

The diagram illustrates two disaster recovery (DR) architectures, comparing a traditional scale-out approach with a modern All in One Zerto Cloud Appliance (ZCA) approach.

Top Left: Management of scale-out architecture
Zerto Virtual Manager (ZVM) & VRAs
 Configure networking to Azure separately

Top Right: Azure Windows instance
All in One Zerto Cloud Appliance
 Manage & invoke DR from Azure

Diagram Components:

- Production Site:** Contains vCenter, ZVM, VMs, VRAs, and storage. It is connected to the Azure environment via a **VPN Gateway**.
- VM-Level Replication:** A central component showing data flow from the Production Site to the Azure environment.
- Azure Environment:** Contains the **ZCA** (Zerto Cloud Appliance) and a **Storage Account**.

Bottom Left: Consistency groupings, point in time recovery
Block-level replication, RPO = Seconds
 Pre-configure Azure recovery settings

Bottom Right: No recovery VMs until needed
RTO = Minutes, Automated VM import
 Replica data in Storage Account

In Azure deploy a Windows D3 v2 VM to install a Zerto Cloud Appliance (ZCA) which handles all of the replication and recovery orchestration in Azure. Site connectivity must be provisioned using a VPN gateway, virtual network or ExpressRoute from the on premise Zerto Virtual Manager (ZVM) and Virtual Replication Appliances (VRAs) to the ZCA over a minimum 5Mbps link. Nothing is required to be pre-installed in the protected VMs as Microsoft Azure drivers have been included in all Windows operating systems since Vista and Microsoft has a list of Linux OS supported in Azures.

How is the data stored?

Replica disks are stored as single page blobs and journal volumes are stored in multiple 16MB block blobs, which are cheaper than page blobs, in a dedicated storage account. A maximum 1TB disk size (the maximum page blob size) is supported, as are both the Windows and Linux OS versions that are supported by Azure.

Can I configure the recovery settings?

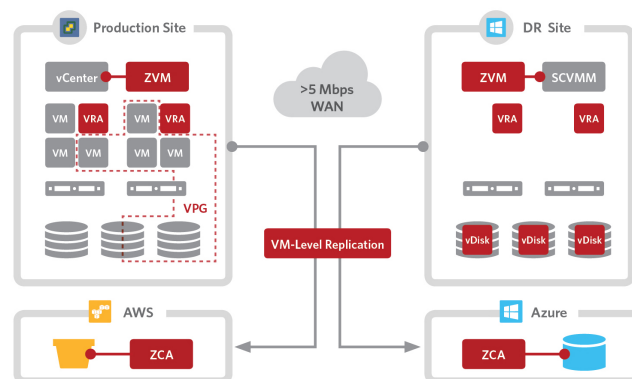
Virtual Protection Group recovery settings such as VM Virtual Network, Subnet, Instance family, Instance size, Network Security Group, and Private IP are pre-configured during VPG creation. All recovery setting selections are derived from the region of the paired recovery ZCA. Azure Resource Groups are automatically created per VPG for VMs upon recovery.

What about failback out of Azure?

Replication and failback out of Azure is planned for release in 2017, also enabling replication between Azure regions.





When can I get this?

ZVR 5.0 support for Microsoft Azure is planned to be available from November 2016.



So it's pretty awesome then?

Yes! With the addition of support for Microsoft Azure and extra features like One-to-Many replication, your business can be confident that your data is protected at all times in the manner of your choosing. Whether your strategy is on premise, managed service, cloud-first, or any combination of the above, Zerto Virtual Replication 5.0 will ensure your data is where you need it, when you need it.

Feature	Description
 IT Resilience	Remove lock-in & evolve IT with storage & hypervisor-agnostic replication to Azure
 Simplicity	Single disaster recovery solution for VMware vSphere & Microsoft Hyper-V
 Always-on	Data loss in seconds & continuous replication of VM block-level changes with no snapshots
 Disaster Recovery	Achieve RTOs in minutes & prove with no-impact testing

ABOUT ZERTO

Zerto is committed to helping organizations increase Resilience for Evolving IT™ with innovative, simple and reliable solutions that protect virtualized workloads between public, private and hybrid clouds. Zerto Virtual Replication, part of the Zerto Cloud Continuity Platform™, enables enterprises to move beyond their disaster recovery 'insurance policy' and gain confidence to withstand any disruption, incorporate new technology easily, and change frequently to accommodate evolving IT budgets and business priorities. For more information, go to zerto.com.