

17 Lecture - MGT211

Important Subjective

1. **What is infrastructure testing?**

Answer: Infrastructure testing is the process of testing the underlying hardware, software, network, and other components of an IT infrastructure to ensure that they function as expected and meet the requirements of the system.

2. **What are the different types of infrastructure testing?**

Answer: The different types of infrastructure testing are:

- Performance testing
- Security testing
- Network testing
- Scalability testing
- Configuration testing
- Disaster recovery testing
- Compliance testing

3. **What are the benefits of infrastructure testing?**

Answer: The benefits of infrastructure testing include:

- Improved system performance and stability
- Reduced risk of downtime and system failure
- Improved security and compliance
- Reduced maintenance and support costs
- Improved end-user experience

4. **What is performance testing in infrastructure testing?**

Answer: Performance testing is a type of infrastructure testing that evaluates the performance of an IT infrastructure under different loads and conditions to ensure that it meets the performance requirements of the system.

5. **What is scalability testing in infrastructure testing?**

Answer: Scalability testing is a type of infrastructure testing that evaluates the ability of an IT infrastructure to handle increased workloads and traffic as the system grows and expands.

6. **What is configuration testing in infrastructure testing?**

Answer: Configuration testing is a type of infrastructure testing that evaluates the configuration settings of the underlying hardware, software, and network components to ensure that they are properly configured and optimized for the system.

7. **What is disaster recovery testing in infrastructure testing?**

Answer: Disaster recovery testing is a type of infrastructure testing that evaluates the ability of an IT infrastructure to recover from a disaster or system failure and resume normal operations.

8. **What is compliance testing in infrastructure testing?**

Answer: Compliance testing is a type of infrastructure testing that evaluates the IT infrastructure against regulatory and industry standards to ensure that it meets the required compliance requirements.

9. **What are the challenges of infrastructure testing?**

Answer: The challenges of infrastructure testing include:

- Complexity of the IT infrastructure
- Limited access to production environments
- High costs of testing hardware and software
- Difficulty in simulating real-world scenarios

10. **How can infrastructure testing be integrated into the software development process?**

Answer: Infrastructure testing can be integrated into the software development process by incorporating it into the continuous integration and continuous deployment (CI/CD) pipeline and automating the testing process using tools and frameworks such as Ansible, Terraform, and Docker.