Hewlett Packard Enterprise

Modern, flexible, unified

HPE Data Center Automation Suite

At a glance

HPE Data Center Automation (DCA) Suite is a unified, analytics-driven infrastructure management solution that automates tasks, orchestrates IT processes, enforces security and compliance, and optimizes infrastructure utilization. It reduces cost of IT operations and accelerates risk-free infrastructure service delivery.

The challenge

In the face of ever-increasing, faster service requests, IT struggles to scale and meet business needs—as it grapples with a proliferation of tools and processes, intensifying regulatory compliance demands, and sprawling infrastructure. The consequences: increasing cost of IT operations, high-stakes audit and security exposure, and slow, inconsistent infrastructure service delivery.

The solution: HPE DCA Suite

HPE DCA provides lifecycle management across heterogeneous virtual and physical servers, database, and middleware applications in the most diverse IT environments including provisioning, patching, compliance audit, and remediation. An extensible orchestration engine standardizes operations, while near real-time analytics optimizes capacity and performance. With a modern microservices architecture and container-based deployment, it scales on-demand.
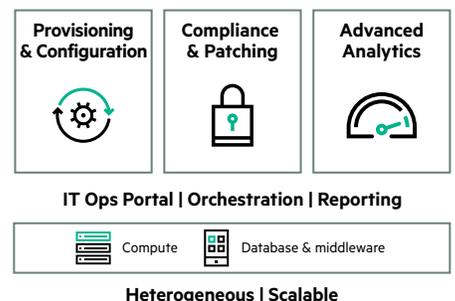

Figure 1. HPE DCA Suite framework

Key capabilities

- Automate manual, repetitive tasks for provisioning and patching
- Integrate data center processes with open API orchestration engine
- Integrate and automate compliance audit across the data center
- Remediate automatically for noncompliance
- Manage VM sprawl by reclaiming wastage
- Forecast capacity needs
- Access high-value, out-of-the-box content

Time-to-value with flexible, container-based deployment

Realize quick time to value with fast install, upgrade, and scale-out

- Install in minutes
- Upgrade with minimum downtime
- Scale on-demand

Key outcome

Deliver infrastructure services at the right cost, at the right time, with the right level of compliance.

HPE DCA empowers IT with multiple capabilities:

- **Flexible, unit-based licensing**—Consumption of any combination of compute, database, and middleware lifecycle automation capabilities

- **Provisioning and configuration across heterogeneous infrastructure at scale**— Policy-based deployments with a broad selection of out-of-the-box OS build plans and runbook workflows, without platform or scale restrictions

- **Integrated compliance**—Policy-based patch management, automated compliance audit, reporting, and closed-loop remediation across server, database, and middleware applications

- **Near real-time capacity and performance optimization analytics**—Usage views, waste reclamation suggestions, forecast reports, and placement functionality to right-size virtual machines (VMs)

- **Built-in orchestration engine to connect processes across infrastructure lifecycle**—Thousands of out-of-the-box workflows to create powerful and repeatable deployments for heterogeneous provisioning, patching, and compliance

- **ChatOps**—Conversation-driven collaboration across the data center, connecting people, tools, and processes; quickly respond to and solve issues in an automated, transparent, and trackable way

The HPE DCA difference

- **Flexible, enterprise-grade scalability**— Proven scalability across more than 100,000 servers; container-based deployment for quick time to install, upgrade, and scale

- **Automated compliance remediation**— Compliance levels restored automatically with closed-loop service-level objective (SLO) enforcement, with access to out-of-the-box compliance policies (for example, PCI, CIS, SOX, HIPAA, FISMA) and remediation actions

- **Open and extensible orchestration engine**—Open API and seamless integration with third-party tools and open source content—invoke from any place, integrate with anything

- **Complete lifecycle automation for databases and middleware**—Provisioning, configuration, patching, updates, code release, and upgrades for any scale or complex configuration, with out-of-the-box workflow content

- **True heterogeneity and multivendor integration**—Broad technology coverage across multiple OS and application vendors

The benefits

HPE DCA reduces cost of IT operations and accelerates risk-free infrastructure services. Manual, disparate processes? Automated. Compliance exposure? Remediated. Infrastructure sprawl? Optimized. Ability to scale? It's here, on-demand with container-based deployment.

HPE Data Center Automation Suite, with a journey in mind

Take the path to the digital enterprise—Modern, flexible, unified; automated, compliant, optimized

Learn more at
hpe.com/software/dca

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