

Data sheet

HP Data Center Automation Appliance



Data center operations made easy



HP Data Center Automation Appliance software is an industry-leading, full server lifecycle management and IT Process automation virtual appliance solution. It's built for small to midsize data centers to support the entire IT environment including physical, virtual and cloud-based servers.

Managing organizational groups with competing priorities, running IT as a service and moving to the cloud are enough to keep any IT department busy. But it's almost impossible for IT to keep up with the demands of the business when mounting pressure to deliver new applications faster and unexpected requests are added to the mix.

Manual processes are time consuming, error-prone and unsustainable and complex server environments further complicate the landscape. This leaves System Administrators with little time to tend to critical server tasks and perform change management processes such as server provisioning, remediation, upgrades and server patching.

Server operations must be automated to help IT meet demands and improve speed of service. The average data center can have more than 100 changes per month—this constant stream of changes can result in unintended consequences, creating a huge increase in IT incidents and lower quality of services.

For these reasons, data centers are increasingly relying on the HP Data Center Automation Appliance. It's the unified, customizable server management appliance for managing IT operations running in heterogeneous environments.

Fusion of Server Lifecycle Management and IT Process Automation

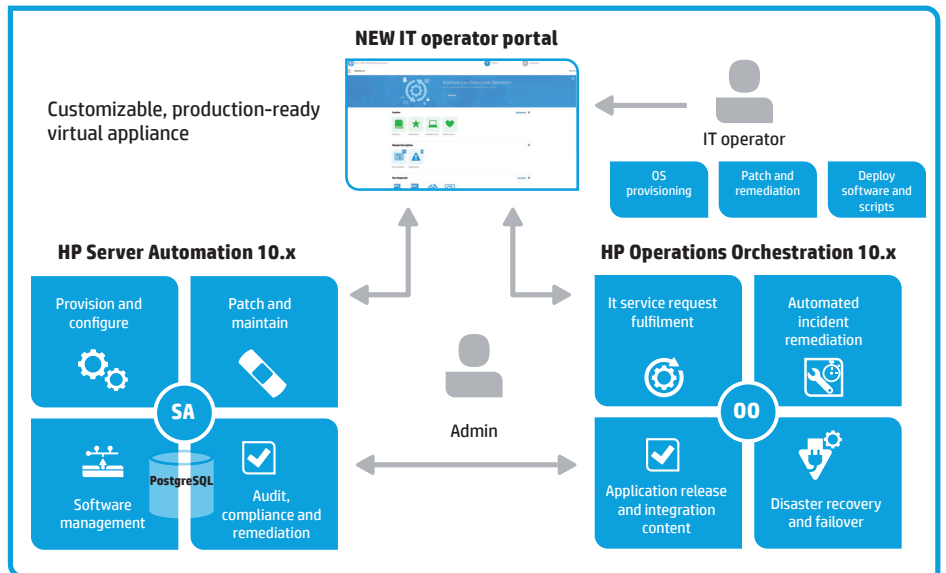
HP Data Center Automation Appliance (DCAA) brings together HP Server Automation (SA) and HP Operations Orchestration (OO) technology in a single, unified solution for small to midsized businesses. It enables seamless server management of heterogeneous IT operations across physical, virtual and cloud-based servers.

IT Operations	Automated End to End Provisioning and Patch Management
IT Operations	Automated OS Migration
IT Operations	Automated Compliance Management
IT Operations	Automated Software Deployment
IT Operations	Automated Virtualization Management
IT Operations	Automated Change Management
IT Operations	Automated Incident Remediation
IT Operations	Automated Disaster Recovery
IT Operations	Standard Operating Procedures (Day to day IT tasks)
LOB IT	Infrastructure as a Service
LOB IT	Automated IT Server Operations
LOB IT	Automated Dev/Test Server Operations

Figure 1. Common HP DCAA usage scenarios being implemented by customers

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Data Center Operations made easy!



