

LiveNX Server REST API

RESTful service for acquiring data from the LiveNX server

authenticationOptions : Authentication Options

| | | Show/Hide List Operations Expand Operations Raw |
|------|--|---|
| POST | /authenticationOptions/passwordRestriction | Sets the Password Constraints |
| GET | /authenticationOptions/passwordRestriction | Gets the Password Constraints |
| GET | /authenticationOptions/passwordPolicy | Gets configuration related to general login settings |
| POST | /authenticationOptions/passwordPolicy | Saves the password policy options and replaces the old one |
| GET | /authenticationOptions/loginOptions | Gets the login option settings |
| POST | /authenticationOptions/loginOptions | Sets the login options |

batch : An endpoint to perform batch operations

| | | Show/Hide List Operations Expand Operations Raw |
|------|--------|---|
| POST | /batch | Performs the batch operations |

businesshours : The business hours for sites

| | | Show/Hide List Operations Expand Operations Raw |
|--------|---------------------|---|
| GET | /businesshours/{id} | Get information about a particular site's business hours based on its root id |
| PUT | /businesshours/{id} | Update existing business hours for a site |
| DELETE | /businesshours/{id} | Delete the business hours for the site with the specified ID |
| GET | /businesshours | Gets all the available business hours |
| POST | /businesshours | Creates a new business hours |
| PUT | /businesshours | Create or update multiple business hours |
| POST | /businesshours/fill | Fills in all sites in application with default business hours if the site is not configured |

cloudLicense : Cloud License

| | | Show/Hide List Operations Expand Operations Raw |
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|------|-----------------------------------|---|
| POST | /cloudLicense/activate | Activation of cloud license |
| POST | /cloudLicense/authenticate | Cloud license authentication |
| POST | /cloudLicense/deactivate | Deactivation of cloud license |
| GET | /cloudLicense/refresh | Refresh the cloud license from SLM |
| POST | /cloudLicense/trialLicenseNewUser | Register a user by creating an account and generating a trial license |

deviceStatus : The different device statuses

| | | Show/Hide | List Operations | Expand Operations | Raw |
|------|------------------------------|-----------|-----------------|-------------------|--|
| GET | /deviceStatus | | | | Gets the current device statuses for all devices |
| POST | /deviceStatus | | | | Gets the current device status |
| GET | /deviceStatus/{deviceSerial} | | | | Gets the current device status |

devices : The different network routers and devices registered to LiveNX

| | | Show/Hide | List Operations | Expand Operations | Raw |
|-----|---------------|-----------|-----------------|-------------------|--|
| GET | /devices/{id} | | | | Gets information about a specific device |
| GET | /devices | | | | Gets all of the devices |

search : Resolution for the names of the different network routers and devices registered to LiveNX

| | | Show/Hide | List Operations | Expand Operations | Raw |
|------|-----------------|-----------|-----------------|-------------------|---|
| POST | /devices/search | | | | Gets a resolved list of device names for provided serials |

flexSearch : The flex search endpoint to determine valid fields and operands

| | | Show/Hide | List Operations | Expand Operations | Raw |
|------|-----------------------------------|-----------|-----------------|-------------------|---|
| GET | /flexSearch/fields/{field}/values | | | | Gets all the predictable values for a particular field |
| POST | /flexSearch/validate | | | | Gets all the predictable values for a particular field |
| GET | /flexSearch/fields | | | | Gets a full list of all the flex search fields and their children |

infoElements : The info elements which are used for describing the network data

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| GET | /infoElements/{id} | Gets information about an info element |
| GET | /infoElements | Gets all of the info elements |

keyPairsData : Provides data for use with chord diagrams.

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|------|---------------|---|
| GET | /keyPairsData | Gets the type of data that can be returned for different kinds of key pair types. |
| POST | /keyPairsData | Gets data that are associated with a set of key pairs. |

ldapPoller : LDAP Poller configuration

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| | | |
|--------|------------------------------|--|
| GET | /ldapPoller/general | Gets LDAP Poller general configuration |
| POST | /ldapPoller/general | Saves the LDAP Poller general configuration and replaces the old one |
| GET | /ldapPoller/poll/{id} | Polls a LDAP server |
| GET | /ldapPoller/ldapServers | Gets all the LDAP servers |
| POST | /ldapPoller/ldapServers | Creates a LDAP server |
| GET | /ldapPoller/ldapServers/{id} | Gets a LDAP server |
| PUT | /ldapPoller/ldapServers/{id} | Updates a LDAP server |
| DELETE | /ldapPoller/ldapServers/{id} | Deletes the LDAP server with the specified ID |
| GET | /ldapPoller/poll | Polls all the LDAP servers |

license : Current license information for LiveNX and LiveUX.

