	Check arguments for the email delivery type.	Required properties: [delivery_type];
delivery_types.links.check.request.oneOf[0].delivery_type	<string>		Values: email;
delivery_types.links.check.request.oneOf[0].to	<email_addresses>	A list of email addresses as strings	

### Response Body

On success, the server does not provide any body in the responses.

## delivery\_types: get

```
GET http://{device}/api/npm.usernotify/3.0/delivery_types
```

### Response Body

Returns a [delivery\\_types](#) data object.

## Resource: local\_certificate

The SSL certificate presented to a remote syslog server with encryption enabled

```
http://{device}/api/npm.usernotify/3.0/local_certificate
```

### JSON

```
{
  "expires_at": integer,
  "fingerprint": {
    "algorithm": string,
    "value": string
  },
  "issuer": distinguished_name,
  "key": {
    "algorithm": string,
    "size": integer
  },
  "pem": string,
  "subject": distinguished_name,
  "valid_at": integer
}
```

Property Name	Type	Description	Notes
local_certificate	<object>	The SSL certificate presented to a remote syslog server with encryption enabled	Required properties: [issuer, subject, valid_at, expires_at, fingerprint, key, pem];
local_certificate.expires_at	<integer>	Time at which the certificate expires, in Unix epoch seconds	
local_certificate.fingerprint	<object>	Certificate fingerprint information	Required properties: [algorithm, value];
local_certificate.fingerprint.algorithm	<string>	The algorithm used to calculate the fingerprint	
local_certificate.fingerprint.value	<string>	Fingerprint value	
local_certificate.issuer	<distinguished_name>	Distinguished name information	
local_certificate.key	<object>	Certificate key information	Required properties: [algorithm, size];
local_certificate.key.algorithm	<string>	The algorithm used to generate the key	
local_certificate.key.size	<integer>	The size (number of bits) of the key	
local_certificate.pem	<string>	The certificate, in PEM format	
local_certificate.subject	<distinguished_name>	Distinguished name information	
local_certificate.valid_at	<integer>	Time at which the certificate becomes valid, in Unix epoch seconds	

## Links

### local\_certificate: generate

Generate a new self-signed certificate and private key. This replaces the current certificate.

```
POST http://{device}/api/npm.usernotify/3.0/local_certificate/generate
```

#### Request Body

Provide a [distinguished\\_name](#) data object.

#### Response Body

Returns a [local\\_certificate](#) data object.

### local\_certificate: get

```
GET http://{device}/api/npm.usernotify/3.0/local_certificate
```

#### Response Body

Returns a [local\\_certificate](#) data object.

### local\_certificate: import

Import a new certificate and private key

```
POST http://{device}/api/npm.usernotify/3.0/local_certificate/import
```

#### Request Body

Provide a request body with the following structure:

##### JSON

```
{
  "passphrase": string,
  "pem": any
}
```

Property Name	Type	Description	Notes
<code>local_certificate.links.import.request</code>	<code>&lt;object&gt;</code>	Import request format	Required properties: [pem];
<code>local_certificate.links.import.request.passphrase</code>	<code>&lt;string&gt;</code>	Optional passphrase to decrypt private key	Optional;
<code>local_certificate.links.import.request.pem</code>	<code>&lt;any&gt;</code>	Certificate and private key to import, in PEM format	

#### Response Body

Returns a [local\\_certificate](#) data object.

## Resource: notification

Specification of a registered notification type

```
http://{device}/api/npm.usernotify/3.0/notifications/items/{id}
```

##### JSON

```
{
  "attributes": {
    <prop>: any
  },
  "formatters": [
    string
  ],
  "id": string
}
```

Property Name	Type	Description	Notes
---------------	------	-------------	-------

<i>notification</i>	<object>	Specification of a registered notification type	Required properties: [id];
<i>notification.attributes</i>	<object>	Dictionary of attribute names to type values which must be one of notification_attribute_type	Optional;
<i>notification.attributes.&lt;prop&gt;</i>	<any>		Optional;
<i>notification.formatters</i>	<array of <string>>	The list of formatters to try when formatting this notification type.	Optional;
<i>notification.formatters[items]</i>	<string>		
<i>notification.id</i>	<string>		

## Links

### notification: delete

```
DELETE http://{device}/api/npm.usernotify/3.0/notifications/items/{id}
```

#### Response Body

On success, the server does not provide any body in the responses.

