



Hewlett Packard Enterprise

Data Center Automation Suite Premium Edition

At a Glance

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Introduction

The Data Center Automation (DCA) Suite Premium 2016.01 edition is a complete automation solution for standardizing and automating routine data center operations. The DCA Suite Premium 2016.01 edition provides tools that automate critical areas of your data center's server management, business service compliance, and IT processes, including provisioning, configuration, compliance, patching, and release management for databases and applications services.

DCA Suite Premium 2016.01

The DCA Suite Premium 2016.01 edition is a virtual appliance solution used to manage infrastructure lifecycle management and compliance for IT. The DCA Suite Premium 2016.01 edition includes a pre-integrated version of Server Automation (SA), Operations Orchestration (OO), and IT Operations Compliance (ITOC). Database and Middleware Automation (DMA) is provided as a media download that can be imported into the Operations Orchestration (OO) component in the appliance. It is recommended that you install Network Automation (NA) Premium on a separate server.

The DCA Suite Premium 2016.01 edition enables you to automate data center management activities including:

- Day 1 server discovery, provisioning, and configuration and virtualization management
- Day 2 software, database and middleware management, patching, audit, compliance and remediation, and infrastructure lifecycle actions across your data center

You can leverage and customize the sample out-of-the-box DCA Operations Portal automated services for day 1 and day 2 management activities, create your own and can also tap into the rich capabilities of SA, OO, ITOC, DMA, and NA for more complex management use cases.

Component products

Following is the list of key component products and versions in the DCA Suite Premium 2016.01 edition:

Product	Version
DCA Operations Portal for DCA virtual appliance	2016.01
Server Automation	10.21
Operations Orchestration	10.22.0001
IT Operations Compliance	1.1
Database and Middleware Automation Premium	10.40
Network Automation	10.10

Note: To find the latest patches, go to <https://softwaresupport.hpe.com/> select **Dashboards** → **Patches** and then search for your product and version.

Getting started with DCA Suite Premium 2016.01

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Release Notes	go
Support and Compatibility Matrix	go
User Guide	go
Installation and Administration Guide	go
Content on HPE Live Network	go

Server Automation

Server Automation (SA) is a data center automation software that centralizes and streamlines many data center functions and automates critical areas of your data center's server management including the following:

- Server discovery
- Operating system provisioning
- Operating system patching
- Software provisioning
- Audit and compliance
- Application configuration
- Application deployment
- Software compliance
- Reporting

You can also manage your heterogeneous virtual environment including Virtualization Services (VSs), virtual machines (VMs) and VM templates. You can provision, patch, configure, and audit all of your virtual machines the same way that you manage your physical servers. SA enables you to make changes more safely and consistently because you can model and validate changes before you commit them to a managed server. SA provides methods to ensure that modifications you plan for your managed servers work because they have been tested before being applied, thereby reducing downtime.

Getting started with Server Automation

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Operations Orchestration

Operations Orchestration (OO) is the industry-leading solution for IT process automation and runbook automation.

OO is a system for creating and using actions in structured sequences (called flows) which maintain, troubleshoot, repair, and provision your Information Technology (IT) resources by performing the following actions:

- Checking the health, diagnosing, and repairing, networks, servers, services, software applications, and individual workstations.
- Deploying applications, patching, and maintaining them by checking client, server, and virtual machines for required software and updates, and, if needed, performing the necessary installations, updates, and distributions.
- Performing repetitive tasks, such as checking status on internal or external web site pages.

Getting started with Operations Orchestration

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IT Operations Compliance

IT Operations Compliance (ITOC) allows IT Operations users to track business service compliance against corporate and regulatory policies, making their environment compliant and therefore secure.

With ITOC, you can:

- Scan compliance of business services against policies in a repeatable and reliable manner
- Remediate non-compliance
- Provide an overall view of compliance status across policies and business services
- Track exceptions of resources to requirements in the Statement of Applicability (SoA)
- Track the life cycle and revisions of policies, business services, controls, and SoAs

Getting started with IT Operations Compliance

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Database and Middleware Automation Premium

Database and Middleware Automation Premium (DMA) software automates administrative tasks like provisioning and configuration, compliance, patching, and release management for databases and application servers. When performed manually, these day-to-day operations are error-prone, time consuming, and difficult to scale.

DMA automates these administration tasks that take up 60-70% of a database or application server administrator's day. Automating these tasks enables greater efficiency and faster change delivery with higher quality and better predictability. DMA provides role-based access to automation content. This enables you to better utilize resources at every level:

- End users can deliver routine, yet complex, DBA and middleware tasks.
- Operators can execute expert level tasks across multiple servers including provisioning, patching, configuration, and compliance checking.
- Subject matter experts can define, enforce, and audit full stack automation across network, storage, server, database, and middleware.

A DMA workflow performs a specific automated task—such as provisioning databases or application servers, patching databases or application servers, or checking a database or application server for compliance with a specific standard. You specify environment-specific information that the workflow requires by configuring DMA parameters. Related DMA workflows are grouped together in solution packs.

Getting started with Database and Middleware Automation Premium

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Network Automation

Network Automation (NA) provides an enterprise class solution that tracks and regulates configuration and software changes across routers, switches, firewalls, load balancers, and wireless access points. NA provides visibility into network changes, enabling an IT staff to identify and correct trends that could lead to problems, while mitigating compliance issues, security hazards, and disaster recovery risks. NA also captures full audit trail information about each device change.

Network engineers can use NA to pinpoint the following:

- Which device configuration changed
- What exactly was changed in the configuration
- Who made the change
- Why the change was made

In addition, NA can enforce security and regulatory policies at the network level by making sure that configurations comply with pre-defined standards. The result is a resilient and maintainable network that is compliant with standards and regulations.

NA supports an array of devices from leading vendors, including Hewlett Packard Enterprise, Cisco, Nortel, F5 Networks, and Extreme, to provide insights into your network change process. NA's scalable architecture enables you to incorporate the best devices from the best vendors, and support all your devices using one tool.

Getting started with Network Automation

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Component product integration matrix

	SA 10.21	OO 10.22	ITOC 1.1	DMA 10.40	NA 10.10
SA 10.21				–	
OO 10.22			–		
ITOC 1.1		–		–	–
DMA 10.40	–		–		–
NA 10.10			–	–	

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Documentation updates

The title page of this document contains the following identifying information:

- Software Version number, which indicates the software version.
- Document Release Date, which changes each time the document is updated.
- Software Release Date, which indicates the release date of this version of the software.

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