DO MORE, SPEND LESS
WITH ORACLE ON NETAPP

Choosing the right infrastructure, on premises and in the cloud

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ARE YOUR ORACLE DATABASES READY FOR THE FUTURE?

Oracle databases keep today's enterprises running. They're always there when you need them. But disconnected infrastructure and aging storage systems can cripple an Oracle database.

Symptoms include:

- Slow overall performance that can't hang with modern Oracle databases
- Time-consuming test/dev cycles due to long resource provisioning and database cloning time
- Increased risk of downtime and security breaches
- Higher costs for power, cooling, and space
- Maintenance complexity due to manual updates and patching

Whether your Oracle storage is on premises, in the cloud, or in an ultra-customized hybrid setup, we've got the data services and solutions you need to deliver projects up to 30% faster, speed and simplify database consolidation, and keep your customers happy.

HOW DO YOU CHOOSE THE RIGHT SOLUTION FOR YOUR ORACLE INFRASTRUCTURE?

So how do you choose the right solution to modernize your Oracle infrastructure?

You just need to answer these four questions:

🚀 How will the solution be deployed?

💡 Will the solution help stimulate innovation?

🎧 Will the solution deliver a consistent customer experience?

💲 Will the solution simplify operations and lower total cost of operations (TCO)?

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HOW WILL THE SOLUTION BE DEPLOYED?

First, you need to decide how your solution will be deployed. On your premises? In the cloud? Or both?

On premises. By keeping the Oracle database inside the data center, organizations can maximize performance, control, and data protection.
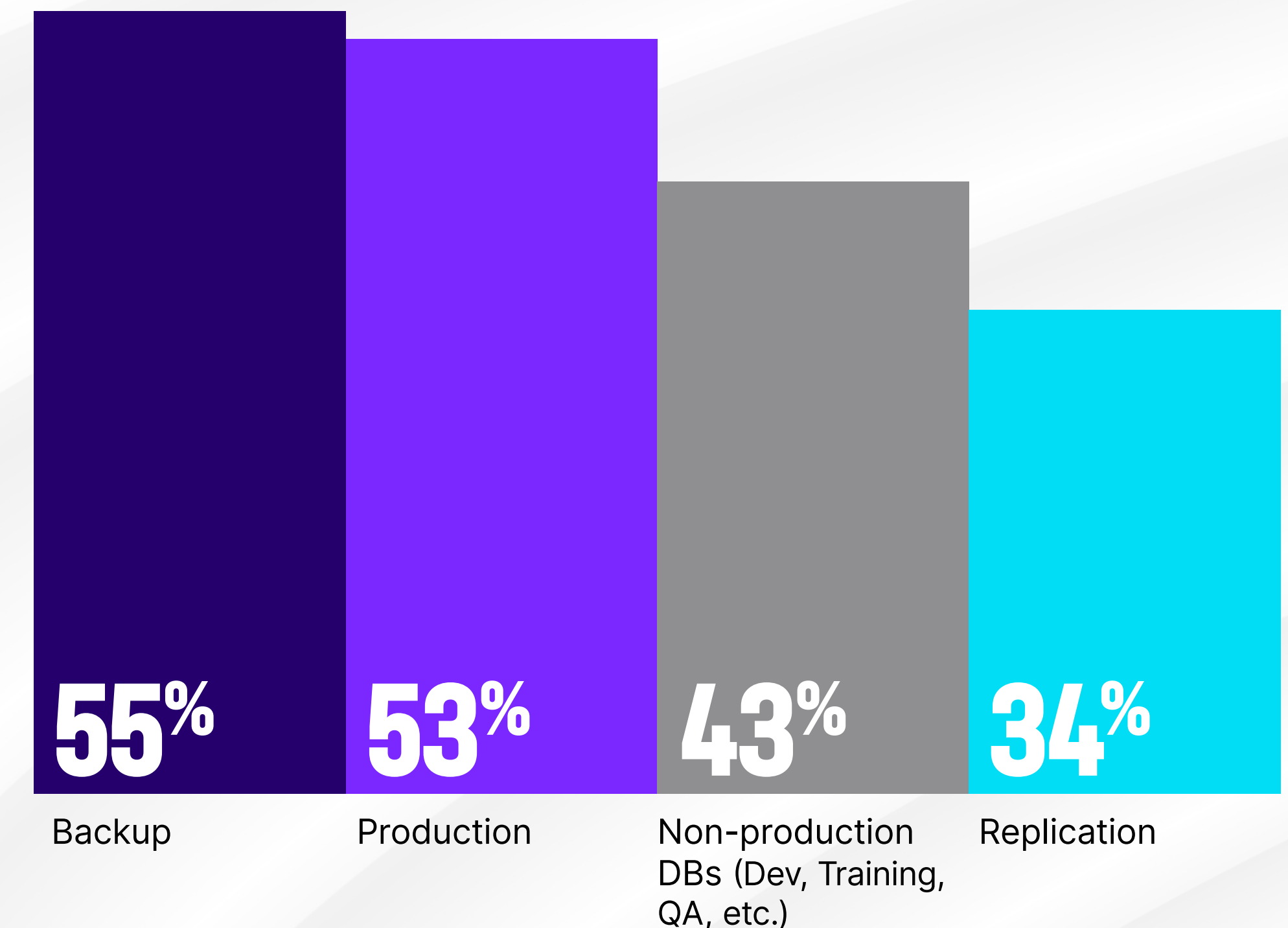
Cloud. The cloud gives organizations an easy way to modernize their Oracle infrastructure without the capital expenditure (capex) investments and management skills needed for on-premises solutions: cost efficiency, scalability, easy deployment and provisioning.

