Practice Quiz: Troubleshooting & Debugging

PUNTOS TOTALES DE 5

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1. Which of the following are valid strategies for recovery after encountering service failure? (Select all that apply.)   **1 / 1 puntos**

    ☑ Switching to a secondary instance.

    ✓ **Correcto**
        Awesome! A quick way to recover is to have a secondary instance of the VM running your service that you can quickly switch to.

    ☐ Setting up monitoring and alerts.

    ☑ Restoring from backup.

    ✓ **Correcto**
        Nice job! As long as you've been keeping frequent backups, restoring a previous VM image will often get you where you need to be.

    ☑ Performing a rollback to a previous version.

    ✓ **Correcto**
        Woohoo! If the problem is related to recent changes or updates, rolling back to a previous working version of the service or supporting software will give the time to investigate further.

2. Which of the following concepts provide redundancy? (Select all that apply.)   **1 / 1 puntos**

    ☑ Having a secondary instance of a VM.

    ✓ **Correcto**

Right on! If your primary VM instance running your service fails, having a
secondary instance running in the background ready to take over can provide
instant failover.

☑ Having a secondary Cloud vendor.

✓ **Correcto**

You nailed it! Having a secondary Cloud service provider on hand with your data
in case of the first provider having large-scale outages can provide redundancy for
a worst-case scenario.

☐ Having automatic backups configured.

☐ Performing a rollback.

3. If you operate a service that stores any kind of data, what are some critical steps to   **1 / 1 puntos**
    ensure disaster recovery? (Select all that apply)

☑ Implement automated backups

✓ **Correcto**

Nice work! As long as we have viable backup images, we can restore the VM
running our service.

☐ Use redundant systems wherever possible

☑ Test backups by restoring

✓ **Correcto**

Excellent! It's important to know that our backup process is working correctly. It
would not do to be in a recovery situation and not have backups.

☐ Never delete old backups

4.

1 / 1 puntos

What is the correct term for packaged applications that are shipped with all needed libraries and dependencies, and allows the application to run in isolation?

○ Rollback

○ Secondary instance

⦿ Containers

○ Disk Image

✓ **Correcto**

Great job! Containerization ensures that our software runs the same way every time.

5. Using a large variety of containerized applications can get complicated and messy. What are some important tips for solving problems when using containers? (Select all that apply)

☑ Use extensive logging in all parts

✓ **Correcto**

Great work! As long as we have the right logs in the right places, we can tell where our problems are.

☐ Reduce the number of containers

☐ Reuse container configurations

☑ Use test instances

✓ **Correcto**

Nice job! We should take every opportunity to test and retest that our configuration is working properly.