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| | | |
|-----|---------------------|--|
| GET | /license | Gets the license information for LiveNX and LiveUX |
| GET | /license/liveUx | Gets the license information for LiveUX |
| GET | /license/liveAction | Gets the license information for LiveNX |

mailer : The Configuration state of the Email server.

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|-----|---------|--|
| GET | /mailer | Gets the state related to email server configuration |
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oauth : Login information for clients/users to access the API via OAuth 2

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|-----|------------------|----------------------------------|
| GET | /oauth/authorize | OAuth 2.0 Authorization Endpoint |
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| POST | /oauth/token | OAuth 2.0 Token Endpoint |
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reports : The base for all reports

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|-----|----------|--------------------------------|
| GET | /reports | Gets all the available reports |
|-----|----------|--------------------------------|

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|-----|----------------------|--|
| GET | /reports/cancel/{id} | Cancels the job for a queued or running report |
|-----|----------------------|--|

| | | |
|-----|----------------------|--|
| PUT | /reports/cancel/{id} | Cancels the job for a queued or running report |
|-----|----------------------|--|

| | | |
|--------|----------------------|--|
| DELETE | /reports/cancel/{id} | Cancels the job for a queued or running report |
|--------|----------------------|--|

flow : The different reports on flow data that can be ran

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| GET | /reports/flow/{id}/runAggregation.csv | Runs a particular aggregation on the specified report |
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| GET | /reports/flow/{id}/runTimeSeries.csv | Runs a particular time series aggregation on the specified report |
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|-----|---------------|--|
| GET | /reports/flow | Gets all the available reports for flow data |
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|-----|--------------------|---|
| GET | /reports/flow/{id} | Get information about a particular report |
|-----|--------------------|---|

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| POST | /reports/flow/run | Runs a particular aggregation or time series on the specified reports |
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|-----|------------------------|--|
| GET | /reports/flow/{id}/run | Runs a particular aggregation or time series on the specified report |
|-----|------------------------|--|

qos : The different reports on qos data that can be ran

Show/Hide | List Operations | Expand Operations | Raw

| | | |
|-----|--------------|---|
| GET | /reports/qos | Gets all the available reports for qos data |
|-----|--------------|---|

| | | |
|-----|-------------------|---|
| GET | /reports/qos/{id} | Get information about a particular qos report |
|-----|-------------------|---|

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|-----|-----------------------|---|
| GET | /reports/qos/{id}/run | Runs a particular aggregation on the specified report |
|-----|-----------------------|---|

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| POST | /reports/qos/run | Runs one or more qos reports |
|------|------------------|------------------------------|

queue : Report queue for asynchronous reporting

Show/Hide | List Operations | Expand Operations | Raw

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|--------|------------------------------|--|
| PUT | /reports/queue/register/{id} | Updates the expiration for a callback based on registration id |
| DELETE | /reports/queue/register/{id} | Removes a specified callback based on registration id |
| POST | /reports/queue | Creates a new job to be run |
| GET | /reports/queue | Gets a snapshot of all items queued or running |
| POST | /reports/queue/register | Registers a callback for this queue |

results : The end point to retrieve stored results

Show/Hide | List Operations | Expand Operations | Raw

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| GET | /reports/results/search | Finds all the metadata about the results for the provided user within a given time range |
| GET | /reports/results | Finds the most recent results for the provided user |
| POST | /reports/results/{id}/share | Removes the results of a job if it exists and is available. |
| DELETE | /reports/results/{id} | Removes the results of a job if it exists and is available. |
| GET | /reports/results/{id} | Gets the results of a job if it exists and is available. |

saved : The saved reports configured in LiveNX

Show/Hide | List Operations | Expand Operations | Raw

| | | |
|--------|---------------------|--|
| PUT | /reports/saved/{id} | update the saved group with the specified Id |
| GET | /reports/saved/{id} | Gets the saved group with the specified Id |
| DELETE | /reports/saved/{id} | Delete the saved group with the specified Id |
| GET | /reports/saved | Gets all the saved report groups |
| POST | /reports/saved | Create a new saved report group |

schedule : The schedule reports configured in LiveNX

Show/Hide | List Operations | Expand Operations | Raw

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|------|--------------------------|-------------------------------------|
| POST | /reports/schedule/groups | Create a new schedule report group |
| GET | /reports/schedule/groups | Gets all the schedule report groups |

| | | |
|--------|-------------------------------|---|
| GET | /reports/schedule/groups/{id} | Gets the schedule group with the specified Id |
| PUT | /reports/schedule/groups/{id} | update the schedule group with the specified Id |
| DELETE | /reports/schedule/groups/{id} | Delete the schedule group with the specified Id |

security : Security flow report analysis

Show/Hide | List Operations | Expand Operations | Raw

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|------|-------------------|---|
| POST | /reports/security | Runs a particular aggregation or time series on the specified reports |
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siteApiState : The api flags related to sites used by the user

