Mission-Critical Meets Cloud

FlashGrid software enables Oracle RAC in Azure Cloud

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Why Oracle RAC in Azure

99.99% Azure SLA with two VMs in different availability zones

? How to use two VMs for Oracle DB?

! Azure SLA covers only VM uptime, does not cover software or OS patching, crashes, or corruption

✓ Oracle RAC provides active-active redundancy between 2+ database node VMs

With Oracle RAC the database keeps running when:

- patching database or OS
- a VM fails (hardware, network, power, or AC failure)
- a VM reboots (hypervisor update or hardware retirement)
- OS crashes (kernel bug, intermittent hardware error)
- database instance crashes
- the system disk is corrupted

Oracle RAC in Azure Cloud
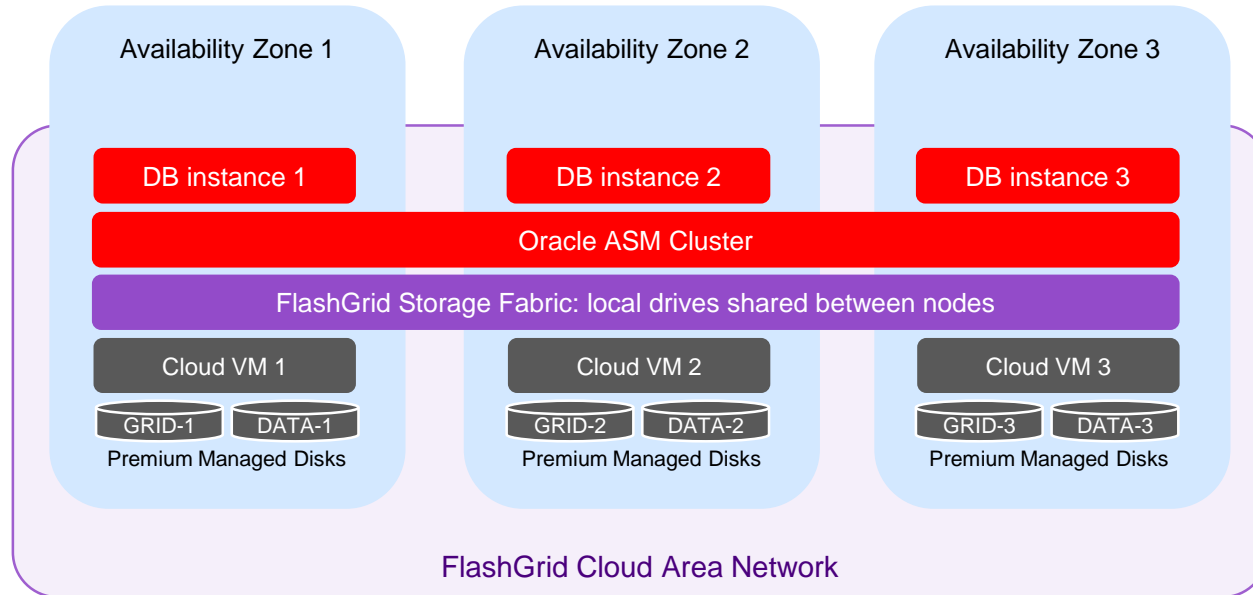
- FlashGrid Cloud Area Network creates a high-speed network overlay with multicast, VIPs, and QoS
- FlashGrid Storage Fabric creates shared storage from locally attached disks (Premium Managed Disks)
- Leverage proven Oracle ASM for high availability and data mirroring

