# HPE OneView provides NXP access to global data centers in seconds

A global dashboard delivers unified visibility into infrastructure resources



**Industry**
Manufacturing

**Objective**
Improve visibility into global HPE infrastructure to diagnose and resolve issues more efficiently

**Approach**
Use HPE OneView Global Dashboard to view the health of 2,400 HPE servers and 170 HPE Synergy Frames in multiple locations in real-time

**IT matters**
- Single management pane simplifies and speeds detection of infrastructure issues
- Reports quickly show available frame capacity when purchasing new compute servers
- Grouping and filtering capabilities allow deep dives to infrastructure resources in a specific location

**Business matters**
- Allows quick resolution of IT issues, providing always-on availability for R&D engineers pushing the boundaries of performance and speed
- Decreases IT contractor time—and budget—spent on routine capacity management and error tracking tasks
- Real-time search and reporting capabilities enable faster, more informed decision-making, and smarter investments in infrastructure resources

Based in the Netherlands, NXP Semiconductors develops connectivity solutions for the secure identification, automotive, industrial manufacturing, retail, and communications industries.

Its research and development IT (R&D IT) team supports designers who develop chips used for secure applications within smart car, home, and retail environments; factory automation; and identity authentication. Unlike a manufacturing IT environment, where systems stability is key, R&D IT must "constantly push the boundaries of performance and speed," says Martijn Spoorendonk, their R&D IT Product Manager. "The systems need to work quickly, and the design simulations must be up and running as soon as possible."

## Challenge

### Monitoring mission-critical systems in multiple locations

The R&D IT team supports more than 2,400 HPE servers with HPE BladeSystem c7000 Enclosures and 170 HPE Synergy Frames managed by 35 different HPE OneView appliances in several regions across the globe. It contracts with a systems management vendor partner in India, as well as with HPE Adaptive Management Services for infrastructure management services.

"Engineering for bleeding-edge solutions requires our mission-critical apps to be always available and performing at their highest capacity," says Spoorendonk. "We need to know immediately when a system is down, where it is, and what's causing it so that we can alert the right team to fix it."

Additionally, because R&D requires flexibility and an ever-evolving IT environment, capacity management can be a resource-heavy task. Spoorendonk and team must be able to quickly understand whether they can add servers in existing bays or need to invest in more housing as they ramp up for new projects or programs.

With so many systems, team members, and locations—NXP operates out of 30 countries—the R&D IT staff needed a way to easily monitor its entire infrastructure, view inventory, and address issues that could slow operations.

"The HPE OneView Global Dashboard helps each of our teams save at least five hours a week, which is a great advantage for us."

– Martijn Spoorendonk, Product Manager, Research and Development IT, NXP Semiconductors

HPE OneView Global Dashboard enables NXP Semiconductors to efficiently monitor and manage 2,400 HPE servers and 170 HPE Synergy Frames in multiple locations—all in real-time.

## Solution

### A unified view of its global infrastructure

HPE OneView appliances are embedded in the HPE Synergy Frames for NXP, allowing the company to perform complex IT infrastructure tasks such as configuration, provisioning, and updating with one management tool—but NXP still needed a way to monitor its large, global environment.

Hewlett Packard Enterprise pointed Spoorendonk to HPE OneView Global Dashboard. A solution available at no additional charge to the HPE OneView customers that builds upon its core capabilities by adding visibility and reporting across multiple appliances in different geographic regions.

With HPE OneView Global Dashboard, NXP and its IT service contractors would be able to see a unified view of its HPE OneView managed infrastructure resources and the health status of servers, profiles, enclosures, HPE OneView appliances, and HPE Synergy Frames. The Global Dashboard supports up to 75 appliances (HPE OneView or/and HPE Synergy Composer) and up to 20,000 servers.

The R&D IT team installed two instances of HPE OneView Global Dashboard, one for its normal secure environment and one for an ultra-secure environment where computer chips are designed for digital passports, wireless identification, and other authentication applications.

"HPE Global Dashboard allows us to easily monitor all the HPE OneView appliances in our frames—so we're able to make faster, more informed decisions to support our R&D designers," explains Spoorendonk.

### Alerts and reporting

The intuitive HPE OneView Global Dashboard interface allows NXP to quickly spot critical alerts across its entire system anywhere and drill down into HPE OneView to resolve the issue as quickly as possible.

"The HPE OneView Global Dashboard alerts are crucial," says Spoorendonk. "We can immediately see any problems with server profiles, enclosures, frames, and appliances, then direct the alerts to the people who can fix them."

NXP can also gain real-time insight into its environment from reports available on the dashboard that summarize system health, alerts, inventory, contract, warranty, and licensing data. Reports can be scheduled to be automatically generated and emailed to the pertinent team members.

### Inventory management

Spoorendonk and his team use the HPE OneView Global Dashboard's reporting features to significantly reduce staff time spent on capacity management tasks and eliminate expenditures on unneeded infrastructure.

"Global Dashboard makes it really convenient to see how many slots or bays are free in a server or frame by viewing the enclosures report," says Spoorendonk. "For example, if we need to buy compute servers for a specific data center, we can view the data center on the dashboard and know that we still have space for more servers—so we don't need to invest in a new frame setup."

"Global Dashboard makes it really convenient to see how many slots or bays are free in a server or frame by viewing the enclosures report. We can view the data center on the dashboard and know that we still have space for more servers—so we don't need to invest in a new frame setup."

– Martijn Spoorendonk, Product Manager, Research and Development IT, NXP Semiconductors

## Customer at a glance

**Software**

• HPE OneView Global Dashboard

• HPE OneView

• HPE Synergy

• HPE BladeSystem

**HPE Pointnext Services**

• HPE Adaptive Management Services

### Groups and filtering

The HPE OneView Global Dashboard's group and filter features allow NXP to view its infrastructure by region or other groupings as needed. NXP employs a custom naming convention for each of its global regions and filters down to quickly view data pertinent to only that location. Then, the team can quickly and securely log in directly to either the local HPE OneView appliance or the HPE iLO processor on any server without keeping track of additional passwords.

"Because we manage systems globally, we don't have people in every data center to notice if there are red or orange lights blinking, indicating a problem—so drilling down to see what's going on remotely is a huge advantage for us," explains Spoorendonk.

### Search

The dashboard's search feature provides visibility to devices across data centers in just seconds. NXP can search for attributes associated with a resource—such as a server name, make, or serial—to quickly find and navigate to the desired item, then drill down for more details.

## Benefits

### More resources for mission-critical performance

Since using the dashboard, Spoorendonk estimates that his R&D IT team and each of the vendor partners spend much less time—at least five hours a week per team—identifying routine issues and managing capacity. Additionally, inventory reports used in capacity management ensure smart purchases, allowing NXP R&D IT to pivot budget previously used for unnecessary infrastructure to building best-in-class computing environments. And using the HPE OneView Global Dashboard to remotely diagnose errors in data centers around the globe allows NXP to streamline staffing and operations.

These benefits combine to allow R&D IT to devote more resources to ensure chip designers have the always-on availability they need to move the business forward.

Learn more at
**hpe.com/products/ovglobaldashboard**

**Make the right purchase decision. Click here to chat with our presales specialists.**

✉ **Share now**

🖥 **Get updates**