

# Integrated EMS Solution using HP OpenView NNM

## Benefits

Calsoft helped the customer:

- Accelerate development of their product with skilled engineers
- Reduce time to market with proven processes and methodologies
- Reduce software errors because of proven history of product development, testing, and quality assurance.
- Achieve their overall objective at a lower cost and with guaranteed support from a proven technology vendor
- Increase customer satisfaction with high quality product built with robust product assurance processes

## The Client

The client is a recognized leader in communication technologies.

## The Challenge

While delivering the new high end security devices, the client faced the challenge of providing an EMS solution to existing customers, who were already using HP NNM. Essentially, there was a need to implement an EMS that can be easily integrated with HP NNM.

## The Solution

Calsoft Labs designed and implemented an Element Management Plug-in for HP OpenView NNM to manage high-end security devices. The solution had a two pronged approach:

- Customization of HP OpenView NNM Runtime for managing the client's devices. The feature-set included device discovery, fault management and performance management
- C++ and Java based plug-in modules for HP OpenView NNM for providing additional device management capabilities such as firmware, security and configuration management, and integration with OpenView Windows and Maps.

This integrated solution benefitted the end-users by offering device specific EMS features leveraged from the powerful enterprise management features of NNM. The solution also eliminated the need for having one more EMS along with HP OpenView NNM.

## Technology

- HP OpenView NNM
- BRASS Server from SNMP Research (For SNMPv3)
- C++ and Java.

If you wish to know more about Calsoft Labs and its offerings, please feel free to mail us at [info@calsoftlabs.com](mailto:info@calsoftlabs.com)

### About Calsoft Labs

Calsoft Labs provides specialized concept to market Product Engineering and embedded design and engineering services in select market segments – ISVs, New Media Companies, Networking and Datacom OEMs, computer hardware manufacturers, semiconductor companies and consumer electronics companies.