

## **Questionnaire for DevOps / Application Development Team about Design & Infra**

### **Application Architecture:**

- a. How is our application structured? (e.g., monolith, microservices, serverless)
- b. Which components are involved and what are their roles?
- c. Are there any third-party services or integrations we should be aware of?

### **Servers & Infrastructure:**

- a. What types of servers are being used? (e.g., physical, virtual, cloud instances)
- b. Could you provide a list of all the servers with their roles and specifications? (e.g., web servers, database servers, caching servers)
- c. Are there any particular configurations, optimizations, or customizations on these servers that the testing team should be aware of?

### **Software & Tools:**

- a. What are the operating systems running on our servers?
- b. Which databases are we using? (versions and configurations)
- c. What software/tools are installed on our servers? (e.g., web servers like Apache or Nginx, middleware, etc.)
- d. Are there any scheduled tasks or cron jobs running that we should be aware of?

### **Network & Connectivity:**

- a. How is our internal network structured? (e.g., subnets, VLANs)
- b. Are there any firewalls, load balancers, or proxy servers in place?
- c. How is our application accessing external resources or third-party services?
- d. Are there any network-level restrictions or configurations (e.g., rate limiting, IP whitelisting) in place?

### **Security & Compliance:**

- a. Are there any security tools or software in place? (e.g., WAF, IDS/IPS)
- b. How is data encrypted at rest and in transit?
- c. Are there any security compliance protocols or certifications we adhere to? (e.g., PCI-DSS, HIPAA)

### **Monitoring & Alerts:**

- a. What monitoring tools are in place? How are they configured?
- b. How are alerts set up, and how do they escalate?
- c. Are there any logs that can be accessed by the QA team for troubleshooting?

### **Backup & Disaster Recovery:**

- a. What's our backup strategy? (frequency, type, and location of backups)
- b. How often are backups tested for integrity?
- c. What's our disaster recovery plan and how frequently is it tested?

### **Release & Deployment:**

- a. How is the application deployed to production?
- b. Are there any tools or scripts that automate this process?
- c. What strategies are in place for rollbacks or hotfixes?