Disaster Recovery With IBM Cloud Virtual Servers

Phase 4

Configuration Replication

Replication is the process of copying data or virtual machine images from one location to another. Replication can be used to create a copy of your VMs on IBM Cloud Virtual Servers, which can then be used for disaster recovery.

There are several different ways to replicate data and virtual machine images to IBM Cloud Virtual Servers. One option is to use IBM Spectrum Protect Plus, which is a comprehensive data protection solution that can replicate VMs to IBM Cloud Virtual Servers.

Another option is to use a third-party replication tool, such as Zerto or Veeam. These tools can also be used to replicate VMs to IBM Cloud Virtual Servers.

Once you have chosen a replication tool, you will need to configure it to replicate your VMs to IBM Cloud Virtual Servers. This will involve specifying the following:

- The source VMs that you want to replicate

- The destination VMs on IBM Cloud Virtual Servers

- The replication frequency

- The retention policy

Once you have configured replication, you should test it to ensure that it is working properly. You can do this by simulating a disaster and recovering your VMs from the replicated copies.

Testing Recovery Procedure

It is important to test your disaster recovery plan regularly to ensure that it is effective. You can test your plan by simulating a disaster and recovering your VMs to IBM Cloud Virtual Servers.

To simulate a disaster, you can do the following:

- Shut down the on-premises VMs that you want to recover.
- Fail over the VMs to IBM Cloud Virtual Servers.
- Restore data from your backups.
- Validate that your VMs are functioning properly.

Once you have completed the simulation, you should review the results and identify any areas that need improvement.

Recovery Test Scenario

Here is an example of a recovery test scenario:

1. Simulate a disaster by shutting down the on-premises VMs that you want to recover.
2. Declare a disaster and activate the disaster recovery plan.
3. Log in to the IBM Cloud Virtual Servers console and verify that the replicated VMs have been created.
4. Power on the replicated VMs.
5. Connect to the replicated VMs and verify that they are functioning properly.
6. Restore data from your backups to the replicated VMs.
7. Validate that the data has been restored correctly.
8. Notify all stakeholders that the disaster recovery has been completed.

By conducting recovery tests regularly, you can help to ensure that your business is prepared to recover from a disaster.