

Interview Questions

ExxonMobil Global Services Company

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Azure DevOps

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# Job Description

## Job Role Summary

The individual will work with company’s infrastructure and software engineering teams to develop, automate, implement, and improve cloud and onsite infrastructure related to our applications.

This position would be part of an agile team and requires coordination and collaboration with software developers in automating secure CI/CD pipelines.

This position will also assist and work with numerous teams within the organization.

This position will also assist and work with the support team to maintain our servers across platforms.

## Responsibilities

• Work with team to configure automated testing and deployment of software

• Develop and manage scripts and tools for monitoring, alerting, configuration management, and automation for on premise and cloud-based applications

• Participate in evaluating existing systems and processes to identify improvements and updates that keep them running in optimal conditions.

• Participate in end-to-end troubleshooting with internal and external groups of support

• Implement reusable components

• Document findings and create tutorials/how-to guides for issues/maintenance/etc.

• 4+ years of experience in a Python, JavaScript, PowerShell (required for one of), node or similar development environment is required.

• Understanding of REST API

• Proficient understanding of code versioning tools such as Git

• Professional experience and a high-level understanding of working with various operating systems and their implications

• Azure Experience is Must

• Proficient in English (written & verbal)

# Interview Questions

1. Introduce yourself and about your work experience
2. Have you created ADO pipeline for .Net application? If yes, what are the tasks/steps needed for .Net project to create and configure ADO pipeline in Azure DevOps?
3. Any integration tools used ADO pipeline for scanning code quality, bugs, vulnerability, etc.?
4. What is SonarQube? What are the tasks used for SonarQube in ADO pipeline in Azure DevOps?
5. Any scripting used in ADO pipeline for validation? Powershell? Why we use powershell in ADO pipeline for validation?
6. What is artifacts in Azure DevOps pipeline?
7. What is published artifacts in ADO pipeline? How can we publish artifacts in ADO pipeline?
8. If we don’t want to publish artifacts in ADO pipeline, how can we configure it?
9. What is an agent in Azure DevOps? How agents can be configured? Why we use agents?
10. What is agent pool in Azure DevOps?
11. What are the capabilities in agents? Can we have same capabilities configured in all agents within agent pools?
12. If 10 ADO pipelines are consumed for 10 agents within one agent pool and 11th ADO pipeline gets triggered by someone what will happen?
13. What are branching strategies in Azure DevOps?
14. What is CI? How to apply trigger in Azure DevOps pipeline? Can we apply CI for all branches in Azure DevOps pipeline?
15. What are the benefits of using separate CI and CD pipeline?
16. Any deployment done using release pipeline for .Net application on On-prem or Azure cloud services web apps?
17. What are the tasks needed to configure in release pipeline for .Net project? Which tasks are used for the deployment of .Net project in pipeline?
18. What are deployment patterns?
19. What is monorepo?
20. If the application team is using their .Net application and they want to use Azure DevOps repos, pipelines for building and deploying code to environments. What is the process that needs to gather information from application team and to help them to use Azure DevOps pipelines for their .Net application?