### notification: get

```
GET http://{device}/api/npm.usernotify/3.0/notifications/items/{id}
```

#### Response Body

Returns a [notification](#) data object.

### notification: set

```
PUT http://{device}/api/npm.usernotify/3.0/notifications/items/{id}
```

#### Request Body

Provide a [notification](#) data object.

#### Response Body

Returns a [notification](#) data object.

## Relations

### notification: instances

#### Related resource

[notifications](#)

## Resource: notifications

List of registered notification types

```
http://{device}/api/npm.usernotify/3.0/notifications
```

#### JSON

```
{
  "items": [ notification ]
}
```

Property Name	Type	Description	Notes
<i>notifications</i>	<object>	List of registered notification types	
<i>notifications.items</i>	<array of <notification>>		Optional;
<i>notifications.items[items]</i>	<notification>	Specification of a registered notification type	

## Links

### notifications: create

```
POST http://{device}/api/npm.usernotify/3.0/notifications
```

#### Request Body

Provide a [notification](#) data object.

#### Response Body

Returns a [notification](#) data object.

### notifications: get

```
GET http://{device}/api/npm.usernotify/3.0/notifications
```

#### Response Body

Returns a [notifications](#) data object.

### notifications: reload

This method is no longer supported.

```
POST http://{device}/api/npm.usernotify/3.0/notifications/reload
```

#### Request Body

Do not provide a request body.

#### Response Body

On success, the server does not provide any body in the responses.

## Resource: recipient

A recipient groups multiple notification endpoints that should all receive notifications for the same events. 'name' is a human-readable identifier for the Recipient, and addresses is a list of 'addressee' objects listing the endpoints to receive the notifications. Creation of a recipient produces a unique 'id' which is used to reference this recipient in other APIs

```
http://{device}/api/npm.usernotify/3.0/recipients/items/{id}
```

#### JSON

```
{
  "addressees": [ <addressee> ],
  "id": <integer>,
  "name": <string>,
  <prop>: <any>
}
```

Property Name	Type	Description	Notes
<i>recipient</i>	<object>	A recipient groups multiple notification endpoints that should all receive notifications for the same events. 'name' is a human-readable identifier for the Recipient, and addresses is a list of 'addressee' objects listing the endpoints to receive the notifications. Creation of a recipient produces a unique 'id' which is used to reference this recipient in other APIs	Required properties: [addressees];
<i>recipient.addressees</i>	<array of <addressee>>	List of addressees to deliver notifications to when this recipient is notified	
<i>recipient.addressees[items]</i>	<addressee>	A base object that associates a <i>delivery_type</i> with data needed to send notifications to at least one notification endpoint. 'delivery_type' defines the type of notification, and other information must be included to specify how and where the notification is delivered. Supported 'delivery_types' include 'email', 'snmp', 'syslog', 'encrypted_syslog', and 'servicenow'	
<i>recipient.id</i>	<integer>		Optional;

<i>recipient.name</i>	<i>&lt;string&gt;</i>		Optional;
<i>recipient.&lt;prop&gt;</i>	<i>&lt;any&gt;</i>		Optional;

## Links

### recipient: delete

DELETE <http://{{device}}/api/npm.usernotify/3.0/recipients/items/{id}>

#### Response Body

On success, the server does not provide any body in the responses.

### recipient: get

GET <http://{{device}}/api/npm.usernotify/3.0/recipients/items/{id}>

#### Response Body

Returns a [recipient](#) data object.

### recipient: set

PUT <http://{{device}}/api/npm.usernotify/3.0/recipients/items/{id}>

#### Request Body

Provide a [recipient](#) data object.

#### Response Body

Returns a [recipient](#) data object.

