



Nutanix Cloud Platform for Oracle Database

Unlock the value of your data faster with Nutanix Cloud Platform

KEY HIGHLIGHTS

- Reduce costs and complexity by up to 62% by consolidating database operations¹
- Cut database operational costs by 87% by eliminating time spent on low-value database admin tasks²
- Improve database performance by up to 5x³
- Simplify management of the entire database and save up to 6X in storage costs²

Oracle is a market leader in enterprise class databases, providing a suite of relational database applications that help companies drive greater innovation to ensure competitive differentiation and operational efficiency. Many organizations rely on Oracle databases to drive their enterprise applications and to gain access to operational data to assist with business decisions and strategy.

To meet the demands for stakeholder access to this operational data, an Oracle database requires flexible and scalable systems that deliver timely data in response to their stakeholder's demands. In turn, an Oracle database administrator (DBA) needs database management solutions with automation functionality to help manage the database in a cost-effective and secure manner, with minimal downtime.

Organizations are rethinking traditional approaches for their supported Oracle databases and applications. The inflexible islands of computing created by siloed platforms based on bare metal RISC-based servers, are falling out of favor. Virtualized servers supporting private and hybrid clouds have become the norm as IT staff experience the benefits of these modern platforms for applications and databases.

START WITH THE RIGHT PLATFORM FOR YOUR DATABASE: NUTANIX CLOUD PLATFORM

Nutanix Cloud Platform is the perfect choice for your Oracle database deployments, whether you are upgrading existing infrastructure or deploying new Oracle databases. Our platform supports multiple hypervisors to virtualize Oracle database environments, including VMWare ESXi certified by Oracle.

Here are just a few examples of the value Nutanix customers can achieve when they implement our platform:

- **Lower TCO and operational cost** can lower TCO by up to 62%¹ as compared to other Oracle infrastructure virtualization solutions
- **Consolidate** Oracle databases on to a single, software defined platform built on hyperconverged infrastructure and improve IT staff efficiency by up to 58%¹.

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CUSTOMER HIGHLIGHTS

Nutanix Cloud Platform has supported Oracle databases for over ten years. Here are just a few examples of the value Nutanix Oracle customers have realized after deployments:

Nutanix Cloud Platform with Era helped reduce the average provisioning of a single database from two weeks to hours by removing bottlenecks and improved both database administrator (DBA) and developer productivity.²

“With Nutanix Era, we’re able to make a clone of the environment and attach the clone to another server, allowing us to create a data lab environment for developers. When we’ve finished with the end product, it was less than a terabyte of space. So huge savings, space-wise for the to the business.”
- Healthcare Industry DBA

Simpler database management reduced the need for DBA overtime by up to 50%. By automating database patching and management, it helped avoid losses from patching errors of \$35,000 per hour. The reduction of the downtime from 4 hours per patching event to 30 minutes avoided financial consequences for six patching events each year.²

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- **Flexible and scalable solutions** eliminate costly forklift upgrades and overprovisioning by simplifying and scaling database resources as needed – one node at a time or doubling the resources in minutes without downtime.
- **Leverage Nutanix Prism**, an easy-to-use control plane and interface to deliver seamless infrastructure management.
- **Add the AI-Driven Intelligence of Prism Pro** to optimize infrastructure operations with planning and forecasting capabilities.
- **Increase faster time to value. On average a Nutanix Cloud Platform is online** in less than 4 hours, ready to deliver the low-latency performance needed for virtualized Oracle database and application workloads.
- **Eliminate complexity** by leveraging storage controller VMs that run on each Nutanix node to form a single shared storage pool accessible by all VMs in the system. This reduces the complexity of managing separate storage systems with the burdensome tasks of zoning, provisioning, and managing VMs placement.
- **A Customer Minimized** unplanned downtime on operations by up to 85%.
- **Accelerate development cycles** by rapidly provisioning dev/ops their own copies of production databases and automate QA/testing using Nutanix Era.

IMPROVE ORACLE DATABASE HYBRID CLOUD OPERATIONS WITH NUTANIX ERA.

Imagine simplifying your Oracle database operations and seamlessly monitor processes across your private, hybrid, and public cloud deployments. Nutanix Era provides a centralized control plane that makes clouds invisible while simplifying common tasks and eliminating tedious and error prone manual operations, which can reduce costs and time in overall database management. In a matter of minutes, you can leverage Era’s intelligent automation to provision highly available Oracle databases or backup/restore terabyte sized databases across clouds with Era’s lightweight point in time snapshots.

Database patching: Reduce security risks by automating patch deployments. Maintain fleet-wide database patch standards across new and existing database servers while reducing or eliminating patching downtime.

Data protection: Backup and/or restore terabyte-sized databases across clouds in a matter of minutes with point-in-time granularity using Era time machine snapshots.

Efficient database deployments: Era customers have reported that they can deploy Oracle database instances in minutes versus days or weeks, including complex HA deployments across clouds and datacenters. Era significantly reduces copy data management cycle times from one hour to seconds, allowing almost real-time database provisioning.

¹ IDC White Paper January 2020

² The Total Economic Impact™ Of Nutanix Era, a commissioned study conducted by Forrester Consulting on behalf of Nutanix, October 2020

³ ESG Technical Validation: Performance Analysis of Databases Running on Nutanix Hyperconverged Infrastructure (HCI) of Nutanix, October 2020

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The value Era brings to database management is a significant OPEX reduction from database operational efficiencies. Forrester Consulting conducted a Total Economic Impact™ (TEI) study of Nutanix Era customers and discovered that a composite organization experienced a ROI of 291% over three years with a NPV of \$6.7M. On average, \$800 per TB of avoided storage from efficiencies in database clones. Our automation of database patching contributed to \$35K loss avoidance per hour by reducing patching down time from four hours per patching event to 30 minutes.

Nutanix Era for Oracle leverages the efficiency, agility, cost-effectiveness, and scalability of any cloud, no matter how you choose to deploy your databases on-prem or in a public cloud.

NUTANIX ON PUBLIC CLOUD

Nutanix Clusters allows customers to run an instance of the Nutanix Cloud Platform in the public cloud. Clusters dramatically reduce the operational complexity of migrating, extending, or bursting your applications and data between clouds. Use the Nutanix Prism Management plane to easily manage your public and private cloud infrastructure. Deploy a true hybrid infrastructure between your hybrid and public clouds that enables seamless application mobility across clouds with absolutely no code changes needed.

CONSOLIDATE, SIMPLIFY, AND ACCELERATE

Our platform will help you consolidate both virtualized and bare metal Oracle RAC onto a single, Oracle optimized infrastructure that provides one-click simplicity, built-in data protection, effortless scale, and non-disruptive upgrades. Extract the value from your databases faster and more efficiently when leveraging our platform for Oracle databases.



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