

NC2 and Disaster Recovery
<https://squasta.github.io>
Updated : 10th of July 24

Nutanix Disaster Recovery

Prism Central (PC) based DR solution

Availability Zones (AZ)

- = a Prism Central that manages one or more Nutanix clusters
- Primary location
- Recovery location
- Nutanix synchronizes protection policies between paired AZ

Protection Policies

- Automate the creation and replication of snapshots across all the clusters managed by PC
- Specify
 - RPO
 - Retention Policy
 - Entities to Protect
 - The Remote location
- Hardware-level snapshots of a cluster that you can replicate to one or more remote sites

Recovery Plans

- To orchestrate restoring protected VMs at a recovery location
- Runbook functionality
- On-premises
- Cloud-based

Requirements for DR between on-prem AZ and NC2 AZ

Network connectivity

- VPN site to site
- Private connection
 - AWS DirectConnect
 - Azure ExpressRoute

Support asynchronous replication only

NC2 Hypervisor is AHV

Limitations of DR configuration between on-prem and NC2

RPO Limitations

- Only nearsync with 1 to 15 minutes RPO
- Only asynchronous replication with 1 hour or more RPO

Volume groups

You cannot protect volume groups to NC2

Consistency groups
(a collection of entities treated as a single group)

You cannot protect consistency groups to NC2

DR Configuration Workflow

NC2 on Azure

- Nutanix Disaster Recovery
- Disaster Recovery Environment Specifications - NC2 on Azure
 - VPN site to site
 - ExpressRoute
 - Disaster Recovery over Layer 2 stretch

NC2 on AWS

- Nutanix Disaster Recovery
- Disaster Recovery Environment Specifications - NC2 on AWS
 - VPN Site to Site
 - DirectConnect
 - Disaster Recovery over Layer 2 stretch