

15.0 Notification APIs

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15.0 Notification APIs

15.1 Create Host Notifications

Send a batch (1..n) of host NOMA notifications to GroundWork server.

If one or more notification messages fails, others may still succeed. This is not an all-or-none transactional operation. The results of each individual notification message is returned back in the resultset described below with a status of success or failure.

15.1.1 Method: POST

[POST /api/notifications/hosts](#)

15.1.2 HTTP Headers

Header	Valid Values	Required
Content-Type	application/xml or application/json	True
GWOS-API-TOKEN	a valid token returned from login	True
GWOS-APP-NAME	your application name	True

15.1.3 Post Data Attributes and Elements

Field	Description	Required
hostState	A valid Host Monitor Status such as UP, UNREACHABLE, WARNING, PENDING, UNSCHEDULED DOWN, SCHEDULED DOWN, DOWN	Yes
hostName	the name of the host	Yes
hostGroupNames	a comma-separated list of one or more valid host group names	No
notificationType	A valid Notification type such as RECOVERY or PROBLEM	Yes
hostAddress	the IP address of the host	No
hostOutput	the textual output to be sent to the notification server	Yes
checkDateTime	a time stamp in YYYY-MM-DD hh:mm:ss format	No
hostNotificationId		No
notificationAuthOrAlias		No
notificationComment	Additional comments	No
notificationRecipients		No

15.1.4 XML POST Data Example

```

<notifications>
  <notification
    hostname='server-12'
    hostAddress='10.0.0.11'
    hostGroupNames='group-21,group-22'
    hostNotificationId=''
    hostOutput='Hypervisor cannot be reached to determine the status'
    hostState='PENDING'
    notificationComment='Cloud Hub Host Notification'
    notificationRecipients=''
    notificationType='RECOVERY'
    checkDateTime='2014-04-14 07:21:'
    notificationAuthOrAlias=''

  />
</notifications>

```

See [Appendix A](#) for examples of usage with Curl
 More Post Data Examples: [XML](#) - [JSON](#)

15.1.5 HTTP Status Codes

200 - Zero or more notifications were created without any internal server errors
 500 - An internal server error occurred

15.1.6 Example Response

In this example, we use the POST data above. Two host notifications were successfully created.

```

<?xml version="1.0" encoding="utf-8" standalone="yes"?>
<results successful="2" failed="0" entityType="HostNotification"
  operation="Update" warning="0" count="2">
  <result>
    <entity>server-12</entity>
    <message></message>
    <status>success</status>
  </result>
  <result>
    <entity>server-13</entity>
    <message></message>
    <status>success</status>
  </result>
</results>

```

15.2 Create Service Notifications

Send a batch (1..n) of service NOMA notifications to GroundWork server.

If one or more notification messages fails, others may still succeed. This is not an all-or-none transactional operation. The results of each individual notification message is returned back in the resultset described below with a status of success or failure.

15.2.1 Method: POST

[POST /api/notifications/services](#)

15.2.2 HTTP Headers

Header	Valid Values	Required
Content-Type	application/xml or application/json	True
GWOS-API-TOKEN	a valid token returned from login	True
GWOS-APP-NAME	your application name	True

15.2.3 Post Data Attributes and Elements

Field	Description	Required
serviceState	A valid Service Status such as WARNING, OK, UNKNOWN, UNSCHEDULED CRITICAL, PENDING_SERVICE, SCHEDULED CRITICAL	Yes
hostName	The name of the host	Yes
hostGroupNames	a comma-separated list of one or more valid Host Group names	No
serviceGroupNames	a comma-separated list of one or more valid Service Group names	No
serviceDescription	the name (description) of the service	Yes
serviceOutput	the textual output to be sent to the notification server	Yes
notificationType	A valid Notification type such as RECOVERY or PROBLEM	Yes
hostAlias		No
hostAddress	the IP address of the host	No
checkDateTime	a time stamp in YYYY-MM-DD hh:mm:ss format	No
serviceNotificationId		No
notificationAuthOrAlias		No
notificationComment	Additional comments	No
notificationRecipients		No

15.2.4 XML POST Data Example

```
<?xml version="1.0" encoding="utf-8" standalone="yes"?>
<notifications>
  <notification
    hostname='server-12'
    serviceDescription='local_cpu_nagios'
    hostAddress='10.0.0.11'
    hostGroupNames='group-21,group-22'
    hostAlias='host1'
    serviceGroupNames='sg1,sg2'
    serviceOutput='Service cannot be reached to determine the status'
    serviceState='UNKNOWN'
    serviceNotificationId='433'
    notificationComment='Cloud Hub Host Notification'
    notificationRecipients='admin@gwos.com'
    notificationType='RECOVERY'
    checkDateTime='2014-04-14 07:21:33'
    notificationAuthOrAlias='alias'
  />
</notifications>
```

See [Appendix A](#) for examples of usage with Curl
 More Post Data Examples: [XML](#) - [JSON](#)

15.2.5 HTTP Status Codes

200 - Zero or more notifications were created without any internal server errors
 500 - An internal server error occurred

15.2.6 Example Response

In this example, we use the POST data above. Two service notifications were successfully created.

```
<?xml version="1.0" encoding="utf-8" standalone="yes"?>
<results successful="2" failed="0" entityType="ServiceNotification"
  operation="Update" warning="0" count="2">
  <result>
    <entity>server-12:local_cpu_nagios</entity>
    <message></message>
    <status>success</status>
  </result>
  <result>
    <entity>service-13:vm.cpu_util</entity>
    <message></message>
    <status>success</status>
  </result>
</results>
```