.NET Core Microservices – True Ultimate Guide

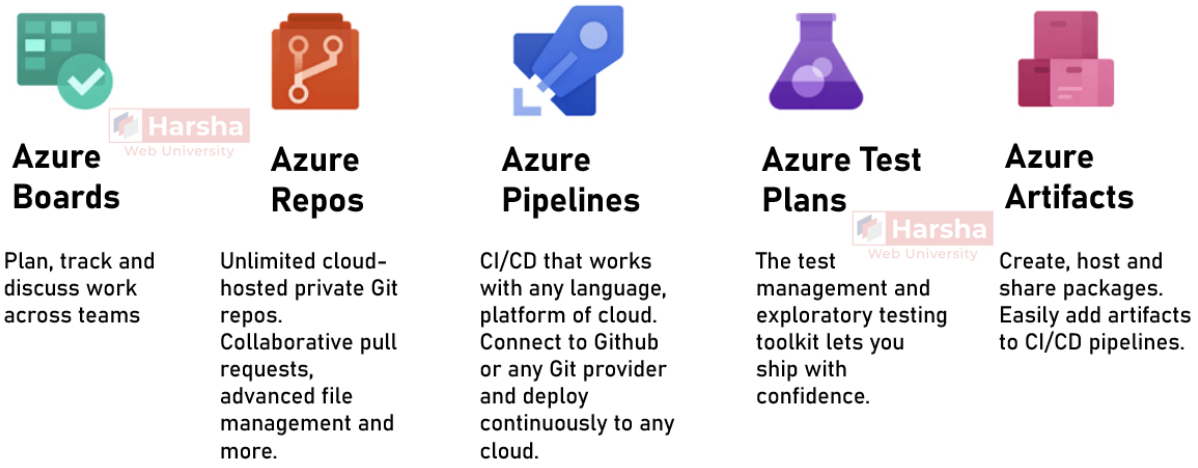
Section 14 – Azure DevOps (CI/CD Pipelines) – Cheat Sheet

Introduction to Azure DevOps

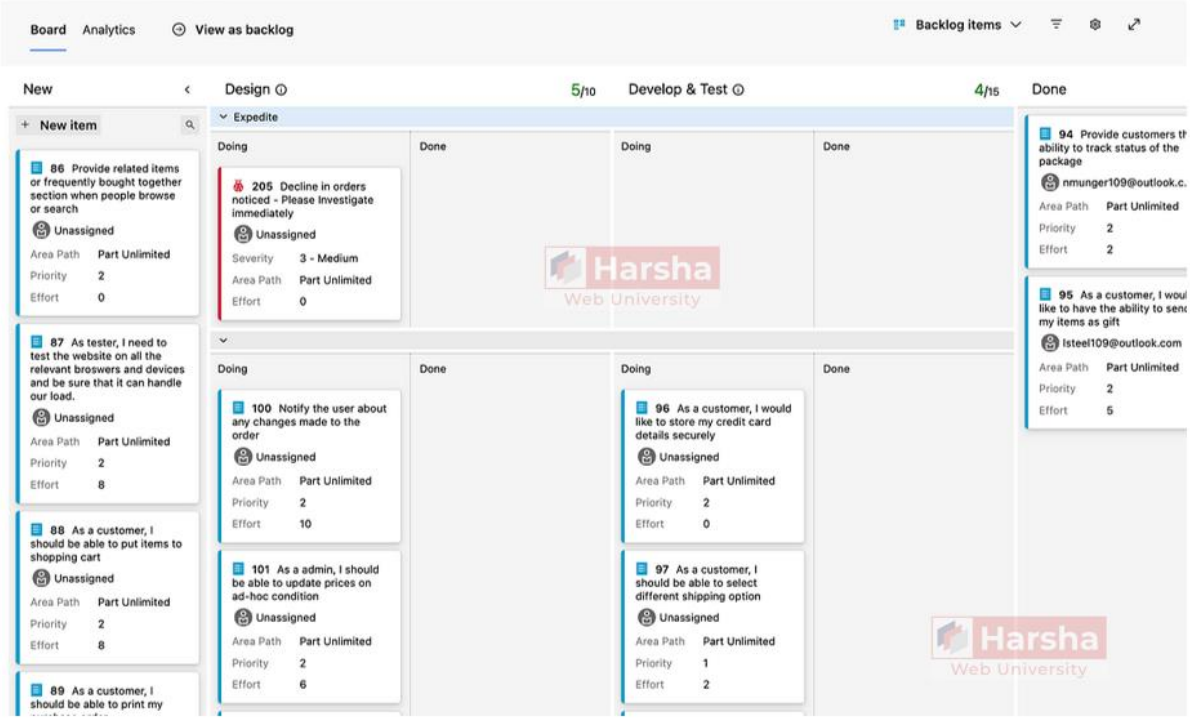
Azure DevOps is a set of tools from Microsoft that helps teams to plan, develop, test, and deploy software efficiently.