## Resource: recipients

A list of recipient objects

<http://{{device}}/api/npm.usernotify/3.0/recipients>

#### JSON

```
{
  "items": [ recipient ],
  <prop>: any
}
```

Property Name	Type	Description	Notes
<i>recipients</i>	<i>&lt;object&gt;</i>	A list of recipient objects	
<i>recipients.items</i>	<i>&lt;array of &lt;recipient&gt;&gt;</i>		Optional;
<i>recipients.items[items]</i>	<i>&lt;recipient&gt;</i>	A recipient groups multiple notification endpoints that should all receive notifications for the same events. 'name' is a human-readable identifier for the Recipient, and addresses is a list of 'addressee' objects listing the endpoints to receive the notifications. Creation of a recipient produces a unique 'id' which is used to reference this recipient in other APIs	
<i>recipients.&lt;prop&gt;</i>	<i>&lt;any&gt;</i>		Optional;

## Links

### recipients: create

POST <http://{{device}}/api/npm.usernotify/3.0/recipients>



## Request Body

Provide a [recipient](#) data object.

## Response Body

Returns a [recipient](#) data object.

## recipients: get

```
GET http://{device}/api/npm.usernotify/3.0/recipients
```

## Response Body

Returns a [recipients](#) data object.

---

## Resource: recipients\_list

Abbreviated list of recipient names and their ids

```
http://{device}/api/npm.usernotify/3.0/recipients_list{?with_delivery_types}
```

### JSON

```
{
  "items": [
    {
      "id": integer,
      "name": string
    }
  ]
}
```

Property Name	Type	Description	Notes
<i>recipients_list</i>	<object>	Abbreviated list of recipient names and their ids	Required properties: [items];
<i>recipients_list.items</i>	<array of <object>>		
<i>recipients_list.items[items]</i>	<object>		Required properties: [id, name];
<i>recipients_list.items[items].id</i>	<integer>	Recipient ID	
<i>recipients_list.items[items].name</i>	<string>	Recipient name	

---

## Links

### recipients\_list: get

```
GET http://{device}/api/npm.usernotify/3.0/recipients_list{?with_delivery_types}
```

## Response Body

Returns a [recipients\\_list](#) data object.

---

## Resource: subscription

Records that the recipients in *recipient\_ids* should receive notifications for the types of notification named by *notification\_id*. Optional field 'addressees' records additional addressees that will also be notified along with these recipients

```
http://{device}/api/npm.usernotify/3.0/subscriptions/items/{id}
```

### JSON

```

{
  "addressees": [ addressee ],
  "filter": data filter,
  "id": integer,
  "notification_id": string,
  "recipient_ids": [
    integer
  ]
}

```

Property Name	Type	Description	Notes
<i>subscription</i>	<object>	Records that the recipients in <i>recipient_ids</i> should receive notifications for the types of notification named by <i>notification_id</i> . Optional field 'addressees' records additional addressees that will also be notified along with these recipients	Required properties: [ <i>notification_id</i> ];
<i>subscription.addressees</i>	<array of <addressee>>	A list of extra addressees to notify in addition to the <i>recipient_ids</i> .	Optional;
<i>subscription.addressees</i> [items]	<addressee>	A base object that associates a <i>delivery_type</i> with data needed to send notifications to at least one notification endpoint. 'delivery_type' defines the type of notification, and other information must be included to specify how and where the notification is delivered. Supported 'delivery_types' include 'email', 'snmp', 'syslog', 'encrypted_syslog', and 'servicenow'	
<i>subscription.filter</i>	<data filter>	A mapping of key names or JSON pointers to literal strings or regexes (e.g. ~/.*/) that must match the value of the named attribute	
<i>subscription.id</i>	<integer>		Optional;
<i>subscription.recipient_ids</i>	<array of <integer>>	Optional list of pre-defined recipient IDs.	Optional;
<i>subscription.recipient_ids</i> [items]	<integer>		
<i>subscription.notification_id</i>	<string>		

## Links

### subscription: delete

```
DELETE http://{device}/api/npm.usernotify/3.0/subscriptions/items/{id}
```

#### Response Body

On success, the server does not provide any body in the responses.

### subscription: get

```
GET http://{device}/api/npm.usernotify/3.0/subscriptions/items/{id}
```

#### Response Body

Returns a [subscription](#) data object.

