

## LiveNX 21.3.0 Release Notes

### Release Information

- Release Version: LiveNX v21.3.0
- Release Date - July 14 2021
- Release Designation - ED (Early Deployment)

### Build Information

APPLICATION VERSION	
Server Version :	21.3.0-20210713-6f70dc0
Web Version :	21.3.0-20210712-ee97afc58d+b153

## New Features and Enhancements

### LiveNX

#### Role-Based Access Control

- Consolidate number of roles from 6 to 3
- Introduce User Groups that allow updating permissions/visibility for multiple users at once
- Allow for Dynamic Device Access Association, meaning to allow for device access to be based not only on a static list of devices, but also based on Sites and Regions associations
- Add capability to adjust Web UI Page Visibility based on User Group so that not all pages are visible to all groups
- Updated User Management workflows to incorporate the new user group

#### Alerting Enhancements

- Add capability to allow user to configure which alerts can contribute to entity status
- Add semantic information to alerts generated from vManage integration
- Add support for != for source and destination sites in SD-WAN SLA Class Path Change alert
- Add support for != for source and destination sites in SD-WAN Performance alerts
- Update alert source filter for interface reachability alert to include service provider and interface type
- Add ability to hide active alerts on alert history page

#### VeloCloud Integration

- Correctly identify vendor name for VeloCloud devices during discovery
- Add support for polling VeloCloud CPU and memory stats vis SNMP
- Add support for additional VeloCloud IPFIX fields
- Enhance ID type IPFIX fields to display meaningful name or description by mapping ID to static string value or looking them up in options records

## IPFIX Support Enhancements

- Add support for additional IANA IPFIX fields
- Add support for Niagara IPFIX fields
- Add support for additional IXIA IPFIX fields
- Add support for additional Palo Alto Networks IPFIX fields
- Add support for CloudGenix IPFIX fields

## EIGRP

- Add EIGRP to pre-configured OID polling
- Add support for EIGRP reporting and alerting

## Reporting Enhancements

- Add Top Device Packet Rate and Top Interface Packet Rate reports
- Add support for using App Group as key in dynamic report
- Add support for many additional newly supported IPFIX fields from VeloCloud, Niagara, IXIA, Palo Alto Networks, CloudGenix and standard IANA
- Add Label column to Top Interface reports and WAN Capacity Planning story

## Topology

- Add support for != for source and destination sites in GEO topology tunnel layer
- Add support for != for source and destination sites in GEO topology flow layer

## Integration and Configuration

- Allow integration of external services to bypass proxy settings
- Log out all active sessions when user changes password

## LiveNA

### Analysis/Reporting Enhancements

- Add support for running the following reports in LiveNA: IPs and Applications, Interface Bandwidth (Flow), Interface Bandwidth Summary (Flow)
- Improve the logic used to resolve the report execution platform when running a report which can execute in either LiveNX or LiveNA
- Avoid queueing reports in LiveNX's report queue if they will execute in LiveNA

### Debugging/Diagnostics

- Log SQream version during startup
- Implement support to export logs and other system/diagnostic information from LiveNA

### Cloud Monitoring

- Add support for private network in AWS via PrivateLink

## API Updates

URI	Summary
/userManagement/users	Added support for User Groups via <code>groupId</code> while keeping backwards compatibility with <code>role</code> if <code>groupId</code> is missing
/userManagement/users Various other endpoints that use role	All enumerations for <code>ROLE</code> have been changed to only support three values: <ul style="list-style-type: none"> <li>ADMIN</li> <li>CONFIG</li> <li>VIEW</li> </ul>
/userManagement/users/importLdapUsers	Added support for User Groups via <code>groupId</code> while keeping backwards compatibility with <code>role</code> if <code>groupId</code> is missing
/userManagement/users/mapLdapUsers	Added support for User Groups via <code>groupId</code> while keeping backwards compatibility with <code>role</code> if <code>groupId</code> is missing
/userGroups	Added new REST API support for User Group management
/reports/forceCancel	This endpoint force-cancels all reports in the specified queue. <p>Support for the logical queue names "fastLane" and "normal" (which didn't represent actual queues but corresponded to report priorities P1/P2/P3 and P4/P5/P6 respectively) have been removed.</p> <p>We have implemented new queues named "livenx" and "analytics", for managing reports executed in LiveNX and LiveNA respectively.</p> <p>As a result, cancelling reports using this endpoint requires using the new queue names "livenx" and "analytics".</p>
/serviceNow/config /serviceNow/config/validate	Added <code>useProxy</code> parameter to determine specifically indicate that proxy needs to be used or not for ServiceNow feature or not.
/viptela/config /viptela/config/validate	Added <code>useProxy</code> parameter to determine specifically indicate that proxy needs to be used or not for Cisco SD-WAN feature or not.
/apicme/config /apicme/config/validate	Added <code>useProxy</code> parameter to determine specifically indicate that proxy needs to be used or not for Cisco DNAC feature or not.
/ldapPoller/ldapServers /ldapPoller/ldapServers/{id} /ldapPoller/poll /ldapPoller/poll/{id}	Added support for User Groups via <code>groupOfAutoAddUsers</code> while keeping backwards compatibility with <code>roleOfAutoAddUsers</code> if <code>groupOfAutoAddUsers</code> is missing.
/alerting/identifiers	Added support to get and update the status contribution for alert identifier configurations. This addition <code>contributeToStatus</code> property allows users to specify whether an alert contributes to status.

## Resolved Customer Issues

- LS-2637: periodically sync vManage alarms to clear LiveNX alerts that has been resolved in vManage
- LS-2638: improve Java client loading performance
- LS-2810: fix error getting devices under maintenance mode when device has no host name
- LS-2831: fix failing generation of large PDF report file
- LS-2846: properly handle duplicate report ID during start up
- LS-2858: fix missing SNMP data after server or node restart in certain cases when time shifts backward
- LS-2861: add support for device flex search for IPSLA reports