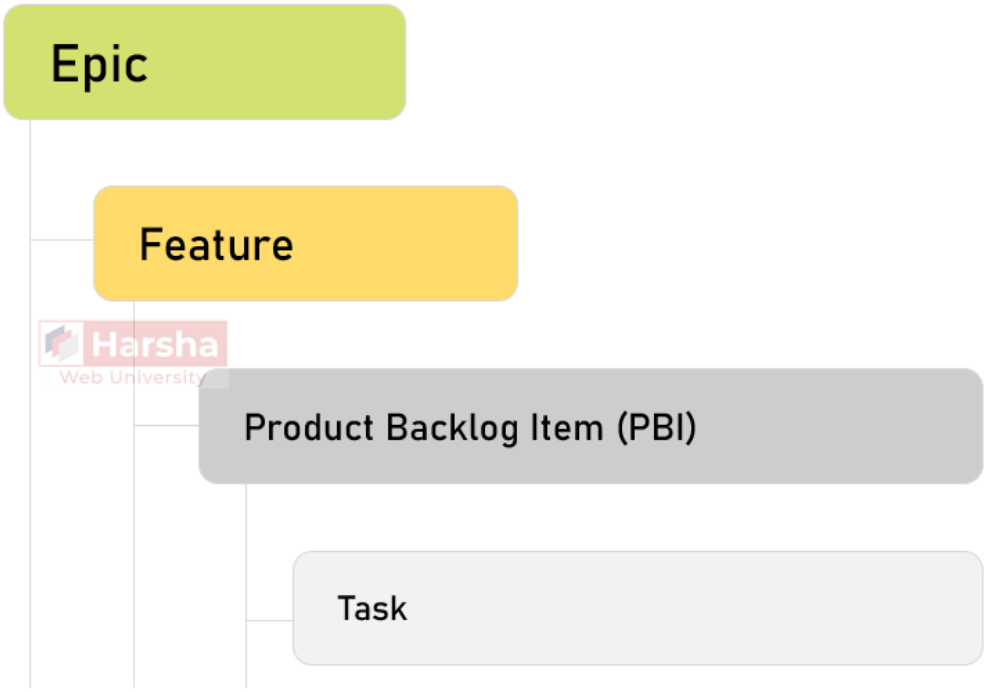
It integrates with various development practices and supports automation, collaboration, and tracking throughout the software lifecycle.

