

# IT Operations and Automation for Nutanix Private Cloud

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## NUTANIX PRIVATE CLOUD SOLUTIONS DELIVER:

### Infrastructure Optimization

Optimize utilization and cost, view utilization and growth at a glance, and do just-in-time forecasting for capacity expansion.

### Multi-Cloud Management

Expand to the cloud without sacrificing control, visibility, or functionality. Choose the best infrastructure for every application.

### Task Automation

Reduce complexity, eliminate operator error, and save valuable time. Reduce reliance on IT specialists.

### ITaaS

Deliver one-click access to IT resources, applications, and procedures while ensuring policy and security compliance

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## A COMPREHENSIVE APPROACH TO IT OPERATIONS AND AUTOMATION

Nutanix private cloud delivers intelligent IT operations and advanced automation to transform your operations, enable IT as a Service, and better support the needs of developers and business teams. Advanced machine learning, provides actionable insights into infrastructure and applications, simplifies operations, and facilitates self-service.

Enterprise IT operations must become more agile to meet the growing demands of digital transformation and global business. With most organizations devoting almost 80% of total IT spend to operational expenses, there is an urgent need to reduce IT complexity and elevate IT and development teams to deliver the applications and services that power modern business.

Simplifying infrastructure management across the entire lifecycle, automating operations, and delivering IT as a Service (ITaaS) is the only way to:

- Scale to address increasing demands
- Increase application availability
- Respond to emerging needs at the pace of business
- Deliver new applications and services quicker and with higher quality

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## A COMPREHENSIVE APPROACH TO IT AUTOMATION

As a leading provider of hyperconverged infrastructure (HCI) and cloud solutions, Nutanix is uniquely positioned to help your company succeed with:

- Intelligent IT operations. Deploy, operate, and scale infrastructure and application stacks with far less time and effort—both on premises and in the cloud.
- Advanced automation. Enable ITaaS to empower business and development teams. Rationalize DevOps integration across your operations.

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## INTELLIGENT IT OPERATIONS

Nutanix improves IT efficiency and reduces your team's reliance on IT specialists, reducing costs and freeing up time to focus on value-added tasks. Nutanix Enterprise Cloud streamlines IT activities across the infrastructure lifecycle. Intelligent, one-click operations take the pain and effort out of daily activities, including installs, upgrades, and workload placement.



**Infrastructure optimization.** Nutanix helps you identify and eliminate inefficiencies such as under-utilized resources, overprovisioned VMs, and other cost sinks. You gain instant visibility into utilization, growth rates, and other at-a-glance information needed for IT planning. Just-in-time forecasting simplifies capacity expansion to meet future workload needs.



**Multi-cloud management.** Nutanix cloud solutions allows you to extend datacenter operations into the cloud without losing control, visibility, or capabilities. And Nutanix provides data-driven insights that make it simpler to choose the right location and infrastructure for each application based on expected costs, operational policies, and SLAs.

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## ADVANCED AUTOMATION

Once you have reduced the complexity of managing your infrastructure stack, the next step is to increase levels of integration and automation. Nutanix improves the efficiency of your IT operations by adding meaningful automation, ITaaS, and integration with development pipelines.



**Flexible task automation.** Nutanix provides a code-free, visual approach to task automation, enabling any administrator to build, maintain, and troubleshoot automations in minutes. Turn even the most complex tasks into one-click operations.



**ITaaS with no loss of control.** Developers and business teams need self-service access to infrastructure and services to accelerate time to market. Empower end-users with one-click access to IT resources, applications, and common operations like snapshots—all from a single interface—eliminating complexity and roadblocks to productivity. Nutanix ensures that corporate policies and security baselines are maintained, no matter where or how users consume resources. The same interfaces apply on premises and in the cloud. IT service management (ITSM) integration lets you control your Nutanix environment from your preferred tools.



**Simplified CI/CD.** Nutanix eliminates the complexity of test and development automation, allowing developers and administrators to work more efficiently. Your team can more easily deploy and maintain a fully automated CI/CD pipeline with continuous application deployment across multiple on-premises and cloud locations.

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## COMPLETE IT OPERATIONS AND AUTOMATION FOR YOUR PRIVATE CLOUD

Adding IT operations and automation to your Nutanix private cloud solution brings the best of both worlds together. A private cloud built with the Nutanix HCI platform is fault resistant with no single points of failure and no bottlenecks. The system uses a shared-nothing architecture with data, metadata, and services distributed across all nodes within a cluster. Self-healing allows a cluster to detect, isolate, and recover from failures; survive system hardware, software, and hypervisor issues; and maintain data availability—all without operator intervention.

Combining the Nutanix platform with IT operation and automation capabilities delivers infrastructure and application automation. Removing overhead, accelerating IT service delivery while reducing time and costs by delivering IT-as-a-Service with agile operations. It allows end-users to realize faster time-to-value while supporting IT as the center of business innovation, cloud governance, and service delivery across any cloud. The Nutanix private cloud brings one click simplicity to almost every aspect of IT operation and enables self-service for cloud users while delivering the efficiency, flexibility, and agility your organization needs.



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