Brochure

Bridging the IT gap

A fresh approach to infrastructure management

Get started
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Why HP?
Data center technology is evolving at an unprecedented pace. You can’t say the same for infrastructure management tools. They’re stuck in the past, and that’s a problem. You can’t compete at today’s speed and scale with yesterday’s management approaches. You’re caught in an IT gap—between rising business demands and the limitations of aging tools.
The growing IT management gap

When you consider today’s IT management gap, and the need for fundamental change, it may help to keep these projections in mind:

• **By 2015**, enterprise data centers will experience:

![Graph showing data growth, device growth, VM growth, and user growth]

During this same period, the size of IT infrastructure and operations teams will remain flat and maintenance windows will continue to shrink.

• **Through 2017**, 75% of infrastructure and operations organizations will fill mobile, social, and information IT service support management product gaps with third-party tools or custom-developed solutions.

• **By 2020**, the proliferation of as-a-service technology, tech-savvy workers, and increased business complexity will widen the gap between business demand and traditional IT supply.

Today’s management tools weren’t built for these challenges. And now they are being pushed to their limits. In simple terms, we’re facing a collision of the present and the past—today’s trends and yesterday’s management tools.

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1. IDC Navigating the Big Data Landscape: Best Practices for Managing Structured and Unstructured Data, June 2013
Are your management tools stuck in the past?

Let’s take a closer look at existing IT management models. The tools in use today were designed to manage individual devices. This leaves your IT organization with many management tools that are run by different administrators or organizations.

Each tool operates differently—different user interfaces, different APIs, different data models—and none of them help your administrators work together. And even with all of the tools in use today, many tasks are still carried out with manual processes that are costly, time-consuming, and error-prone.

To make matters worse, those processes are often serial in nature. Team A completes one part of the process, and then Team B takes over for its part, and then Team C steps in. Without work taking place in a parallel manner, everything takes longer. It’s all hurry up and wait.

Communication within the data center suffers from the same manual drags. In the typical data center, a great deal of communication takes place via email threads, whiteboards, and yellow sticky notes left on desktop displays and data center devices. And too often, infrastructure management involves custom scripting and lengthy integration projects to make disparate tools talk to each other.

Clearly, there has to be a better way to manage infrastructure.

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Here’s what needs to change

To overcome today’s IT management gap, your organization needs a fresh approach to infrastructure management. There are three key requirements for this new approach to IT management.

1. A consumer-inspired user experience
To understand why and how infrastructure management interfaces need to change, look no further than your smartphone and its simple, intuitive user interface that works in tandem with user-friendly apps to take the complexity out of tasks. Whether you’re tracking current news stories, connecting with groups of people, or searching through millions of web pages, it’s all easy. You hardly have to think about the task at hand. If the management interface works just like the user interfaces in the consumer world, there’s no steep learning curve. Everybody gets it.

2. A software-defined architecture
A software-defined approach to IT infrastructure management shifts your organization from manual processes to template-driven automated processes that reduce the cost and time required to deliver IT services. Template-driven processes also drive consistency and accuracy in the way tasks are carried out—time after time. With the right tools in place, junior staff can execute like senior experts.

3. An open, extensible platform
In today’s data centers, IT professionals spend too much time wrestling with the complexities of integrating and customizing management tools to the way the enterprise works. To move beyond this drain on resources, you need modern ways to integrate and customize your tools—using open platforms and RESTful APIs.

These three requirements create the foundation for a management environment that is poised to meet the challenges of a new era in IT.

Now here’s the best part: This isn’t a vision for the future. This is the way it is today with HP OneView—a fresh take on infrastructure management.
A fresh take on infrastructure management

HP OneView helps you close the IT gap by bringing the best of the consumer world to your enterprise.
Apply consumer principles to IT management

HP OneView is not simply another management tool. It is the industry’s first consumerized infrastructure management platform, offering a modern and integrated workspace. Your IT teams can use this collaborative workspace to communicate efficiently, to accelerate the execution of tasks, and to capture processes, configurations, and best practices in software templates.