### subscription: set

```
PUT http://{device}/api/npm.usernotify/3.0/subscriptions/items/{id}
```

#### Request Body

Provide a [subscription](#) data object.

#### Response Body

Returns a [subscription](#) data object.

## Relations

### subscription: instances

Related resource

[subscriptions](#)

## Resource: subscriptions

List of recorded subscriptions

http://{device}/api/npm.usernotify/3.0/subscriptions{?notification\_id,recipient\_id}

### JSON

```
{
  "items": [ subscription ]
}
```

Property Name	Type	Description	Notes
<i>subscriptions</i>	<object>	List of recorded subscriptions	
<i>subscriptions.items</i>	<array of <subscription>>		Optional;
<i>subscriptions.items[items]</i>	<subscription>	Records that the recipients in recipient_ids should receive notifications for the types of notification named by notification_id. Optional field 'addressees' records additional addressees that will also be notified along with these recipients	

## Links

### subscriptions: bulk\_delete

POST http://{device}/api/npm.usernotify/3.0/subscriptions/bulk\_delete

#### Request Body

Provide a request body with the following structure:

### JSON

```
{
  "delete_all": boolean,
  "ids": [
    {
      "notification_id": string
    }
  ]
}
```

Property Name	Type	Description	Notes
<i>subscriptions.links.bulk_delete.request</i>	<object>		
<i>subscriptions.links.bulk_delete.request.delete_all</i>	<boolean>		Optional;
<i>subscriptions.links.bulk_delete.request.ids</i>	<array of <object>>		Optional;
<i>subscriptions.links.bulk_delete.request.ids[items]</i>	<object>		
<i>subscriptions.links.bulk_delete.request.ids[items].notification_id</i>	<string>		
<i>subscriptions.links.bulk_delete.request.oneOf[0]</i>	<object>		Required properties: [delete_all];
<i>subscriptions.links.bulk_delete.request.oneOf[0].&lt;prop&gt;</i>	<any>		Optional;
<i>subscriptions.links.bulk_delete.request.oneOf[1]</i>	<object>		Required properties: [ids];
<i>subscriptions.links.bulk_delete.request.oneOf[1].&lt;prop&gt;</i>	<any>		Optional;

#### Response Body

Returns a [subscriptions](#) data object.

## subscriptions: create

```
POST http://{device}/api/npm.usernotify/3.0/subscriptions{?notification_id,recipient_id}
```

### Request Body

Provide a [subscription](#) data object.

### Response Body

Returns a [subscription](#) data object.

## subscriptions: get

```
GET http://{device}/api/npm.usernotify/3.0/subscriptions{?notification_id,recipient_id}
```

### Response Body

Returns a [subscriptions](#) data object.

## Type: addressee

A base object that associates a `delivery_type` with data needed to send notifications to at least one notification endpoint. 'delivery\_type' defines the type of notification, and other information must be included to specify how and where the notification is delivered. Supported 'delivery\_types' include 'email', 'snmp', 'syslog', 'encrypted\_syslog', and 'servicenow'