Azure DevOps Services

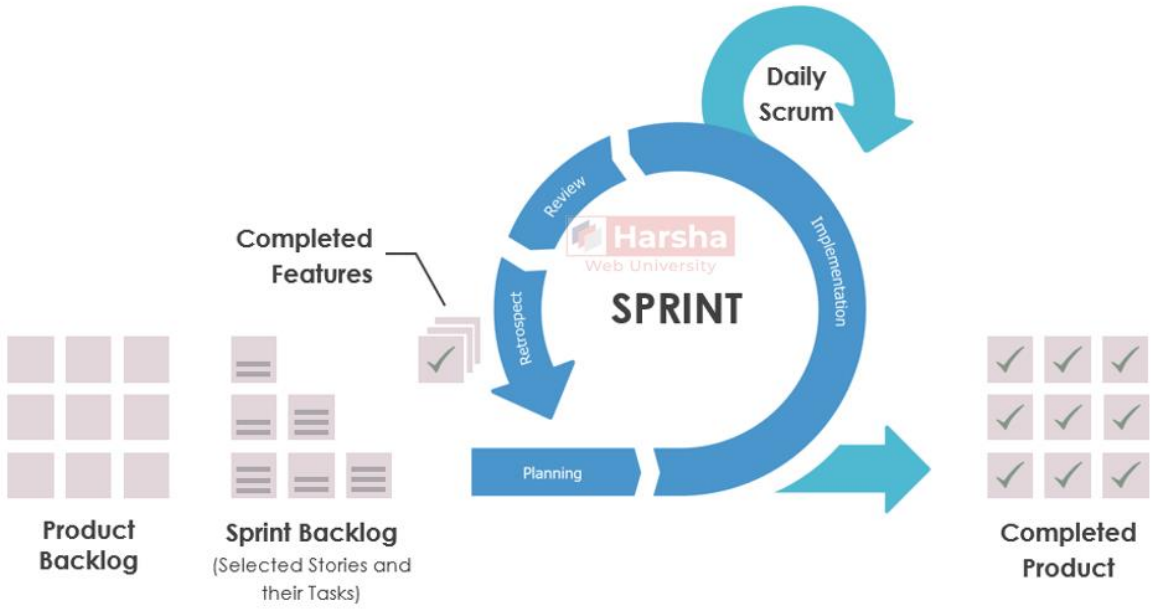


Azure Boards





Scrum - Sprints



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