By shifting the focus from “how devices run” to “how people work,” HP OneView delivers unprecedented ease of use—so you can deploy and manage infrastructure faster, at a lower cost, and at virtually any scale.

66% of I&O execs are concerned about the pressure to lower IT operational costs.5

70% of the annual IT budget is allocated to maintaining and operating the organization, systems, and equipment (MOOSE)—or the status quo.5

5 Forrester: “Reinvent The Role Of Infrastructure And Operations Executive In 2013.” By John Rakowski, April 18, 2013.
Figure 2. Bridging the IT gap with HP OneView to enter a new era in infrastructure management

Bring it all together: admins, equipment, and processes

Just as Facebook facilitates personal connections by bringing together friends, family, and life events, and just as eBay accelerates commerce by bringing together buyers and sellers, HP OneView brings together your administrators, equipment, and processes to meet the three requirements for a new era of IT management.

1. A consumer-inspired user experience

HP OneView replaces obsolete management user interfaces, models, and methods with a user experience driven by the way people expect to work in today’s world. HP OneView was built from the ground up to enable easy collaboration among IT administrators and to increase productivity on day-to-day tasks, like system monitoring, troubleshooting, and updates. The platform is built for scale, so can achieve the same level of productivity no matter how big your environment grows.

2. A software-defined architecture

HP OneView is based on a software-defined architecture that enables your organization to move away from manual tasks and costly errors and into a world of rapid, repeatable operations. You can deploy resources at the push of a button—repeatedly, reliably, throughout the lifecycle. With a software-defined approach, a junior operator can execute like a senior engineer, even in the middle of the night.

3. An open, extensible platform

HP OneView provides an open development platform backed by an active community of developers and published RESTful APIs. This RESTful technology, widely used in web development, makes it simple to customize your management platform and integrate it with other tools, both inside and outside your data center.

Ultimately, the capabilities of HP OneView don’t just improve the lives of your IT administrators. They go beyond that to enable your IT organization to deliver business value faster, at a lower cost, and with greater consistency and reliability.
Gain a clear view of your world

What would your world look like through the HP OneView window? Here’s a glimpse of this fresh take on infrastructure management.

**HP Dashboard**

**Know more:** The Dashboard feature in HP OneView provides one-click monitoring of the status of every device in your data center, in one screen. No matter the size of your data center, you can monitor the essential status of every device in your environment and explore deeper from there as needed. And you can forget about the information overload that is common in existing management tools. The Dashboard helps you see just what you need to see.

**HP Smart Search**

**Find it:** You don’t search the web with tree-and-branch navigation, so why should you use that for your infrastructure? This earlier-generation approach to navigation doesn’t scale—it can’t help you quickly pinpoint a particular issue within a data center with thousands of devices. In a demo environment, the tree-and-branch view might look OK because you’re managing a small amount of infrastructure. But in enterprise data center, tree-and-branch quickly shows its limitations—it’s slow and obtrusive at scale.

The Smart Search feature in HP OneView moves you beyond the limitations of tree-and-branch navigation. It finds exactly what you are looking for and brings it to your fingertips instantly. As the primary navigation tool, Smart Search is used pervasively in HP OneView, so you’re always moments away from finding that illusive IT needle in the data center haystack.
**HP Map View**

**Visualize:** In the age of MapQuest and Google™ Maps, we are all used to context-sensitive driving maps—paper maps are now a thing of the past. HP OneView brings this concept to your IT driver’s seat. It provides context-sensitive maps of your infrastructure, instantly showing the health and relationship of any of the devices plugged into your infrastructure. This view can help you accelerate troubleshooting. Different experts can simultaneously look at the same view to quickly pinpoint the location of problems and identify the affected devices.

**HP Activity View**

**Inform:** Modern newsfeeds are customized to show you what you want to see, bringing together important information from multiple sources. That’s the way it is with the Activity View feature. It brings together the activities an administrator manages, so everything is there in one place. While making it easier to execute tasks and track their progress over time, Activity View highlights information that is most relevant—to help separate the important messages from the background noise.
Software-defined templates

**Speed delivery:** When you order consumer goods online—anything from a pizza to a printer cartridge—a smart website remembers your choices so you can quickly order the same on your next visit. With software-defined templates based on your IT work practices, your administrators can provision new infrastructure or servers with this sort of simplicity. This makes your processes fast, repeatable, and precise—every time.

