

NETAPP WORKLOAD FACTORY

Effortlessly design, launch, operate, and optimize cloud workloads



THE PROBLEM

According to IDC, 84% of organizations operate with hybrid IT infrastructures. Deploying any workload to the cloud complex and demands a team proficient in industry and vendor best practices, necessitating ongoing management across various tools can lead to prolonged planning times, escalated operational costs, inefficiencies due to less-than-optimal designs, and potential delays arising from deployment errors.

THE SOLUTION

NetApp Workload Factory revolutionizes cloud workload deployment by eliminating complexity and reducing errors. This complimentary service delivers intelligent automation, seamless management, and optimized performance for workloads using Amazon FSx for NetApp ONTAP. Designed around well-architected principles, it streamlines cloud service design, setup, and ongoing operations.

Supporting a range of critical workloads—including GenAI for AI applications, VMware environments, enterprise databases, and development workspaces—it accelerates deployment, enhances performance, strengthens protection, and cuts operational costs. Organizations can now launch workloads faster, plan more effectively, and maximize cloud efficiency. With NetApp Workload Factory, you can:

- Shorten migration planning from days to hours
- Reduce errors in infrastructure configurations by up to 90%
- Save up to 50% on infrastructure and operational costs



1

Simplify.

Shorten planning time, reduce operational efforts, save on costs from suboptimal configuration, and avoid delays from failed or erroneous deployments. Instead, focus on the desired outcome of moving a workload from on-premises to Amazon FSx for NetApp ONTAP, with NetApp® Workload Factory doing the heavy lifting.



2

Assess, plan, and launch.

Automatically profile requirements for all supported workloads; evaluate various resource options for cost, performance, security, and resilience; and then apply best practices to plan, provision, deploy, and launch workloads in the cloud.



3

Cut costs.

Automatically incorporating best practices for workload deployments can reduce costs by offering autogenerated infrastructure-as-code (IaC) snippets. This feature results in operational efficiency, built-in repeatability, and seamless integration with existing orchestration workflows. Workload Factory also actively monitors cloud resources and assists with scaling up, out, or down as needed.



4

Protect workload data.

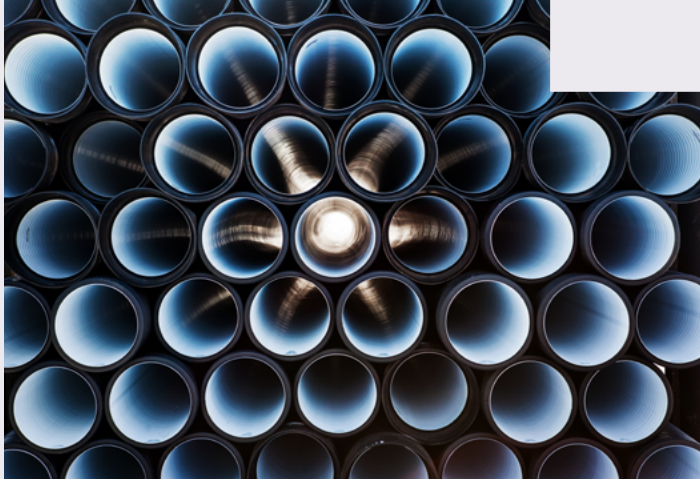
With NetApp ONTAP®, or hyperscaler-native services, your workloads are safeguarded against user errors, corruption, ransomware, and disasters. ONTAP offers enterprise-grade backup and disaster recovery services for continuous protection.



5

Modern workloads.

Move and deploy modern workloads like databases, VMware, and GenAI projects in the cloud using Amazon FSx for NetApp ONTAP. For instance, GenAI can leverage your private enterprise data to enhance Amazon Bedrock's foundational models and Amazon Q applications, creating retrieval-augmented generation (RAG) pipelines quickly, securely, and cost-effectively in just minutes.



NetApp® Workload Factory simplifies workload deployments to the cloud using Amazon FSx for NetApp ONTAP.

Where NetApp adds value



Intelligently deploy workloads to Amazon FSx for NetApp ONTAP

- Lets you focus on the desired workload outcomes, not on the operations required to realize these outcomes
- Automatically profiles workload requirements and assesses different resource options for cost, performance, security, and resilience needs
- Uses built-in best practices to plan, provision, and launch workloads in the cloud



Actively monitor workload resources

- Actively monitors resource use and performance to guide to the optimum scale and performance—whether up, out, or down
- Uses templates to convert repeatable actions into API calls or IaC snippets for seamless integration with existing orchestration workflows
- Continuous monitoring ensures that workloads continue to meet vendor and industry best practices



Save time and cost

- Reduces error-prone manual deployment steps by up to 90%
- Saves an average of 50% on the cost of database deployments
- Reduces migration time from days to hours
- Rightsizes workload resources to meet performance and operational goals



Protect workload data

- All data in flight being migrated to Amazon FSx for NetApp ONTAP is protected with end-to-end encryption.
- Enterprise-level protection services continuously protect the workload data from user errors and corruption and include backup and disaster recovery solutions.

Only NetApp offers

NetApp stands apart by delivering end-to-end workload deployment, automation, and comprehensive workload management—eliminating manual complexity.

Infrastructure administrators must navigate industry and multivendor best practices, often relying on extensive documentation that can be difficult to interpret and time-consuming to follow. Traditional approaches require manual execution across disparate tools, leading to inefficiencies, potential errors, and scalability challenges.

Workload Factory simplifies this process by following well-architected principles such as embedding best practices directly into automated workflows and continuously monitoring for environmental drift.

Rather than deciphering complex instructions and manually coordinating tasks, administrators can rely on a unified interface—accessible via UI or API—to seamlessly execute workload operations.

“The NetApp Workload Factory’s quick and easy deployment of a complete RAG solution at no additional cost lowers the hurdles for POCs and accelerates the project cycle. All relevant questions regarding security, compliance and transport of the corresponding data are taken into account by the underlying FSxN storage solution. This helps us tremendously to accompany our customers in their GenAI journey as a competent and trustworthy partner from the very beginning.”

Sven Ramuschkat, Co-founder, tecRacer

Additional resources

[Try NetApp® Workload Factory ›](#)

[See the solution brief ›](#)

[Find Workload Factory on the web ›](#)



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About NetApp

NetApp is the intelligent data infrastructure company, combining unified data services, and CloudOps solutions 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 CloudOps solutions provide continuous optimization of performance and efficiency 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.

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