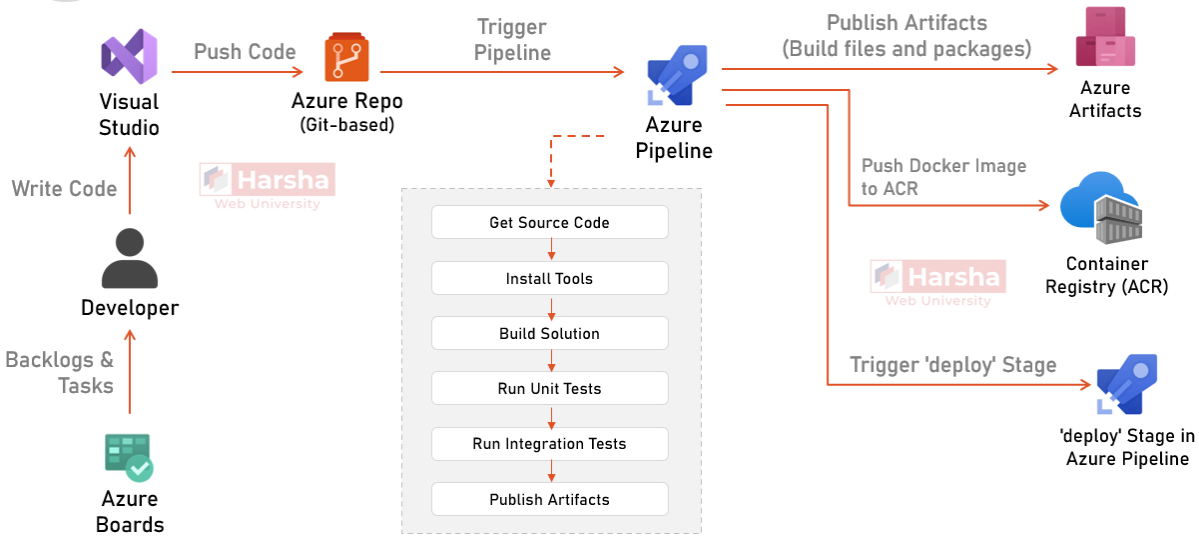
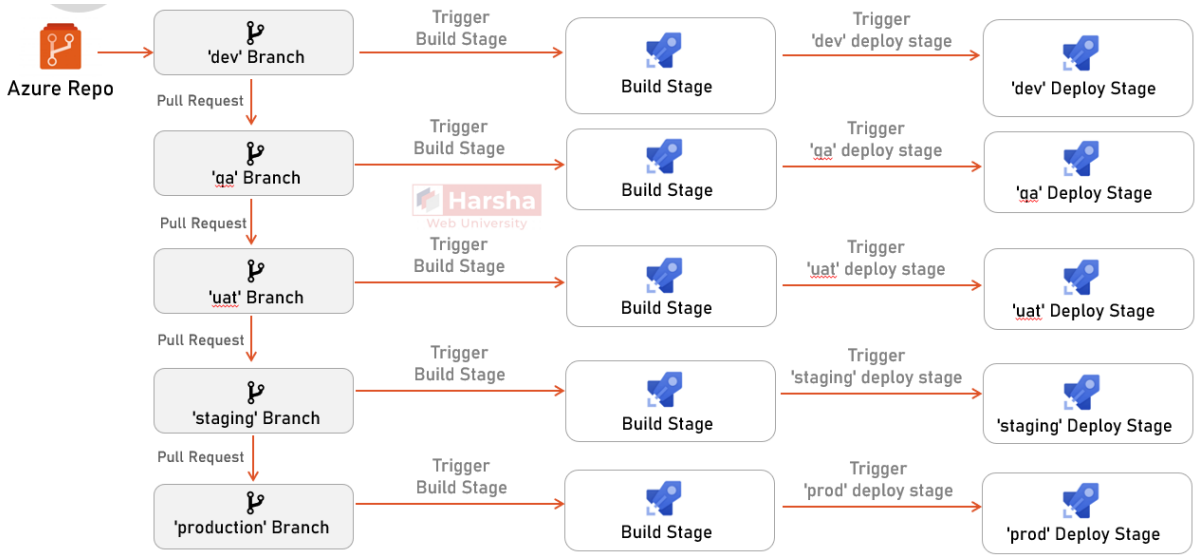
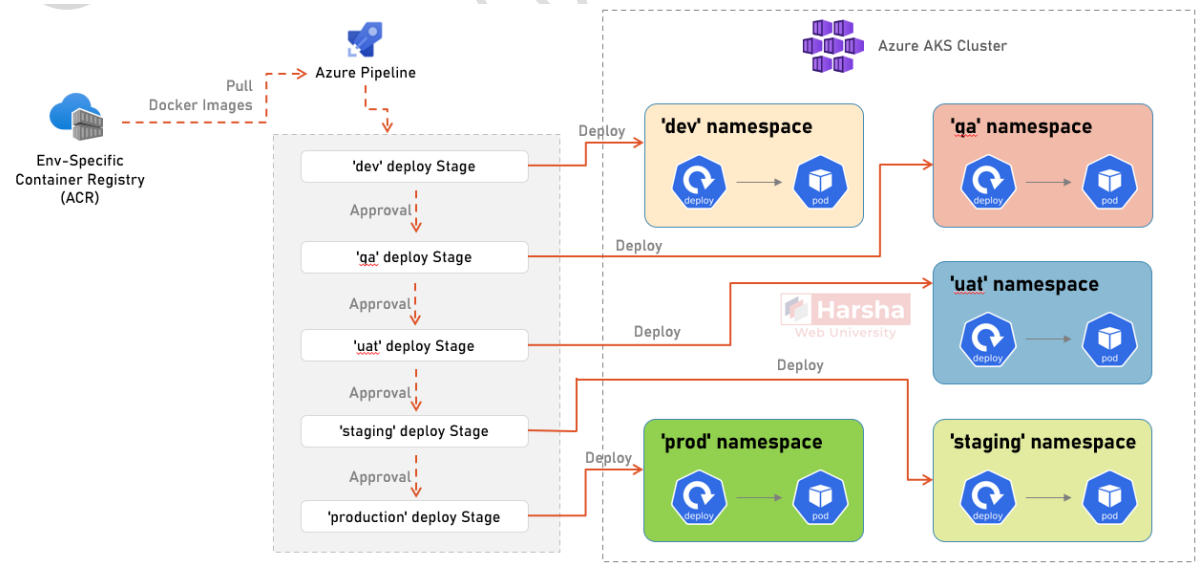
Azure DevOps Workflow - CI