A RESTful interface

**Extend:** A uniform RESTful API interface allows you to extend and automate your HP OneView environment with a uniform set of APIs and a uniform data model, simplifying the development of new scripts. Because the user interface is built on top of the APIs, anything you can do with the user interface you can automate through the APIs. HP offers a published list of calls/commands for integration with OpenStack®, VMware®, Microsoft®, and your own homegrown or third-party applications and workflows.

**Take a tour of HP OneView**
See demos of how HP OneView works to make you more productive and frees you to invent instead of maintain.

**Watch HP OneView demos**
Realize quantifiable HP BladeSystem savings

How could HP OneView help you? Consider these gains for your HP BladeSystem environment.

- **66X** faster to build and deploy infrastructure⁶
- **4 vs. 480** steps to troubleshoot a network⁷
- **24X** faster to change network configurations⁸

**Accelerating a blade deployment with HP OneView**

How much time could you save with HP OneView? An early adopter deployed 10 racks of blade servers to support an environment with 30,000 developer desktop seats. Compared to traditional approaches to infrastructure deployment, HP OneView saved 17 weeks of time and greatly reduced project costs, manual efforts, and the potential for errors.

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⁶ Results achieved by an HP beta customer, August 2013
⁷ HP internal testing of HP OneView vs. Cisco UCS, September 2013
⁸ HP internal testing of HP OneView vs manual operations, September 2013
Imagine your data center with HP OneView

With HP OneView, you can:
• Replace tool sprawl with a modern, collaborative workspace that operates with all the simplicity of intuitive, user-friendly consumer interfaces
• Replace manual operations with automated configuration and management to accelerate your IT operations
• Replace outdated, inflexible tools with a programmable platform that scales and grows with your enterprise
• Gain the confidence that comes with knowing you have management simplicity at any scale

Why HP?

Leadership
HP has a consistent track record of redefining the server market to meet the next wave of computing requirements. A case in point: In 2009, we broke new ground with the announcement of our converged infrastructure strategy. Since then, all of our data center competitors have followed our lead.

HP is the clear market leader in blade servers. To date, we have shipped 3 million HP ProLiant server blades, more than 8 million HP Virtual Connect ports, and more than 8 million HP Insight Management licenses. We have 1000 HP CloudSystem customers.

HP was the first to market with software-defined servers, storage systems, and networking. Today, HP is the only company that has the needed IP across all three of the key technology areas—servers, storage, and networking—to extend the software-defined vision across the entire data center.

Get the product details
Learn more about what HP OneView delivers and supports today for your HP BladeSystem and ProLiant environment. Download a 60-day free trial to experience it for yourself.

Dive into HP OneView.
**Vision**

HP OneView was born from a belief that we need to fundamentally rethink how infrastructure management should work, and that we should take direction from the way technology works in our day-to-day lives.

Guided by this point of view, we worked closely with more than 150 data center operators in 30 real-world data centers to understand the most common infrastructure management tasks, processes, and steps and identify the ways in which the user experience for those functions could be improved and simplified.

Along the way, we drew inspiration and insight from social and consumer-style applications that mask backend complexity to deliver a simplified, streamlined user experience. In terms of easy access to information and simplified human interactions, the consumer world has clearly changed for the better. IT can now do the same.

The result of this quest was **HP OneView**—the industry’s first consumerized management platform for IT.

**Experience the HP OneView difference**

Watch the full story of how HP developers applied lessons from the consumer world to the data center to create a fresh take on HP Converged Infrastructure management.

**See HP OneView now.**
Get the product details
Learn more about what HP OneView delivers and supports today for your HP BladeSystem and ProLiant environment. Download a 60-day free trial to experience it for yourself.

Dive into HP OneView.

Close the IT gap. Deliver business value faster, at a lower cost, and with greater consistency.