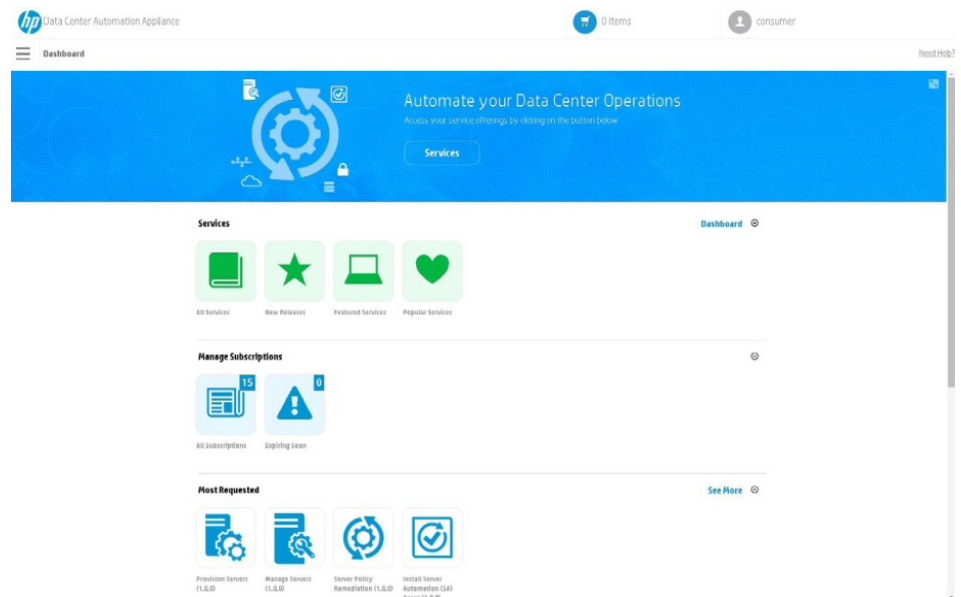
Process-Powered Change Management

Process-powered change management combines HP Server Automation (SA) and HP Operations Orchestration (OO) to give IT Administrators greater control over change—unique IT domain experience is not required. It's a progressive approach that enables the entire IT team to automate, manage and deploy tasks quickly while eliminating error-prone manual processes across diverse teams, tools, and environments.

As the IT environment becomes more complex, comprehensive server automation and orchestration are necessary to ensure successful deployment. The powerful combination of HP SA and HP OO delivered in HP DCAA can reduce costs, improve deployment time, manage scale from as little as fifty servers to many thousands of servers, improve consistency and increase reliability across single or multiple data centers.

IT Operations Made Easy

Server management tasks ranging from migrating to the latest operating system, to securing the IT environment from exploits and vulnerabilities can be completed with just a few clicks. Pre-defined policies simplify day-to-day operations and give the business a competitive edge in the market. A simple, self-service UI accessed from the IT Operator persona portal provides pre-defined policies and out-of-the box use cases for provisioning, patch management, software deployment, and compliance management to simplify day-to-day operations.



Key HP SA Capabilities

Migrate to the latest Operating Systems (OS)

Once legacy systems reach end of life (EOL) and become unsupported, Administrators can migrate to the latest version with confidence and ease.

- Utilize SA Policies to provision the new OS and software.
- Leverage the power of HP SA to perform a system audit. Create a “snapshot” of the data from the legacy OS to transfer to the new OS.
- Know that patches will be updated on schedule, automatically and completely, across the enterprise.

Secure your environment from Top Exploits and Vulnerabilities

- Patch or secure open server and application vulnerabilities using SA Patch Policies.
- Secure, protect & maintain servers by addressing CVE Exploits.
- Ensure OS platform components are updated on schedule and completely across enterprise.

Key HP OO Capabilities

Develop automated workflows faster in a standalone integrated development environment (IDE)

- Author flows from anywhere—connection to an HP OO server is not required
- Leverage a standard development process across multiple authors.
- Support hundreds of authors across regions, lines of business, levels of expertise and geographies to create re-usable server automation flows.

Save time with easy-to-use flow generation wizards

- Automate flow authoring with the intuitive PowerShell Wizard.
- Integrate enterprise applications seamlessly and efficiently using the Web Services Wizard.
- Translate Swagger™ APIs to OO operations and flows with the REST Wizard.
- Interact with non-Swagger™ RESTful services using REST APIs from the HTTP client library.

Debug flows remotely

- Reduce risks and guesswork associated with debugging flows using remote debugging features.
- Enable faster deployment of process automations.
- Simplify the debugging process further by leveraging intuitive dashboards and filters.

