

TURBOCHARGE YOUR AI PROJECTS WITH AN INTELLIGENT DATA INFRASTRUCTURE The AI revolution has transformed IT priorities overnight. Businesses that want

to stay in the lead must be able to manage large, complex, data-intensive Al apps and workloads without a hitch. But this innovative challenge brings with it distinct opportunities, and a smart,

deliberate approach to using, storing, and protecting data can keep you ahead of your competitors—alongside your customers—in the Al race. Ahead, we cover the five key elements you need for an Al-ready intelligent

data infrastructure.



infrastructure is the #1 reason for Al project failure¹

Inability to access data due to

DESIGN A DYNAMIC, EXTENSIBLE DATA PIPELINE When it comes to AI, an intelligent data infrastructure does more than store data;

it should also support efficient data flow that's customized for Al-specific tasks. This enables you to easily transfer models and data from on-premises to the cloud and back again as needed. A dynamic, agile infrastructure also makes data accessible and easy to analyze by accommodating various data types. TAKE ACTION: Build a data infrastructure that's not just a hub, but an Al

powerhouse built with intelligence. In addition to supporting every stage in the Al data pipeline—from collecting and cleaning to training and deployment—your infrastructure should enable more data to move quickly across the pipeline, from edge to core to cloud. This ensures high performance, reliability, scalability, and cost-effectiveness.

needs major improvement or a complete overhaul to meet the needs of Al1

of global businesses say their storage

SET YOUR SIGHTS ON STRATEGIC SCALABILITY The relationship between AI and data isn't just about numbers; it's also about quality and efficiency. Despite boosting AI performance, massive datasets make significant

computational demands and can cause issues such as overfitting. This is especially pertinent when it comes to generative AI, whose tremendous data output can place unprecedented strain on your system. For sustainable Al growth, organizations should consider an efficient data infrastructure that can handle big, diverse datasets while smoothly integrating with existing IT landscapes.

TAKE ACTION: Invest in an advanced data management architecture specifically designed for AI scalability. Aside from data quantity, prioritize data quality, availability, and effective integration with your enterprise environment, this multifaceted approach is key to scaling Al projects without sacrificing performance.

\$4.4 TRILLION²

DEMYSTIFY DATA

global economy

Generative Al's potential

annual contribution to the



Data management shapes where and how data lives. It also determines how data is labeled and organized. Your infrastructure should make data and workloads easy to move, manage, protect,

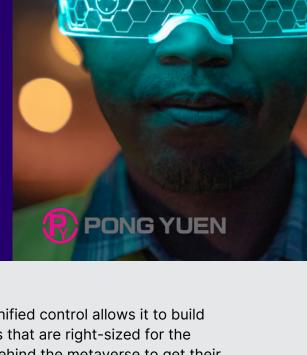
MANAGEMENT

by complexity. Look out for too many tools, too many skill requirements, too many silos. Any of these can stall Al projects. Take IoT powerhouse Pong Yuen as an example. Unified control allows it to build an approved Al cluster with preconfigured solutions that are right-sized for the most common use cases. This enables the minds behind the metaverse to get their workloads up and running quickly and easily.

PRIORITIZE CYBER

and guaranteed recovery.

and secure. But these tasks can be muddled



unified management. Success remains elusive. 57% of

and drive progress, look to native cloud integration, familiar resources, and

TAKE ACTION: Piecemeal tools and solutions are not your friend. To simplify operations

US execs report feeling overwhelmed by Al integration³



RESILIENCE High-stakes data calls for versatile, ironclad, and comprehensive protection—especially in our Al era. To keep you ahead of threats, your security should safeguard data with built-in real-time cybersecurity and anomaly detection. It should use scalable data

TAKE ACTION: Set your Al projects up for success with robust security that

automatically scans, analyzes, and safeguards data across your hybrid multicloud

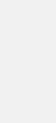
of global IT leaders doubt their team's ability to implement Al4

environment. Opt for a solution with built-in access controls, versioning, and traceability.

snapshots to enable versioning and traceability of multiple Al models in production, as well as integrate classification and insight to meet data privacy and governance policies. And it should fortify your cyber defenses with Al- and ML-based ransomware protection



building an Al-ready data infrastructure. Invest in Al professionals who have the specialized knowledge and skills many organizations lack. The right experts will



of IT leaders worldwide are seeking to

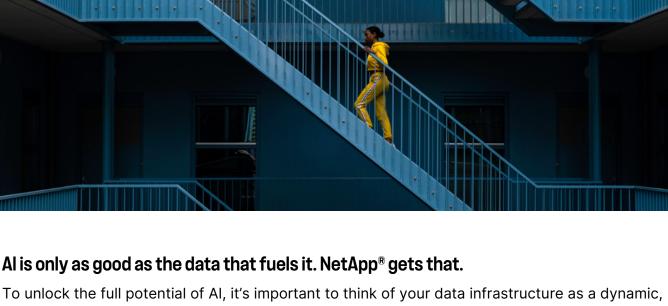
streamline data bottlenecks and help you get going immediately.

Choose a vendor that understands the ins and outs of hybrid cloud—one that can

reap the benefits of Al,4 but only 21%

of global organizations feel close to

scaling Al across their enterprise¹



Al-focused powerhouse. Prioritize scalability that values data quality as much as quantity. Take proactive measures to ensure your strategy offers both visibility and flexibility. Simplify your operations by avoiding fragmented solutions and opting for unified data management systems. That might sound like a lot. But you don't have to go it alone. NetApp can turbocharge your Al projects with an intelligent data infrastructure that enables seamless management across every stage of the Al life cycle. With a common operating environment across all your data, everywhere, you can accelerate cutting-edge initiatives and maximize performance for model training and

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blueprints that enable you to effortlessly transform raw data into actionable insights.

how NetApp can help you capitalize on Al. Watch webinar

and IDC, "The Al era," to learn more about

our AI maturity white paper with IDC and

analytics to drive better results with confidence.

Explore solutions

solutions that give your

Al projects an edge.

 1 IDC. <u>"Enabling AI Transformation with Intelligent Data Infrastructure."</u> March 2024.

 $^{\rm 3}$ edX. $\underline{\mbox{"Navigating the Workplace in the Age of Al."}}$ September 14, 2023.

² McKinsey Global Institute. "Al could increase corporate profits by \$4.4 trillion a year, according to new research." July 7, 2023.

governance, and application agility. Our CloudOps solutions provide continuous optimization of performance and efficiency through observability and Al. No matter the data type, workload, or environment, with NetApp you can

⁴ Salesforce. "85% of IT Leaders See Al Boosting Productivity, but Data Integration and Overwhelmed Teams Hinder Success." January 23, 2024.

About NetApp

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