FlashGrid Storage Fabric
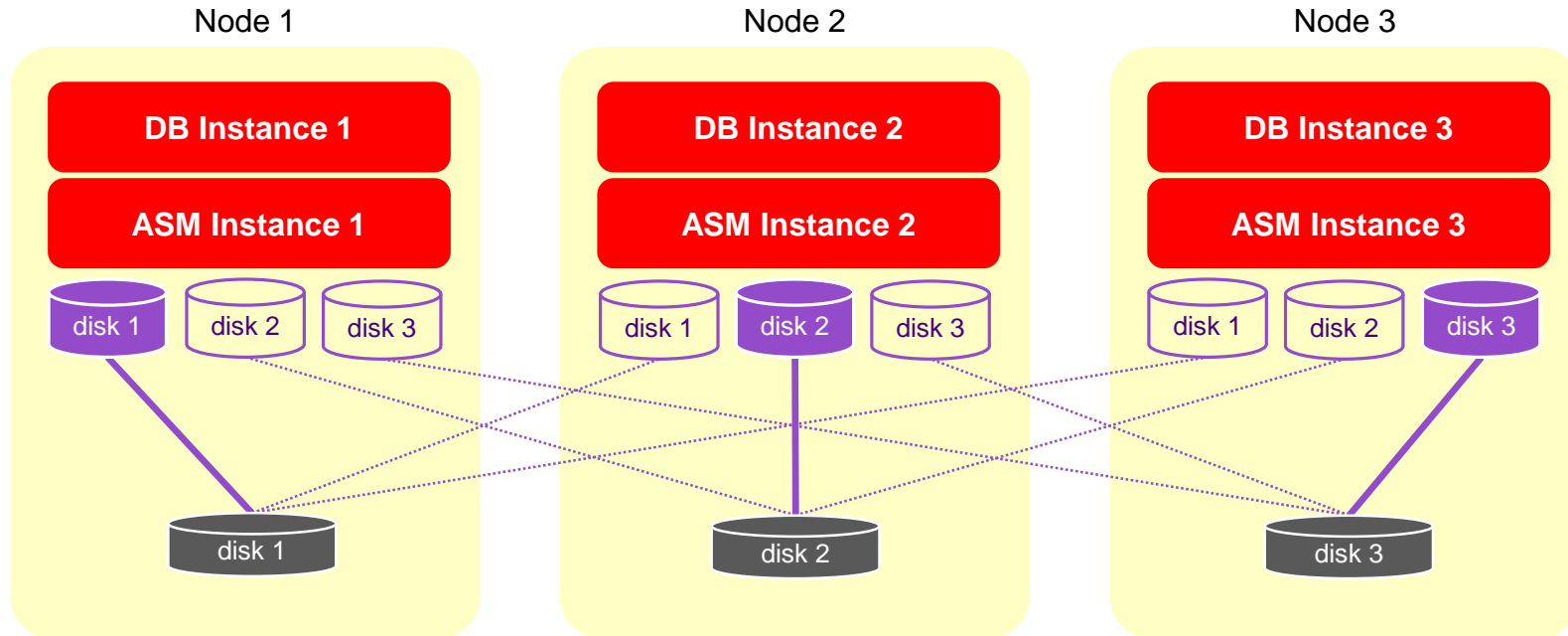
- Oracle ASM manages data, volumes, mirroring, snapshots
- FlashGrid manages storage devices and connections

Prevent Network Congestion with FlashGrid Read-Local™ Technology

flash**grid**
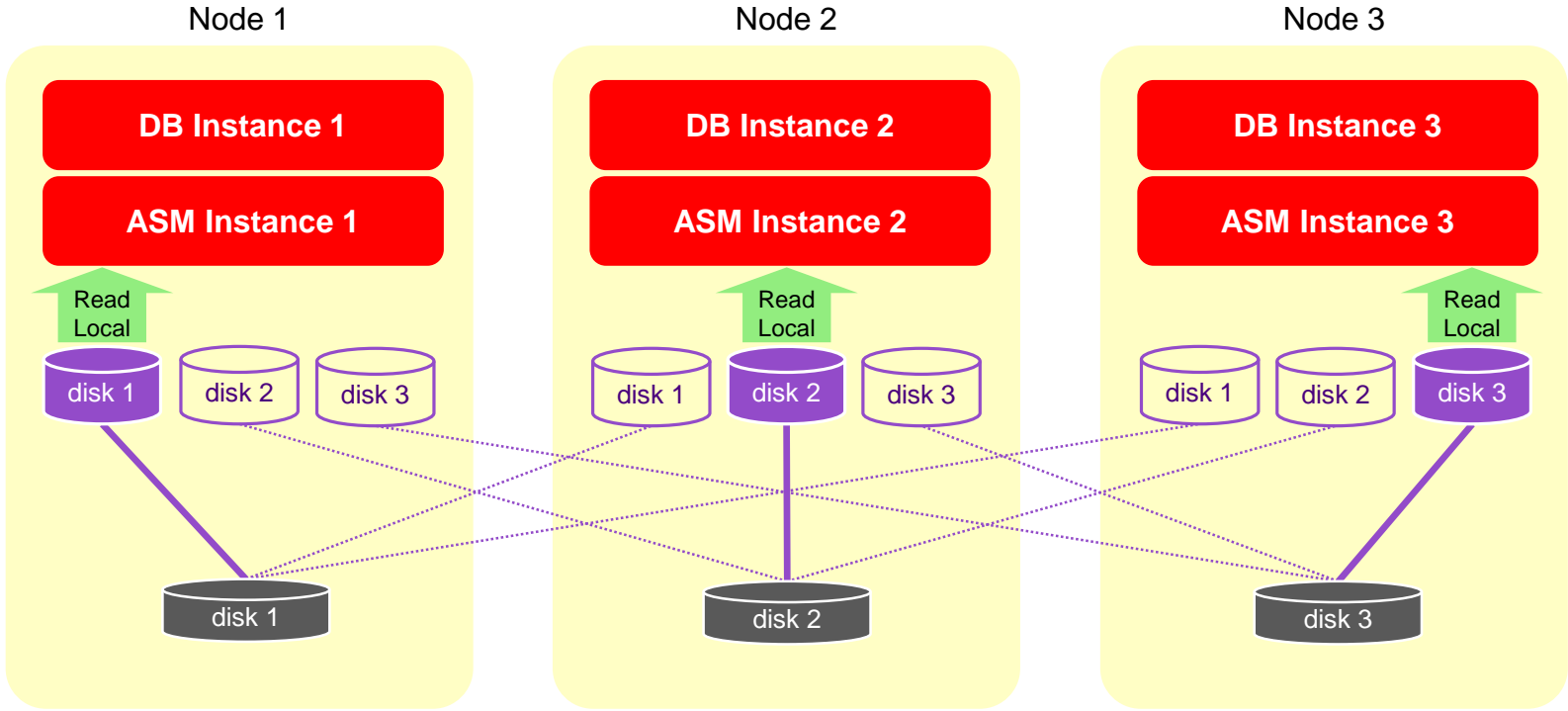
- Minimize network overhead by serving reads from local disks
- Accelerate both reads and writes