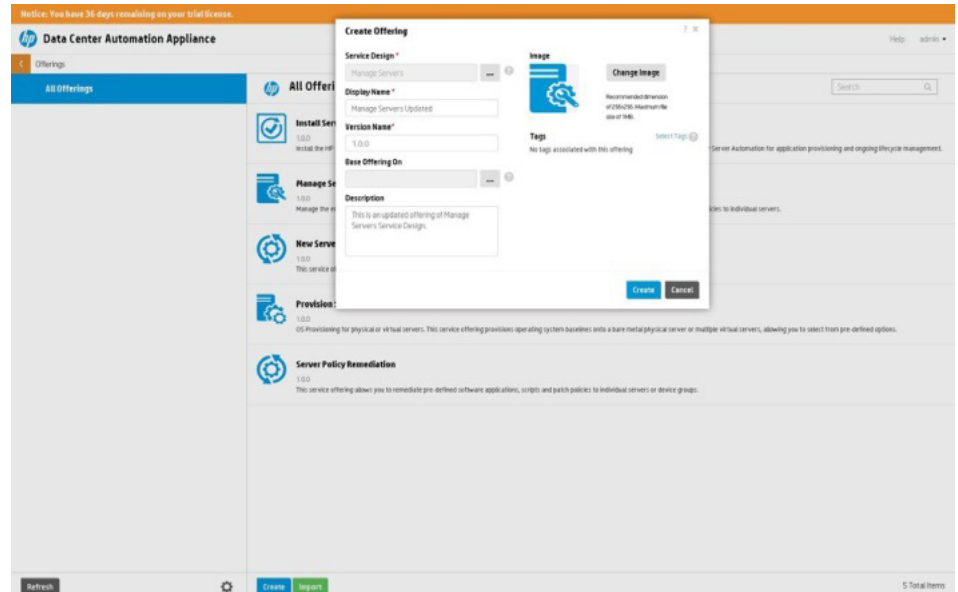
HP DCAA

- Enables IT to standardize, consolidate and automate operations using standard operating procedures (SOP)
- Is supported by Windows, Linux and Solaris platforms
- Provides structure for heterogeneous environments
- Is ideal for small and midsize businesses

Fast Set-up and Quick Time to Value

HP DCCA is easy to acquire and deploy. An automated first time setup process and an enhanced intuitive user experience deliver a quick time to value. From auditing servers to deploying zero day patches on physical or virtual servers, IT can start to realize benefits from HP DCCA in a matter of hours.

It's a secure, customizable server management appliance that promotes partner value-add opportunities and more control to the customer at a fraction of the cost of enterprise solutions.

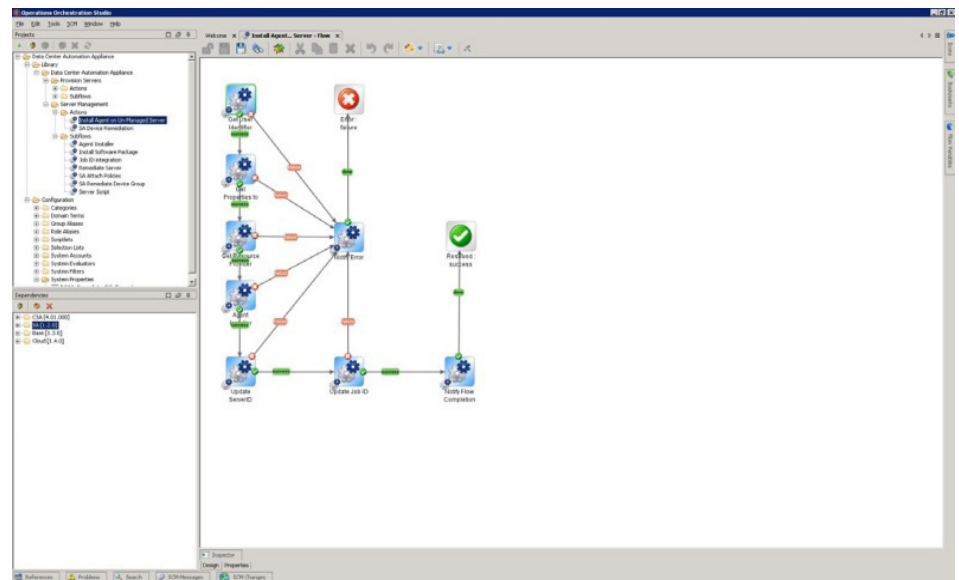


Frontline Defense Controls

With the growing popularity of hybrid ecosystems, where organizations mix in the cloud and many third party services and connections, a jump box starts to become harder to implement and significantly less effective. But built-in global shell functionality from HP SA controls access to servers while enabling IT to query data and perform virtual server management tasks using any scripting or programming language.

Get Started Quickly with Out-of-the-Box Content

HP DCAA includes hundreds of out-of-the-box operations, flows and integration adapters from HP OO, providing tremendous flexibility to support many different platforms and management products without major modifications or reprogramming.



