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Project: Disaster Recovery with IBM Cloud Virtual Servers

Phase 4: Disaster Recovery with IBM Cloud Virtual Servers

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To configure replication of data and virtual machine images from on-premises to IBM Cloud Virtual Servers, you can use a variety of tools and services. One option is to use IBM Cloud Replication Services. This service provides a simple and reliable way to replicate data and virtual machines between on-premises and cloud environments.

To configure IBM Cloud Replication Services, you will need to:

1. Create an IBM Cloud account and provision a Replication Services instance.
2. Install the Replication Services agent on your on-premises servers.
3. Create a replication plan that specifies the data and virtual machines that you want to replicate.
4. Start the replication process.

Once replication is configured, IBM Cloud Replication Services will automatically replicate your data and virtual machines to the cloud.

Testing Recovery Procedures

Once replication is configured, it is important to test your recovery procedures to ensure that your disaster recovery plan works as intended. To test your recovery procedures, you can:

1. Simulate a disaster scenario by stopping or disabling your on-premises servers.
2. Fail over to your IBM Cloud Virtual Servers.
3. Verify that your data and applications are available and accessible.
4. Fail back to your on-premises servers once the disaster scenario has been resolved.

It is important to test your recovery procedures on a regular basis to ensure that they remain effective.

Example Disaster Recovery Scenario:

To illustrate how to test your disaster recovery procedures, let's consider the following example scenario:

- Your on-premises data center is experiencing a power outage.
- You have configured replication of your data and virtual machines to IBM Cloud Virtual Servers.
- To fail over to the cloud, you log in to your IBM Cloud console and start the failover process.
- Within minutes, your data and applications are available and accessible on IBM Cloud Virtual Servers.

- You continue to operate your business from the cloud until the power outage at your on-premises data centre is resolved.
- Once the power outage has been resolved, you fail back to your on-premises servers.

By testing your disaster recovery procedures on a regular basis, you can ensure that you will be able to quickly and efficiently recover from a disaster.