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FlashGrid® Cloud Area Network™ (CLAN) Architecture

flash**grid**

Availability Zone 1	Availability Zone 2	Availability Zone 3
fg-pub: 192.168.1.1	fg-pub: 192.168.1.2	fg-pub: 192.168.1.3
fg-priv: 192.168.2.1	fg-priv: 192.168.2.2	fg-priv: 192.168.2.3
fg-storage: 192.168.3.1	fg-storage: 192.168.3.2	fg-storage: 192.168.3.3
eth0: 10.0.0.11	eth0: 10.0.0.12	eth0: 10.0.0.13
Cloud VM 1	Cloud VM 2	Cloud VM 3
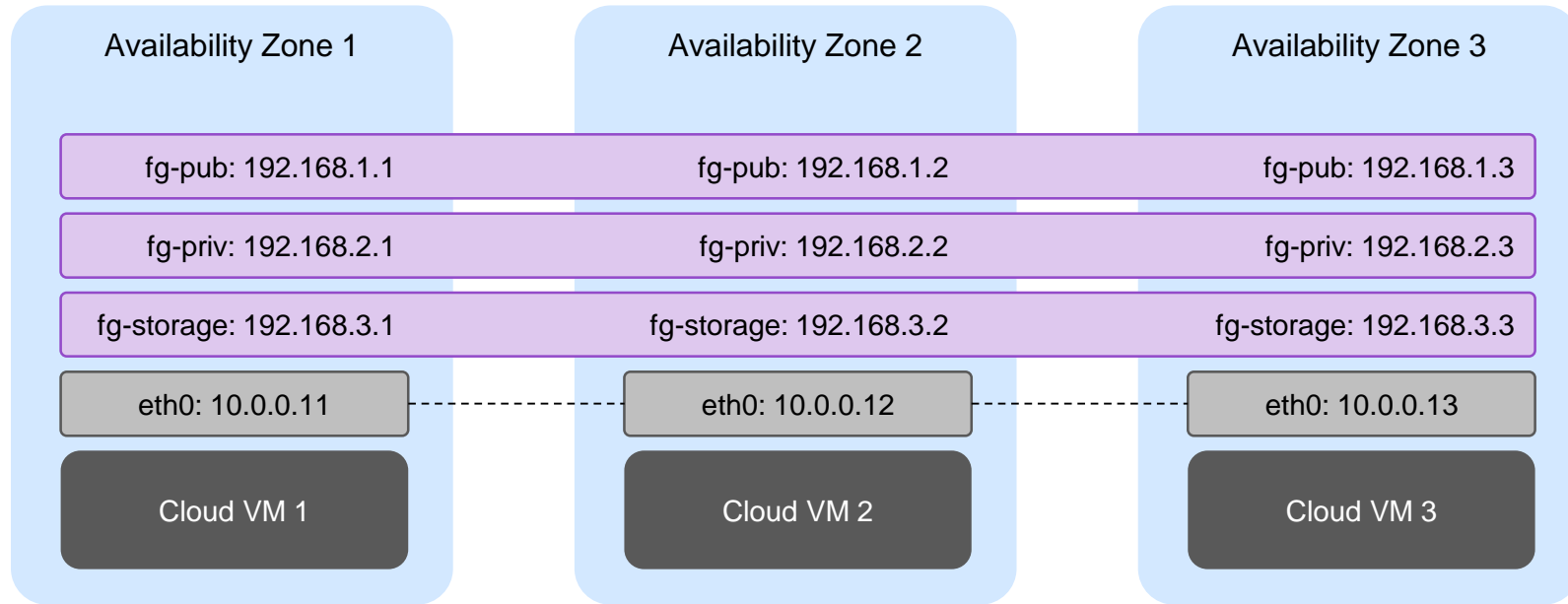
- High-speed network overlay with multicast and VIP support
- Separate CLAN subnet for each type of traffic
- Fully featured layer 2 connectivity via VNET

Create your cluster today

https://www.flashgrid.io/cloud-provisioning-for-azure/

Questions?

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