Show/Hide | List Operations | Expand Operations | Raw

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|-----|---------------|--|
| GET | /siteApiState | Gets the api state related to site configuration |
| PUT | /siteApiState | Sets the api flags related to site configuration |

siteStatus : The different site statuses

Show/Hide | List Operations | Expand Operations | Raw

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|-----|-------------|--------------------------------|
| GET | /siteStatus | Gets the current site statuses |
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sites : The different sites defined in LiveNX

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|-----|----------------------|-------------------------------------|
| GET | /sites/{id} | Gets the site with the specified Id |
| PUT | /sites/{id} | Update existing site |
| GET | /sites | Gets all the sites |
| PUT | /sites/{id}/position | Update position of an existing site |

ssl : SSL Certification

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|--------|-------------------------------|---|
| POST | /ssl/certificates | Gets all the certificates on given host |
| GET | /ssl/trustedCertificates | Gets all the imported certificates on the trust store |
| PUT | /ssl/trustedCertificates/{id} | Add given certificate to trust store |
| DELETE | /ssl/trustedCertificates/{id} | Delete given Certificate from trust store |

status : A status endpoint to check that the API server is running and the provided API key is valid, and the status about the system

Show/Hide | List Operations | Expand Operations | Raw

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| GET | /status | Gets the current time of the server |
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| GET | /status/disk | Gets the usable bytes and percentage of the data directory |
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tags : The different tags defined in LiveNX

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|-----|-------|-------------------------------------|
| GET | /tags | Gets all the defined tags in LiveNX |
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telemetry : An endpoint to determine if telemetry is enabled

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| GET | /telemetry/status | Get telemetry status such as if it is enabled |
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tier : The tier categorizations available for sites

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|-----|-----------------------|--------------------------|
| GET | /tier/categories/{id} | Gets a specific category |
|-----|-----------------------|--------------------------|

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| GET | /tier/categories | Gets all the categories for the currently selected tier categorization |
|-----|------------------|--|

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| GET | /tier/categorizations | Gets all of the tier categorizations |
|-----|-----------------------|--------------------------------------|

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| PUT | /tier/categorizations/{id} | Selects the specified categorization associated with the given id |
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time : An endpoint to get the current time of the server

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| | | |
|-----|-------|-------------------------------------|
| GET | /time | Gets the current time of the server |
|-----|-------|-------------------------------------|

timezones : The endpoint for getting the different available time zones

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|-----|------------|--------------------------------------|
| GET | /timezones | Gets all of the time zones supported |
|-----|------------|--------------------------------------|

topology : The different topology supported in LiveNX

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| | | |
|-----|---------------------|---|
| GET | /topology/site/{id} | Gets the entities and connections for the specified site id |
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| POST | /topology/site/{id}/layout | Create a new site topology layout and replace the old layout |
|------|----------------------------|--|

| | | |
|-----|----------------------------|---|
| GET | /topology/site/{id}/layout | Gets the entities and connections for the specified site id |
|-----|----------------------------|---|

| | | |
|------|---|--|
| PUT | /topology/site/{id}/layout | Update only the specified topology entity positions in the site topology |
| POST | /topology/site/{id}/wansegments | Gets expanded flows for the WAN devices |
| POST | /topology/path | Gets the data required to draw the full path for a flow |
| GET | /topology/application/summary | Gets top wan applications for a site |
| GET | /topology/site/{id}/application/summary | Gets top wan applications for a site |
| POST | /topology/site/{id}/application | Gets device-to-device application flows within a site |
| POST | /topology/application | Gets site-to-site application flows |
| POST | /topology/application/rawsegments | Gets the top N raw flows for flow segment |

user : User management

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|------|----------------------|---|
| POST | /user/changePassword | User Password Change |
| GET | /user | Gets the authorization information about the authenticated user |

userId : UserID records

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|-----|-----------------------|--|
| GET | /userId/users | Gets users |
| GET | /userId/groups | Gets groups |
| GET | /userId/users/{id} | Gets a user |
| GET | /userId/groups/{id} | Gets a group |
| GET | /userId/users/summary | Gets summary of users |
| GET | /userId/findAddresses | Gets a list of source IP addresses of a user |
| GET | /userId/findUsers | Gets a list of last logon users given an IP address and time range |

userManagement : User Management

Show/Hide | List Operations | Expand Operations | Raw

| | | |
|--------|----------------------------------|--|
| GET | /userManagement/roles | Gets all predefined roles |
| GET | /userManagement/users | Gets all the existing users |
| DELETE | /userManagement/users/{userName} | Deletes the user with the specified username |