Hybrid cloud. Hybrid cloud solutions provide the performance and control of on-premises solutions with the ease and flexibility of the cloud: agility, scalability, control.

We surveyed the Pulse community to tell us which components of the Oracle database environment they plan to move to the cloud.

55%	53%	43%	34%
Backup	Production	Non-production DBs (Dev, Training, QA, etc.)	Replication

N = 76 technology leaders
Powered by www.pulse.qa

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WILL THE SOLUTION HELP STIMULATE INNOVATION?

Slow and steady does not always win the race. To win, sometimes you've got to go fast. That means getting more projects done faster and accelerating time to market. To do it better than your competitors, you need an Oracle solution that will stimulate innovation instead of stifling it.

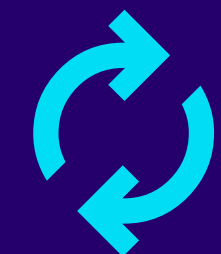Make sure that your solution delivers these key features and capabilities:

- ✓ Built-in automation
- ✓ Thin-cloning technology
- ✓ Ability to scale up or out smoothly
- ✓ Access to data across your entire IT infrastructure

WHY IT MATTERS

By including these key features and capabilities in your solution, you can:

Deploy new projects faster. Built-in automation enables faster deployment of your Oracle projects with less risk of human error. System provisioning and prototyping that typically take days to complete are done in just minutes with one-touch automation.

Shorten development cycles. Thin-cloning technology lets you clone the largest volumes in just seconds, instead of hours or days. If a test corrupts the data, you can start again almost immediately.

Scale seamlessly, without limits. Scale up or out smoothly. Grow as your business needs dictate—without disruption or downtime, and without migrating data or changing operating systems. Remove bottlenecks for projects and keep the innovation flowing.

Make better-informed decisions. Access data across your entire IT infrastructure. Know what's going on across your business, on your premises and in the cloud. These insights can help you make better-informed decisions.

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WILL THE SOLUTION MINIMIZE CUSTOMER TURNOVER?

When application latency can mean keeping or losing a customer, you need always-on capabilities. Performance, availability, and security are must-haves for creating a consistent customer experience and minimizing churn.

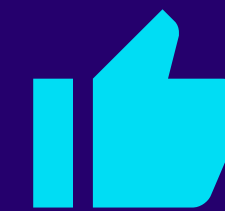Make sure that your solution delivers these key features and capabilities:

- ✓ All-flash storage system
- ✓ Proactive monitoring and predictive analytics
- ✓ Ability to absorb multiple concurrent faults
- ✓ Automatic recovery
- ✓ Nondisruptive software updates and hardware maintenance

WHY IT MATTERS

By including these key features and capabilities in your solution, you can:

Reduce customer churn by consistently improving response times. NetApp provides consistent low latency through its implementation of NVMe.

Deliver a consistent customer experience. Whether your applications reside on Oracle, SQL Server, or SAP HANA, NetApp can improve the user's interaction with them.

Accelerate time to market for higher quality projects. Speed and improve the quality of development, test, and other nonproduction use cases by giving each developer and user their own copy of the database or application.

Protect data wherever it lives. Integrated, automated data protection safeguards data across edge, core, and cloud resources.

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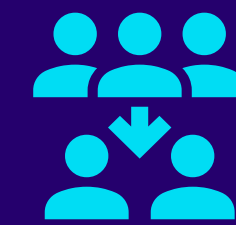# WILL THE SOLUTION SIMPLIFY OPERATIONS?

Oracle environments can be tricky. And pricey. Simplifying the management and maintenance of your Oracle environment can save you money and time. You need an Oracle solution that will help you simplify operations and reduce TCO.

Make sure that your solution delivers these key features and capabilities:

- ✔ Unified architecture with built-in automation
- ✔ Integrated data protection
- ✔ Native cloud integration
- ✔ Fully tested and proven solution
- ✔ Space-saving technologies
- ✔ Automated capacity monitoring and proactive issue monitoring
- ✔ Quality of service; independent compute and storage scaling
- ✔ Tools to help understand consumption and cost

WHY IT MATTERS

By including these key features and capabilities in your solution, you can:

Reduce management complexity. Simplify management and enable easy migration to the cloud of your choice.

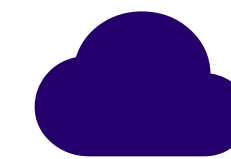**Eliminate guesswork.** Take the guesswork out of purchasing storage and troubleshooting issues.

