



A STORAGE ARCHITECT'S CHECKLIST TO THE CLOUD

Six Considerations When **Moving Storage-Intensive** Workloads to the Cloud

Virtually every organization on the planet is considering whether to move some - or all - of their operations to the cloud, in the hope of driving down costs and accelerating innovation. Ensure cloud success by tackling these six challenges before migrating your high-speed database and analytics workloads to the cloud.



What's Causing the Accelerated Switch to the Cloud



Global Pandemic Forced Resource **Shortages**



Booming Economy & Supply Chain Shocks





Economic Instability & Cyberattacks

Additional Contributors to an Accelerated Datacenter Digitalization



Data growth is outpacing resource availability



Shrinking IT budgets eliminate over-provisioning for unpredictable business demands



On-premises architecture wasn't built to support today's cloud-native applications



On-premises systems are inefficient, resulting in silos and islands of data

Your Checklist for Successful Cloud Migration

Despite the cloud's decades-long existence and the accelerated development of cloud-native applications, technical and cost challenges persist, posing potential risks for storage-intensive cloud migrations. Mitigate your risk by considering these six challenges before migrating your high-performance database to the cloud:



Limits Circumvent native cloud storage

Cloud Performance

performance limits with high-performance

software-defined storage, available in the Marketplace.



Limited Flexibility With cloud-native storage, you will need

Tackle the Cloud's

to know your IOPS requirements when you provision the services, which often leads to over-provisioning. Instead choose storage where the IOPS scale with your business and can be spread across many instances or virtual machines.



Omit falling into a trap of choosing instances using direct attached NVMe

Be Persistant

for high performance. You will sacrifice persistence and data protection. Instead choose storage that delivers performance equivalent to local flash, but with persistence and data protection across availability zones.



Become Paid Extras Avoid budget busting, ad hoc essential

Essential Data Services

services included in the license.

data services with software that has data



Comes at a Cost With native cloud storage, high-

High-Performance

performance comes at a high cost. Consider options in the Marketplace

that offer better price/performance capabilities.



Provisioning Storage is often over-provisioned to

A Question of

account for uncertain demand. If you under-provision, you risk delivering a poor

option that scales in demand with your business and offers thin provisioning included in the license can a better budget friendly option.

end-user experience. A software-defined

for migrating storage-intensive workloads to the cloud

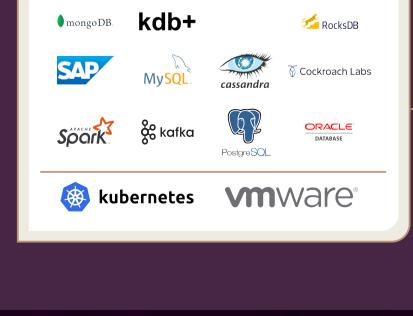
Enabling a better experience

• Essential data services included in the software license • Easy to consume on the marketplace and simple to manage

• More predictable and lower cost than native cloud storage

• High-performance/IOPS with consistent low latency

- Linearly scalable Multi-AZ support reduces risks and unplanned downtime







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Make the switch and migrate your storage-intensive

workloads to the cloud with Lightbits.

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