



# **HPE Cloud Orchestration Suite**

Accelerate hybrid IT services and deliver what the business needs when it needs it



HPE Cloud Orchestration Suite provides full stack management in hybrid cloud environments. The solution enables self-service delivery of secure, compliant business services, simplified operations, and comprehensive end-to-end hybrid cloud management.

## **Integrated: Plan, build, deploy, and run automation for IT—across apps and infrastructure**

The HPE Cloud Orchestration Suite provides enterprise-grade IT management and cloud service delivery across hybrid cloud environments. This enables IT to deliver services faster, improve responsiveness, and reduce costs.

The cloud management software solution automates the provisioning of infrastructure across hybrid environments. It also provides performance metrics and reporting on infrastructure and applications so IT can monitor them to consistently meet SLAs and implement equitable chargeback processes.

It improves the user experience across the entire service lifecycle for internal and brokered services. Service offerings are accessible via a single, self-service portal that is easy to use, and available via multiple devices, 24x7.

Implementing HPE Cloud Orchestration software enables enterprises to accelerate DevOps because it gives teams the infrastructure resources they need, when they need them. DevOps teams can quickly provision infrastructure and deploy applications in development, testing and staging environments and even push to production for continuous delivery.

In addition, HPE Cloud Orchestration Suite helps curtail “shadow IT” by streamlining IT service delivery and improving the quality and accessibility of IT services, which in turn helps reduce the security, compliance, and control problems created by shadow IT.

## Deliver what the business needs when it needs it with HPE Cloud Orchestration

Designed to deliver real business value, HPE Cloud Orchestration software automates IT operations tasks such as provisioning, patching, compliance auditing, monitoring, and remediation. It orchestrates complex cloud management processes and provides dashboards, reporting, and unified portal for self-service delivery of infrastructure and applications (see figure 1).

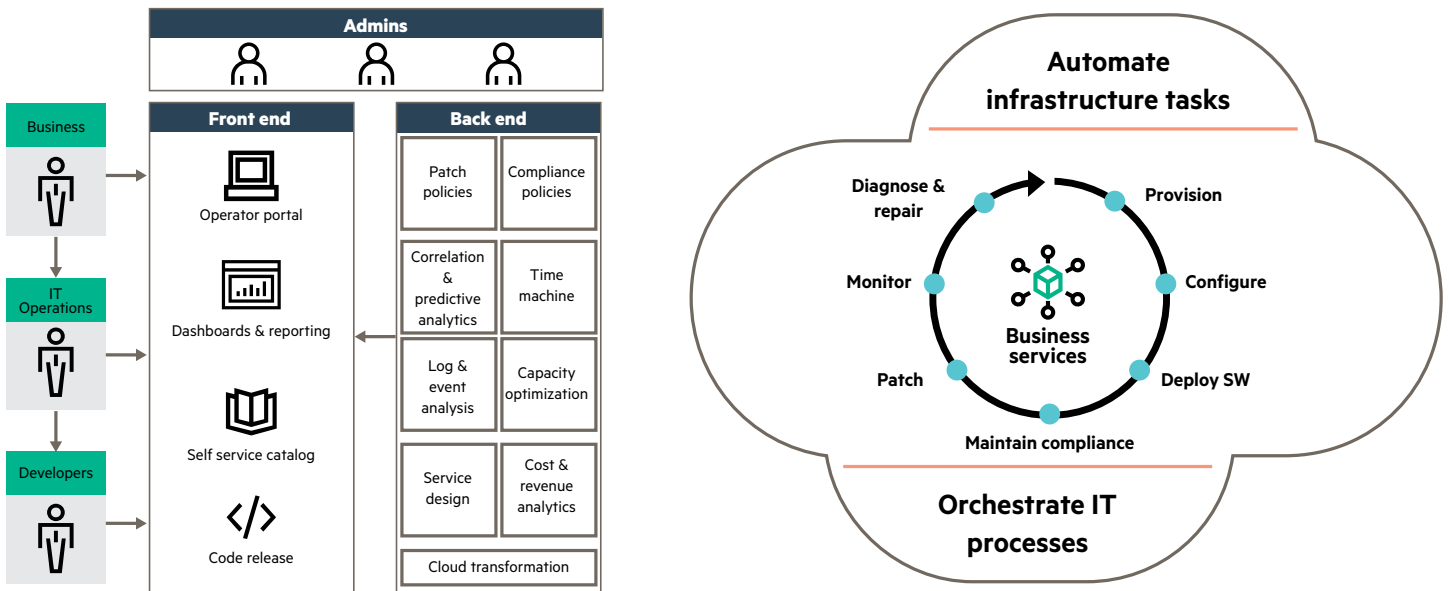


Figure 1. Automate infrastructure tasks and orchestrate IT processes

Through its integrated approach, HPE Cloud Orchestration helps development and testing teams by delivering the hybrid cloud services they need quickly and accurately while giving central IT the governance and control they need to enforce usage and cost policies.



### Accelerate time to market

Accelerate delivery of hybrid cloud services by reducing manual, error-prone tasks. Improve speed and responsiveness by orchestrating processes across domains, systems, and teams. Services that used to take days and weeks to deliver can now be available in hours or minutes.



### Improve efficiency and compliance

See productivity gains across IT silos by automating common tasks such as provisioning, patching, compliance auditing, monitoring, and remediating. Leverage a unified self-service portal to deliver secure, compliant services in hybrid IT environments. Maintain those services with advanced event correlation, log intelligence, and predictive analytics to identify anomalies and remediate issues before service is impaired.