Lower TCO. Streamline consumption while keeping costs under control.

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> *"While every enterprise data center is different, we believe that consolidating Oracle database storage to NetApp storage platforms will save administrative time while satisfying the needs of Oracle database users, developers, and DBAs. This will equate to cost savings that will justify the effort in replacing an inadequate storage platform with NetApp AFF or FAS."*

Evaluator Group, Inc.[1]

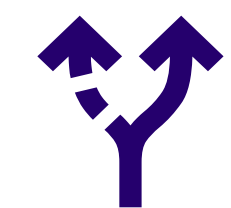# NETAPP AND ORACLE:
BETTER TOGETHER

Save your IT team from the burdens of day-to-day management and administrative tasks. Prevent disaster by delivering 99.9999%+ availability. With NetApp and Oracle, you single, integrated solution.

Deploy anywhere, without compromise.

Deliver projects up to 30% faster.

Access data when and where it's needed.

Streamline operations and reduce costs.

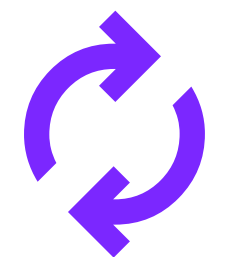**NetApp**

DEPLOY ANYWHERE, WITHOUT COMPROMISE

NetApp and Oracle:

- Deliver cloud efficiencies on premises

- Offer on-premises performance and data protection in the cloud, with your choice of hyperscalers

- Integrate natively with the largest cloud service providers so you can skip refactoring and simply move to the cloud

- Help you avoid vendor lock-in and allow you to move to cloud at your own pace with true hybrid cloud solutions

UNIVERSITY *of* **WEST FLORIDA**

"We have been able to meet every challenge for unstructured data. NetApp was there for us. We needed a platform for Oracle. NetApp was there for us. We needed a platform for SQL, for VMware, for Citrix. NetApp was there for us."

Carl Howell, Lead Enterprise Systems Engineer, University of West Florida

Read the full story

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ItalGas

"With Azure NetApp Files, we can back up or clone a database in seconds through snapshots. When fully adopted and automated, this methodology is a great game changer."

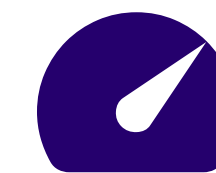*Giuliano Caglio, Cloud Services and Infrastructure, Italgas*

Read the full story

DELIVER PROJECTS UP TO 30% FASTER

Optimize your IT with a solution that:

Uses built-in automation so you can provision test/dev systems in minutes rather than days; cloud volumes can be provisioned in just 8 seconds

Clones the largest volumes in just seconds—without consuming a lot of additional storage space—with NetApp® FlexClone® thin-cloning technology

Scales without requiring migration or change of operating system; NetApp ONTAP® operating systems can handle a variety of workload types—from transactional to analytical, or a mix of both

Enables access to data across the entire IT infrastructure with a data fabric that spans from edge to core to cloud

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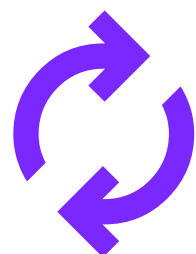
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ACCESS DATA WHEN AND WHERE IT'S NEEDED

When you run your Oracle database on NetApp, you get a solution that:

Delivers 1 million IOPS and latency of about 100 microseconds

Provides 99.9999% availability with automatic failover and nondisruptive updates and maintenance

Enables 24/7 operations with seamless, integrated data protection powered by NetApp Snapshot™ and SnapMirror® replication technologies

Mitigates risk with NetApp Console predictive analytics and actionable intelligence

California State University Chico

"When we make adjustments, we no longer have to wait 10 minutes to recover the server and start testing again. We barely have enough time to drink our coffee before it's back up and ready"

Mike Wood, Senior Analyst Programmer, Enterprise Applications, California State University, Chico

Read the full story

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DO MORE, SPEND LESS

With your Oracle databases on NetApp, you can create an intelligent data infrastructure that enables you to meet business demands and gain a competitive edge now and in the future.

Learn more about NetApp solutions for Oracle:

- Oracle database solutions from NetApp

- Oracle database solutions for Google Cloud

- Italgas energizes its Oracle investments by switching to Azure NetApp Files

- DG Khan supports business growth with NetApp hybrid storage for Oracle and Microsoft applications

1. Evaluator Group, NetApp Takes On Oracle Databases, July 2020.

About NetApp

NetApp is the intelligent data infrastructure company, combining unified data storage, integrated data, operational and workload services to turn a world of disruption into opportunity for every customer. NetApp creates silo-free infrastructure, harnessing observability and AI to enable the industry's best data management. As the only enterprise-grade storage service natively embedded in the world's biggest clouds, our data storage delivers seamless flexibility. In addition, our data services create a data advantage through superior cyber resilience, governance, and application agility. Our operational and workload services provide continuous optimization of performance and efficiency for infrastructure and workloads through observability and AI. No matter the data type, workload, or environment, with NetApp you can transform your data infrastructure to realize your business possibilities. Learn more at www.netapp.com.

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