### JSON

```
{
  "delivery_type": string,
  <prop>: any
}
```

Property Name	Type	Description	Notes
<i>addressee</i>	<i>&lt;object&gt;</i>	A base object that associates a <code>delivery_type</code> with data needed to send notifications to at least one notification endpoint. 'delivery_type' defines the type of notification, and other information must be included to specify how and where the notification is delivered. Supported 'delivery_types' include 'email', 'snmp', 'syslog', 'encrypted_syslog', and 'servicenow'	Required properties: [delivery_type];
<i>addressee.delivery_type</i>	<i>&lt;string&gt;</i>		
<i>addressee.&lt;prop&gt;</i>	<i>&lt;any&gt;</i>		Optional;
<i>addressee.oneOf[0]</i>	<i>&lt;object&gt;</i>	Reserved for handling unknown delivery types	Required properties: [delivery_type];
<i>addressee.oneOf[0].delivery_type</i>	<i>&lt;string&gt;</i>		
<i>addressee.oneOf[0].delivery_type.not</i>	<i>&lt;string&gt;</i>		Values: syslog, snmp, email, servicenow, encrypted_syslog;
<i>addressee.oneOf[0].&lt;prop&gt;</i>	<i>&lt;any&gt;</i>		Optional;
<i>addressee.oneOf[1]</i>	<i>&lt;email_addressee&gt;</i>	An email addressee. 'delivery_type' must be "email", and 'to' is the destination email address	
<i>addressee.oneOf[2]</i>	<i>&lt;object&gt;</i>	Syslog addressee, supporting both the local and unencrypted remote syslog endpoints	Required properties: [delivery_type];
<i>addressee.oneOf[2].delivery_type</i>	<i>&lt;string&gt;</i>		Values: syslog;
<i>addressee.oneOf[2].host</i>	<i>&lt;string&gt;</i>	Hostname or IP of the remote syslog server. Blank for local syslog.	Optional;
<i>addressee.oneOf[2].port</i>	<i>&lt;integer&gt;</i>	Port of the remote syslog server.	Optional; Range: 0 to 65535; Default is 514;
<i>addressee.oneOf[3]</i>	<i>&lt;encrypted_syslog_addressee&gt;</i>	Encrypted syslog (RFC5425) addressee	
<i>addressee.oneOf[4]</i>	<i>&lt;object&gt;</i>	ServiceNow addressee (logs notifications to a ServiceNow incident table)	Required properties: [delivery_type, baseurl, username];
<i>addressee.oneOf[4].baseurl</i>	<i>&lt;string&gt;</i>	Base URL of the ServiceNow instance	
<i>addressee.oneOf[4].delivery_type</i>	<i>&lt;string&gt;</i>		Values: servicenow;
<i>addressee.oneOf[4].mode</i>	<i>&lt;string&gt;</i>	ServiceNow integration mode	Optional; Default is itsm; Values: itom, itsm;

<code>addressee.oneOf[4].new_password</code>	<code>&lt;string&gt;</code>	Password for the specified ServiceNow account	Optional;
<code>addressee.oneOf[4].send_tags</code>	<code>&lt;boolean&gt;</code>	Send tags to ServiceNow	Optional; Default is False;
<code>addressee.oneOf[4].tags_field</code>	<code>&lt;string&gt;</code>	ServiceNow field to receive tags	Optional; Default is <code>u_tag</code> ;
<code>addressee.oneOf[4].username</code>	<code>&lt;string&gt;</code>	ServiceNow account with privileges to write to incident table	
<code>addressee.oneOf[5]</code>	<code>&lt;object&gt;</code>	SNMP addressee, supporting SNMP v1, v2c or v3	
<code>addressee.oneOf[5].&lt;prop&gt;</code>	<code>&lt;any&gt;</code>		Optional;
<code>addressee.oneOf[5].oneOf[0]</code>	<code>&lt;snmp v1 v2 addressee&gt;</code>	Connection information to send a trap/inform to an SNMP v1/v2 endpoint	
<code>addressee.oneOf[5].oneOf[1]</code>	<code>&lt;snmp v3 addressee&gt;</code>	Connection information to send a trap/inform to an SNMP v3 endpoint	

## Type: data\_filter

A mapping of key names or JSON pointers to literal strings or regexes (e.g. `~/.*`) that must match the value of the named attribute

### JSON

```
{
  <prop>: any
}
```

Property Name	Type	Description	Notes
<code>data_filter</code>	<code>&lt;object&gt;</code>	A mapping of key names or JSON pointers to literal strings or regexes (e.g. <code>~/.*</code> ) that must match the value of the named attribute	
<code>data_filter.&lt;prop&gt;</code>	<code>&lt;any&gt;</code>		Optional;

