

6 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



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:

- Cloud Performance Limits**
Circumvent native cloud storage performance limits with high-performance software-defined storage, available in the Marketplace.
- Tackle the Cloud's Limited Flexibility**
With cloud-native storage, you will need 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.
- Be Persistent**
Omit falling into a trap of choosing instances using direct attached NVMe 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.
- Essential Data Services Become Paid Extras**
Avoid budget busting, ad hoc essential data services with software that has data services included in the license.
- High-Performance Comes at a Cost**
With native cloud storage, high-performance comes at a high cost. Consider options in the Marketplace that offer better price/performance capabilities.
- A Question of Provisioning**
Storage is often over-provisioned to account for uncertain demand. If you under-provision, you risk delivering a poor end-user experience. A software-defined option that scales in demand with your business and offers thin provisioning included in the license can a better budget friendly option.

Enabling a better experience for migrating storage-intensive workloads to the cloud

- High-performance/IOPS with consistent low latency
- More predictable and lower cost than native cloud storage
- Essential data services included in the software license
- Easy to consume on the marketplace and simple to manage
- Linearly scalable
- Multi-AZ support reduces risks and unplanned downtime



Make the switch and migrate your storage-intensive workloads to the cloud with Lightbits.

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