### Increase investment in innovation

Allocate more budget and resources to innovation. Developers can spend more time writing code and less time configuring environments and troubleshooting deployment issues. QA teams can spend more time testing and less time trying to find and configure test environments. And IT teams can focus on innovation rather than troubleshooting.



### Faster change and problem resolution

Get to the root cause of issues and outages quickly to regain control over the sea of red. Unify log collection, analysis, and event correlation for better insight and faster triage. Get notified of anomalies and prevent problems before they occur with predictive analytics.

## HPE Cloud Orchestration: the complete package

HPE Cloud Orchestration is a comprehensive, fully integrated suite of products. With it, IT organizations can plan, build, deploy, and run services across application and infrastructure silos. It is available in two editions to address a broad spectrum of use cases.

### HPE Cloud Orchestration Suite—Express Edition components

Accelerate development and testing with IaaS in hybrid cloud environments.

- HPE Cloud Service Automation: Cloud management software
- HPE Cloud Optimizer: Capacity planning and VM performance
- HPE Enterprise Maps: Assess cloud-readiness
- HPE IT Business Analytics: Business reporting and showback
- HPE Operations Analytics Express: Consolidation and analysis of log data
- HPE Operations Orchestration: IT process automation and runbook software
- HPE Universal Configuration Management Database: Configuration management software

### HPE Cloud Orchestration Suite—Premium Edition components

Premium Edition includes all Express Edition components plus:

- HPE Data Center Automation Suite—Premium Edition
  - HPE Database and Middleware Automation Premium
  - HPE IT Operations Compliance Premium
  - HPE Network Automation Premium
  - HPE Operations Orchestration
  - HPE Server Automation Premium
- HPE Enterprise Maps: Cloud transformation
- HPE Operations Analytics Premium: Log data consolidation and analysis
- HPE Operations Bridge Premium: Operations/monitoring dashboard
- HPE Operations Bridge System Collector: Agents and agentless monitoring, etc.

## Use case comparison

USE CASE	EXPRESS EDITION	PREMIUM EDITION
<b>Accelerated development and testing with IaaS</b> <ul style="list-style-type: none"> <li>• Automated provisioning of hybrid infrastructure (IaaS) from self-service catalog</li> <li>• Service model design including infrastructure and application components</li> <li>• Orchestration engine with out-of-box workflows and operations</li> <li>• Capacity optimization</li> <li>• Basic monitoring and troubleshooting</li> <li>• Cloud showback and resource usage reporting</li> <li>• Open architecture and APIs; embraces open source</li> <li>• Multi-site and multi-tenancy support</li> <li>• Extensive support for providers: VMware®, AWS, OpenStack®, Chef, Puppet, and more</li> </ul>	Yes	Yes
<b>Provision and manage infrastructure and applications</b> <ul style="list-style-type: none"> <li>• Automated provisioning of hybrid IaaS with networking, platforms, and applications (PaaS) from self-service catalog</li> <li>• Provision database and middleware platforms using best-practice content</li> <li>• Comprehensive service monitoring</li> <li>• OS, database, and middleware patching</li> <li>• OS, database, and application migration</li> <li>• OS compliance auditing, remediating, and reporting</li> </ul>		Yes

## Use case comparison (continued)

USE CASE	EXPRESS EDITION	PREMIUM EDITION
<b>Cloud transformation</b> <ul style="list-style-type: none"> <li>Assess cloud readiness</li> <li>Migrate applications to cloud</li> </ul>	Assess only	Yes
<b>Optimization</b> <ul style="list-style-type: none"> <li>Best-fit placement (VMware)</li> <li>Right-size VMs (VMware)</li> <li>Capacity planning</li> </ul>	Yes	Yes
<b>Simple monitoring and troubleshooting</b> <ul style="list-style-type: none"> <li>View VM performance</li> <li>Search consolidated log data</li> </ul>	Yes	Yes
<b>Advanced monitoring and troubleshooting</b> <ul style="list-style-type: none"> <li>Full operations dashboard with cloud services represented in run-time service model</li> <li>Automated configuration of agentless and agent-based monitoring of infrastructure and applications per management templates</li> <li>Operations bridge event correlation and root cause analysis</li> <li>Consolidated log data on Big Data platform with analytics to rapidly identify and resolve issues</li> <li>Monitor databases, middleware, and applications</li> </ul>		Yes
<b>Simple reporting</b> <ul style="list-style-type: none"> <li>View showback and resource consumption reports to understand service costs and utilization in a hybrid environment</li> <li>Single pane of glass to view services, programs, and financial KPIs</li> </ul>	Yes	Yes
<b>Advanced reporting</b> <ul style="list-style-type: none"> <li>OS compliance reports</li> <li>Operations reports for service performance and availability</li> </ul>		Yes

### Accelerate hybrid cloud delivery

HPE Cloud Orchestration software is an end-to-end hybrid cloud management solution that offers the flexibility and simplified operations you need to increase speed and responsiveness in a heterogeneous, hybrid cloud environment. Automate mundane tasks and orchestrate processes across domains, systems, and teams. Create comprehensive service designs and leverage a unified self-service portal to provide what the business needs when it needs it.

Learn more at  
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[hpe.com/blog/cloud](https://hpe.com/blog/cloud)



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