Content included:

- Operating Systems—Windows, Redhat/SUSE, Solaris, FreeBSD—Filesystem/Memory Diagnostics, Service Status, Service Restart, Start/kill process, Server Reboot, Clean Logs, Delete Files, Health Check
- Application Servers—Oracle WebLogic, Citrix Presentation Server, JBoss, Tomcat, IBM WebSphere—Check Application List, Get Application State, Query Server Configuration, Start/Stop Server, Deploy/Start/Stop Application, Add/Remove User, Run Garbage Collection
- Virtualization—VMware Server, VMware Virtual Infrastructure, Microsoft Hyper-V, Citrix XenServer, Citrix Presentation Server—Create/Start/Stop VMs, Migrate (Hot/Cold) VMs, Snapshot VMs, Get VM info, Reboot/Shutdown Guest, Virtual Network operations
- Service Desk—HP Service Desk, HP Service Manager, BMC Remedy, HP Peregrine Service Center, CA Service Desk—Open incident/change ticket, Update incident/change ticket, Close incident/change ticket, Kick off OO flow from ticketing tool
- Monitoring—HP OpenView Operations, HP Operations Manager, HP Network Node Manager, BMC Patrol, IBM Netcool, CA Network and Systems Management, IBM Tivoli, MOM, SCOM—Own alert, Acknowledge alert, Close alert, Create alert, Update Priority, Enumerate alerts
- Change and Configure—HP Server Automation, HP Network Automation, HP Client Automation, HP Storage Essentials, Microsoft SCCM, Symantec Altiris, SAP—Provision server, Remediate server, Attach server to policy, Add patch to policy, Approve blocked job/task, Start VM create, Provision storage to host

Table 1. Data Center Automation Capabilities

Capability	Data Center Automation Appliance Express	Data Center Automation Appliance Premium
Core	Single core only with new IT Operator UI	Single core only with new IT Operator UI
Form factor	Open Virtual appliance (ESXi only)	Open Virtual appliance (ESXi only)
Database support	PostgreSQL (embedded)	PostgreSQL (embedded)
Scale	Up to 750 supported	Up to 3000 supported
Managed platform	Windows & Linux	Windows & Linux, Solaris (x64)
OO Content	OOCE Content, Base, Incident Remediation, Service Request Fulfilment, Operating Systems, Server Automation, HP Solutions	OOCE Content, Base, Incident Remediation, Service Request Fulfilment, Operating Systems, Server Automation, HP Solutions, Business Applications, IT Operations, Virtualization
Satellite support	Yes	Yes
Integrations	SA, OO, CSA, HPLN (for content)	SA, OO, CSA, HPLN (for content)
OS provisioning	OSBP only (HP + non-HP)	OSBP only (HP + non-HP)
Patching	Windows, Linux	Windows, Linux, Solaris
Compliance	Internal standards no HPLN content	Windows, Linux, Solaris, Security & Compliance via HPLN
Recovery Management	via Appliance framework	via Appliance framework
Localization	Simplified Chinese, Japanese	Simplified Chinese, Japanese

HP Data Center Automation Appliance Benefits

HP Data Center Automation provides many key benefits including:

- Provides fast time to value: Brings instant time to value for small to medium deployments
- Requires lower initial investment: The open source database reduces costs, and no service engagement is required.
- Reduces operational expenditures: Improves server to admin ratios in excess of 500:1 while reducing risks caused by manual misconfigurations by automating repetitive tasks.
- Enables comprehensive management: Private, public and traditional IT servers and tasks are managed within a comprehensive, unified, enterprise-grade environment.
- Improves service quality: Automated event and incident triage, diagnosis and resolution reduce escalations and mean time to repair (MTTR).
- Provides a unified view: A single solution manages physical and virtual servers while utilizing best practices for process automation.
- Improves process adoption: The standardization of tools and processes align with the needs of the business.
- Enables access control: Persona or role-based access control works with existing processes and preserves organizational boundaries.
- Improves efficiency: Automated change management and daily tasks across silos and systems reduce complexity and risks associated with manual processes.
- Increases business agility: Reduced infrastructure deployment time and reduced provisioning time of end-to-end business services enable IT to react more quickly to changing business needs.

HP Software

Get the most from your server automation software investment. We know that your support challenges may vary according to the size and business-critical needs of your organization.

HP provides technical software support services that address all aspects of your software lifecycle. This gives you the flexibility of choosing the appropriate support level to meet your specific IT and business needs. Use cost-effective HP software support to free up IT resources, so you can focus on other business priorities and innovation.

HP Software Support Services gives you:

- One stop for all your software and hardware services saving you time with one call 24x7, 365 days a year
- Fast answers giving you technical expertise and remote tools to access fast answers, reactive problem resolution, and proactive problem prevention
- Consistent service experience providing global **technical experience locally**

Go to hp.com/services/software-support.

For more information

HP Data Center Automation Appliance is a unified, customizable, virtual appliance for small to medium businesses managing IT operations running in heterogeneous environments. Visit hp.com/go/dcaa

HP Server Automation Ultimate datasheet: hp.com/h20195/V2/GetPDF.aspx/4AA4-6406ENW.pdf

HP Operations Orchestration datasheet: hp.com/h20195/V2/GetPDF.aspx/4AA1-5782ENW.pdf

HP Software Communities: hp.com/go/sw/community/home

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