## Type: delivery\_options

Generic structure to provide global configuration settings to a delivery type

### JSON

```
{
  <prop>: any
}
```

Property Name	Type	Description	Notes
<code>delivery_options</code>	<code>&lt;object&gt;</code>	Generic structure to provide global configuration settings to a delivery type	
<code>delivery_options.&lt;prop&gt;</code>	<code>&lt;any&gt;</code>		Optional;
<code>delivery_options.anyOf[0]</code>	<code>&lt;object&gt;</code>	Email delivery type configuration	
<code>delivery_options.anyOf[0].from</code>	<code>&lt;string&gt;</code>	Address that notification emails will appear to come from	Optional;
<code>host</code>	<code>&lt;string&gt;</code>	Hostname or IP address of the SMTP server	
<code>delivery_options.anyOf[0].new_password</code>	<code>&lt;string&gt;</code>	New plaintext password for authenticated SMTP connections	Optional; Default is ;
<code>delivery_options.anyOf[0].port</code>	<code>&lt;integer&gt;</code>	SMTP server port	Optional; Range: 0 to 65535;
<code>delivery_options.anyOf[0].security</code>	<code>&lt;string&gt;</code>	Type of connection security to use when connecting to the SMTP server	Optional; Values: NONE, SSL, STARTTLS;
<code>delivery_options.anyOf[0].smtp_timeout</code>	<code>&lt;integer&gt;</code>	How long connections to the SMTP server wait before timing out (default: 30 sec)	Optional; Minimum 1;
<code>delivery_options.anyOf[0].username</code>	<code>&lt;string&gt;</code>	Username for authenticated SMTP connections. No authentication is attempted if this is empty (default)	Optional; Default is ;
<code>delivery_options.anyOf[1]</code>	<code>&lt;object&gt;</code>	Syslog delivery options (none supported)	
<code>delivery_options.anyOf[2]</code>	<code>&lt;object&gt;</code>	SNMP delivery options (none supported)	

## Type: distinguished\_name

Distinguished name information

**JSON**

```
{
  "common_name": string,
  "country": string,
  "email": string,
  "locality": string,
  "organization": string,
  "organizational_unit": string,
  "state": string
}
```

Property Name	Type	Description	Notes
<i>distinguished_name</i>	<object>	Distinguished name information	
<i>distinguished_name.common_name</i>	<string>	Common name (CN)	Optional;
<i>distinguished_name.country</i>	<string>	Country code (C)	Optional;
<i>distinguished_name.email</i>	<string>	Email address	Optional;
<i>distinguished_name.locality</i>	<string>	Locality (L)	Optional;
<i>distinguished_name.organization</i>	<string>	Organization name (O)	Optional;
<i>distinguished_name.organizational_unit</i>	<string>	Organization unit name (OU)	Optional;
<i>distinguished_name.state</i>	<string>	State or province name (ST)	Optional;

**Type: email\_addressee**

An email addressee. 'delivery\_type' must be "email", and 'to' is the destination email address

**JSON**

```
{
  "delivery_type": string,
  "to": email_addresses
}
```

Property Name	Type	Description	Notes
<i>email_addressee</i>	<object>	An email addressee. 'delivery_type' must be "email", and 'to' is the destination email address	Required properties: [delivery_type, to];
<i>email_addressee.delivery_type</i>	<string>		Values: email;
<i>email_addressee.to</i>	<email_addresses>	A list of email addresses as strings	

**Type: email\_addresses**

A list of email addresses as strings

**JSON**

```
[
  string
]
```

Property Name	Type	Description	Notes
<i>email_addresses</i>	<array of <string>>	A list of email addresses as strings	
<i>email_addresses[items]</i>	<string>		

**Type: encrypted\_syslog\_addressee**

Encrypted syslog (RFC5425) addressee

**JSON**

```
{
  "auth_method": string,
  "certificates": [ trusted_certificate ],
  "delivery_type": string,
  "host": string,
  "port": integer
}
```

Property Name	Type	Description	Notes
<i>encrypted_syslog_addressee</i>	<object>	Encrypted syslog (RFC5425) addressee	Required properties: [delivery_type, host, port, auth_method, certificates];
<i>encrypted_syslog_addressee.auth_method</i>	<string>	Method used to authorize the remote syslog server. If "certificate_validation" is specified, there must be a valid certification path from the configured certificates to the certificate presented by the remote server. If "certificate_matching" is specified, the certificate presented by the remote server must be present in the configured certificates.	Values: certificate_validation, certificate_matching;
<i>encrypted_syslog_addressee.certificates</i>	<array of <trusted_certificate>>	List of certificates used to authorize the remote server. When using certificate validation, these are the trust anchor and any intermediates. When using certificate matching, this would be the expected remote server's certificate (typically only one).	
<i>encrypted_syslog_addressee.certificates [items]</i>	<trusted_certificate>	A certificate or CA-certificate to be trusted	
<i>encrypted_syslog_addressee.delivery_type</i>	<string>		Values: encrypted_syslog;
<i>encrypted_syslog_addressee.host</i>	<string>	Hostname or IP of the remote syslog server	
<i>encrypted_syslog_addressee.port</i>	<integer>	Port of the remote syslog server	Range: 0 to 65535; Default is 6514;

