

# Scality and Microsoft Azure

The digital economy, IoT, and edge services are driving an explosion of data. Because this data needs to be maintained and processed at various locations ranging from edge to core, data mobility and scalable storage are critical in hybrid cloud and edge architectures. In collaboration with Microsoft, Scality has developed solutions that enable storage and data management between core data centers, remote locations that leverage Azure edge solutions, and the Azure public cloud.

For Azure customers, Scality provides solutions that augment storage capacity at the edge, easily manage hybrid cloud data across on-premises and Azure, as well as provide interoperability between Azure and other public clouds.

**SCALE-OUT EDGE STORAGE:** Azure Stack Hub and Azure Stack Edge are on-premises extensions of Azure that allow enterprises to consistently build and run hybrid applications across cloud boundaries. When these applications require petabyte-scale local storage, Scality provides unlimited, scale-out storage for Azure's edge solutions that support both file and object interfaces.

**HYBRID CLOUD DATA MANAGEMENT:** Many enterprises want to maintain data on-premises for reasons including performance,

security, and regulatory compliance. However, Azure offers compelling services that can enhance and extract value from this on-premises data. Scality powers next-generation hybrid cloud data management and data protection use cases such as cloud archiving, cloud disaster recovery, and cloud bursting between on-premises data and the Azure public cloud.

**MULTI-PROTOCOL ARCHITECTURES:** Some applications and use cases require multiple cloud services, and yet it is time-consuming and expensive for developers to support multiple, different APIs. Scality provides a single namespace across the Azure Blob Storage API and the Amazon S3 API that enables developers to rely on a single, unified API while supporting Azure, Amazon, as well as other cloud storage services.

*“Customer interest in hybrid cloud and edge deployments is increasing, and we see a market need for Azure edge solutions with scale-out storage support. We are glad to see Scality enable their products to support Azure Blob storage for a range of hybrid cloud and edge storage use cases.”*

**Tad Brockway, Corporate Vice President,  
Azure Storage, Media, and Edge, Microsoft Corp**



## Key benefits

### Limitless edge storage

When edge use cases demand petabyte-scale, scale-out local storage, the combination of Azure edge solutions, such as Azure Stack Hub and Azure Stack Edge, with Scality enable the power of Azure cloud services with limitless on-premises storage.

### Unified namespace across Azure Blob, Amazon S3 and file data

Some applications access file data via NFS or SMB protocols. Other applications access object data via Azure Blob or Amazon S3 APIs. Instead of compromising by selecting only one of relevant protocols or APIs, enterprises can leverage Scality for a single, unified namespace across these disparate storage technologies.

### Safer data

Unlike conventional NAS, Scality enables 100% availability and 14 nines durability, with multi-site geo-distribution to tolerate entire site failure. And, unlike other object storage, Scality features fine-grain control over durability and overhead ratios to match customer requirements.

### Lower costs for Azure edge backup and disaster recovery

Scality RING can be used as a single-site backup target or a multi-site DR solution for Azure edge deployments. RING is the only storage solution to lower TCO by allowing a mix-and-match of standard servers. Unlike conventional storage, Scality eliminates silos for more storage efficiency and enables worry-free capacity expansion as data is managed by the software—not tied to rigid appliance form factors.



SCALE-OUT STORAGE FOR AZURE EDGE SOLUTIONS



Scality RING



EDGE IT

HYBRID CLOUD DATA MANAGEMENT ACROSS RING AND AZURE



RING / XDM



CORE DATA CENTER

AMAZON S3 TO AZURE BLOB TRANSLATION



ABOUT SCALITY Scality® storage propels companies to unify data management no matter where data lives — from edge to core to cloud. Our market-leading file and object storage software protects data on-premises and in hybrid and multi-cloud environments. With RING and ARTESCA, Scality’s approach to managing data across the enterprise

accelerates business insight for sound decision-making and maximum return on investment. To compete in a data-driven economy, IT leaders and application developers trust Scality to build sustainable, adaptable solutions. Scality is recognized as a leader by Gartner and IDC.

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