**DISASTER RECOVERY WITH IBM CLOUD VIRTUAL SERVERS**

**PHASE-1**

**Problem Definition:**

Disaster recovery (DR) with IBM Cloud Virtual Servers involves implementing a plan and set of strategies to ensure the availability and integrity of your IT infrastructure and data in the event of a disaster or significant disruption. The problem definition in this context refers to identifying and understanding the challenges Create a prototype or proof-of-concept (PoC) for your disaster recovery solution. This could involve setting up a simplified version of your environment in IBM Cloud. And requirements associated with setting up an effective disaster recovery solution using IBM Cloud Virtual Servers.

**Design Thinking:**

Design thinking is a human-centered approach to problem-solving that can be applied to the design and implementation of a disaster recovery solution with IBM Cloud Virtual Servers.

**1.Empathize:**

* Understand the needs and concerns of your organization's stakeholders, including business leaders, IT teams, and end-users.
* Gather insights about the current state of disaster recovery, including pain points and areas for improvement.

**2.Define:**

* Clearly define the problem statement and objectives for your disaster recovery solution with IBM Cloud Virtual Servers.
* Establish specific goals, such as RTOs and RPOs, based on business needs and regulatory requirements.

**3.Ideate:**

* Brainstorm potential solutions for disaster recovery using IBM Cloud Virtual Servers. Encourage creative thinking.
* Consider various deployment models, such as active-active, active-passive, or hybrid, and evaluate their pros and cons.

**4.Prototype:**

* Create a prototype or proof-of-concept (PoC) for your disaster recovery solution. This could involve setting up a simplified version of your environment in IBM Cloud.
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**5.Test:**

* Conduct thorough testing of your disaster recovery solution. Simulate disaster scenarios and evaluate how well your solution performs.
* Gather feedback from IT teams and stakeholders to identify any issues or areas for improvement.

**6.Iterate:**

* Based on the feedback and test results, make iterative improvements to your disaster recovery design.
* Be open to refining your solution and making necessary adjustments.

**7.Impement:**

* Once you have a well-tested and refined disaster recovery design, implement it in your IBM Cloud environment.
* Ensure that all configurations, automation scripts, and monitoring tools are in place.

**8.Monitor and Learn:**

* Continuously monitor the performance of your disaster recovery solution. Implement proactive monitoring and alerting to detect issues early.
* Learn from real-world events and incidents, and use this knowledge to further enhance your disaster recovery strategy.

**9.Engage Stakeholders:**

* Maintain open communication with stakeholders throughout the design and implementation process.
* Keep them informed about progress and any changes that may impact their roles or responsibilities.

**10.Document and Train:**

* Document the disaster recovery plan and processes comprehensively. Make it accessible to relevant team members.
* Provide training to the IT team and other staff involved in disaster recovery procedures.

**11.Feedback Loop:**

* Create a feedback loop for ongoing improvements. Encourage continuous feedback from end-users and IT teams to drive enhancements.

**12.Scale and Evolve:**

* As your organization grows or changes, be prepared to scale your disaster recovery solution accordingly.
* Regularly revisit your disaster recovery strategy to ensure it remains aligned with business objectives.