## Type: host

A host or IPv4 or IPv6 address

JSON

```
string
```

Property Name	Type	Description	Notes
<i>host</i>	<string>	A host or IPv4 or IPv6 address	

## Type: notification\_attribute\_type

Specification of attributes on a notification and their type. Note that these roughly correspond to SNMP standard definitions of the given data type. Not all delivery mechanisms are able to fully handle some data types. Delivery mechanisms are expected to cleanly ignore those attributes they are not able to manage.

JSON

```
{
  "name": string,
  "type": string
}
```

Property Name	Type	Description	Notes
<i>notification_attribute_type</i>	<object>	Specification of attributes on a notification and their type. Note that these roughly correspond to SNMP standard definitions of the given data type. Not all delivery mechanisms are able to fully handle some data types. Delivery mechanisms are expected to cleanly ignore those attributes they are not able to manage.	
<i>notification_attribute_type.name</i>	<string>		Optional;
<i>notification_attribute_type.type</i>	<string>		Optional; Values: OBJECT, MAP, ARRAY, STRING, FLOAT, BOOLEAN, INTEGER, UNSIGNED, COUNTER, GAUGE, BINARY, NULLOBJ, OBJID, TIMETICKS, IP_ADDRESS, NETWORK_ADDRESS, BITS;

## Type: snmp\_v1\_v2\_addressee

Connection information to send a trap/inform to an SNMP v1/v2 endpoint

### JSON

```
{
  "address": string,
  "delivery_type": string,
  "new_community": string,
  "version": string
}
```

Property Name	Type	Description	Notes
<i>snmp_v1_v2_addressee</i>	<object>	Connection information to send a trap/inform to an SNMP v1/v2 endpoint	Required properties: [delivery_type, address, version];
<i>snmp_v1_v2_addressee.address</i>	<string>		
<i>snmp_v1_v2_addressee.delivery_type</i>	<string>		Values: snmp;
<i>snmp_v1_v2_addressee.new_community</i>	<string>		Optional;
<i>snmp_v1_v2_addressee.version</i>	<string>		Values: 1, 2c;

## Type: snmp\_v3\_addressee

Connection information to send a trap/inform to an SNMP v3 endpoint

### JSON

```
{
  <prop>: any
}
```

Property Name	Type	Description	Notes
<i>snmp_v3_addressee</i>	<object>	Connection information to send a trap/inform to an SNMP v3 endpoint	
<i>snmp_v3_addressee.&lt;prop&gt;</i>	<any>		Optional;
<i>snmp_v3_addressee.oneOf[0]</i>	<object>	SNMP v3 addressee with no privacy or authentication	Required properties: [delivery_type, address, version, sec_level];
<i>snmp_v3_addressee.oneOf[0].address</i>	<string>		
<i>snmp_v3_addressee.oneOf[0].delivery_type</i>	<string>		Values: snmp;
<i>snmp_v3_addressee.oneOf[0].engine_id</i>	<string>		Optional; Default is ;
<i>snmp_v3_addressee.oneOf[0].new_sec_name</i>	<string>		Optional;
<i>snmp_v3_addressee.oneOf[0].sec_level</i>	<string>		Values: NoAuthNoPriv;
<i>snmp_v3_addressee.oneOf[0].version</i>	<string>		Values: 3;
<i>snmp_v3_addressee.oneOf[1]</i>	<object>	SNMP v3 addressee with authentication but no privacy	Required properties: [delivery_type, address, version, sec_level, auth_proto];
<i>snmp_v3_addressee.oneOf[1].address</i>	<string>		
<i>snmp_v3_addressee.oneOf[1].auth_proto</i>	<string>		Values: MD5, SHA;
<i>snmp_v3_addressee.oneOf[1].delivery_type</i>	<string>		Values: snmp;
<i>snmp_v3_addressee.oneOf[1].engine_id</i>	<string>		Optional; Default is ;
<i>snmp_v3_addressee.oneOf[1].new_auth_password</i>	<string>		Optional;
<i>snmp_v3_addressee.oneOf[1].new_sec_name</i>	<string>		Optional;
<i>snmp_v3_addressee.oneOf[1].sec_level</i>	<string>		Values: AuthNoPriv;
<i>snmp_v3_addressee.oneOf[1].version</i>	<string>		Values: 3;
<i>snmp_v3_addressee.oneOf[2]</i>	<object>	SNMP v3 addressee with authentication and privacy	Required properties: [delivery_type, address, version, sec_level, auth_proto, priv_proto];
<i>snmp_v3_addressee.oneOf[2].address</i>	<string>		
<i>snmp_v3_addressee.oneOf[2].auth_proto</i>	<string>		Values: MD5, SHA;
<i>snmp_v3_addressee.oneOf[2].delivery_type</i>	<string>		Values: snmp;
<i>snmp_v3_addressee.oneOf[2].engine_id</i>	<string>		Optional; Default is ;



<i>snmp_v3_addressee</i> .oneOf[2].new_auth_password	<string>		Optional;
<i>snmp_v3_addressee</i> .oneOf[2].new_priv_password	<string>		Optional;
<i>snmp_v3_addressee</i> .oneOf[2].new_sec_name	<string>		Optional;
<i>snmp_v3_addressee</i> .oneOf[2].priv_proto	<string>		Values: DES, AES;
<i>snmp_v3_addressee</i> .oneOf[2].sec_level	<string>		Values: AuthPriv;
<i>snmp_v3_addressee</i> .oneOf[2].version	<string>		Values: 3;

## Type: trusted\_certificate

A certificate or CA-certificate to be trusted

### JSON

```
{
  "cert_details": {
    "expires_at": integer,
    "fingerprint": {
      "algorithm": string,
      "value": string
    },
    "issuer": distinguished_name,
    "key": {
      "algorithm": string,
      "size": integer
    },
    "subject": distinguished_name,
    "valid_at": integer
  },
  "name": string,
  "pem": string
}
```

Property Name	Type	Description	Notes
<i>trusted_certificate</i>	<object>	A certificate or CA-certificate to be trusted	Required properties: [name, pem];
<i>trusted_certificate</i> .cert_details	<object>	Certificate details	Read-only; Required properties: [issuer, subject, valid_at, expires_at, fingerprint, key]; Optional;
<i>trusted_certificate</i> .cert_details.expires_at	<integer>	Time at which the certificate expires, in Unix epoch seconds	Read-only;
<i>trusted_certificate</i> .cert_details.fingerprint	<object>	Certificate fingerprint information	Read-only; Required properties: [algorithm, value];
<i>trusted_certificate</i> .cert_details.fingerprint.algorithm	<string>	The algorithm used to calculate the fingerprint	Read-only;
<i>trusted_certificate</i> .cert_details.fingerprint.value	<string>	Fingerprint value	Read-only;
<i>trusted_certificate</i> .cert_details.issuer	<distinguished_name>	Distinguished name information	
<i>trusted_certificate</i> .cert_details.key	<object>	Certificate key information	Read-only; Required properties: [algorithm, size];
<i>trusted_certificate</i> .cert_details.key.algorithm	<string>	The algorithm used to generate the key	Read-only;
<i>trusted_certificate</i> .cert_details.key.size	<integer>	The size (number of bits) of the key	Read-only;
<i>trusted_certificate</i> .cert_details.subject	<distinguished_name>	Distinguished name information	
<i>trusted_certificate</i> .cert_details.valid_at	<integer>	Time at which the certificate becomes valid, in Unix epoch seconds	Read-only;
<i>trusted_certificate</i> .name	<string>	Name of this certificate	
<i>trusted_certificate</i> .pem	<string>	The certificate, in PEM format	