Env-specific pipeline stages



Azure DevOps Workflow - CD

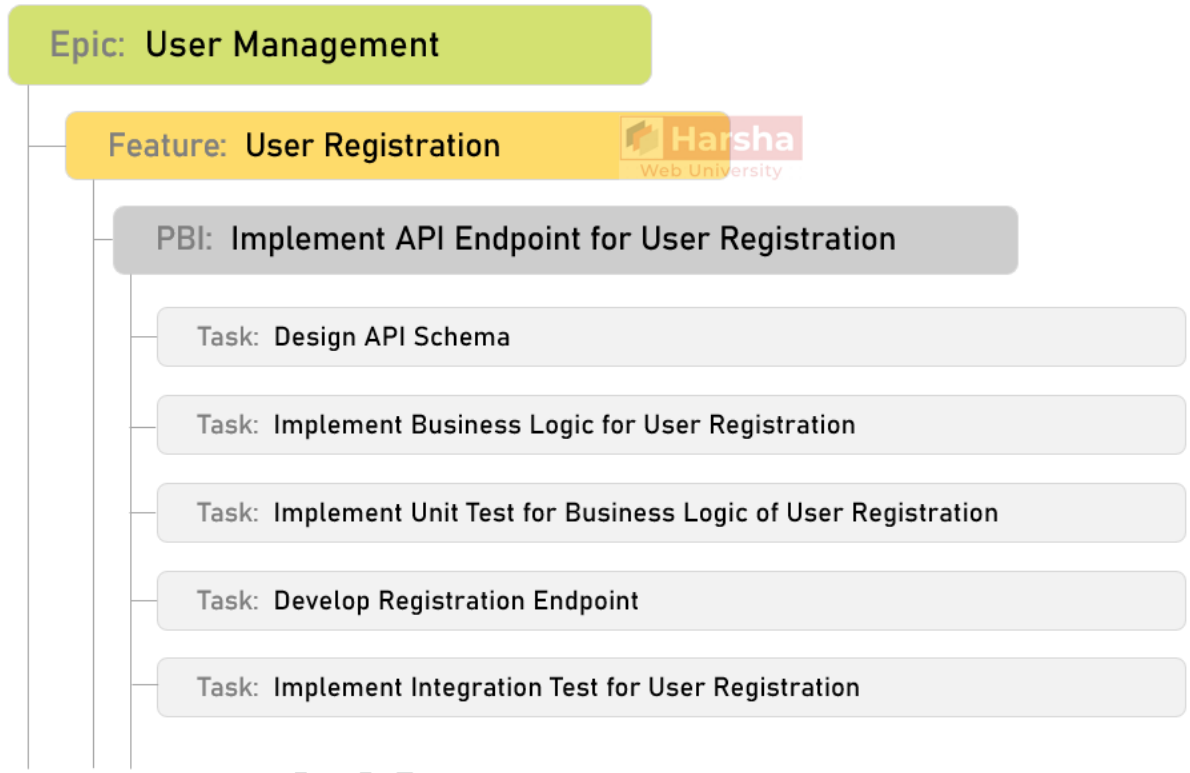


Azure DevOps - Project

An Azure DevOps project is a container for managing your software development lifecycle, including planning, coding, building, testing, and deploying applications.

It provides tools for version control, work item tracking, and continuous integration/continuous deployment (CI/CD).

Azure Boards



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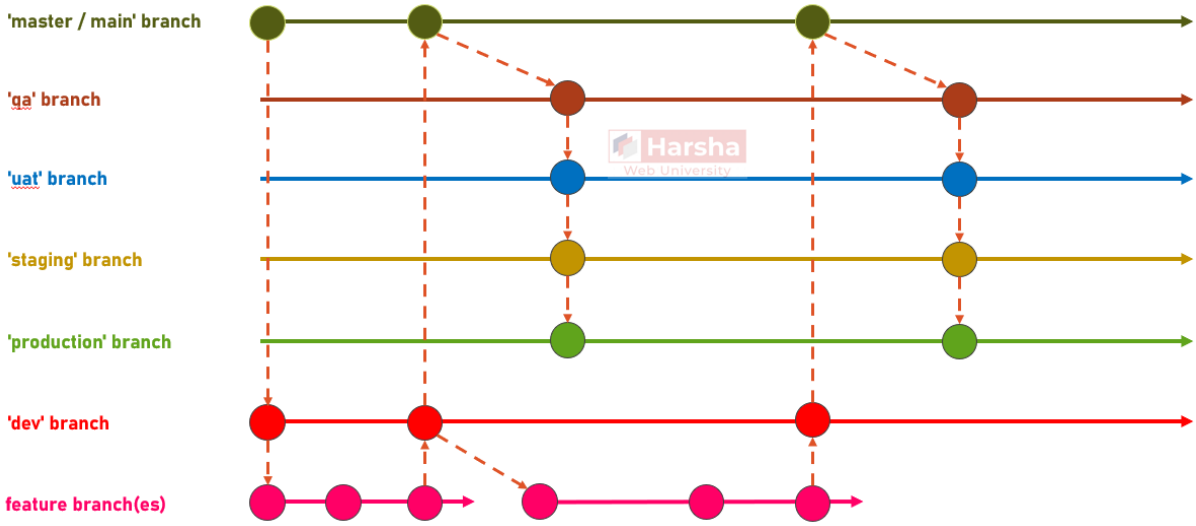
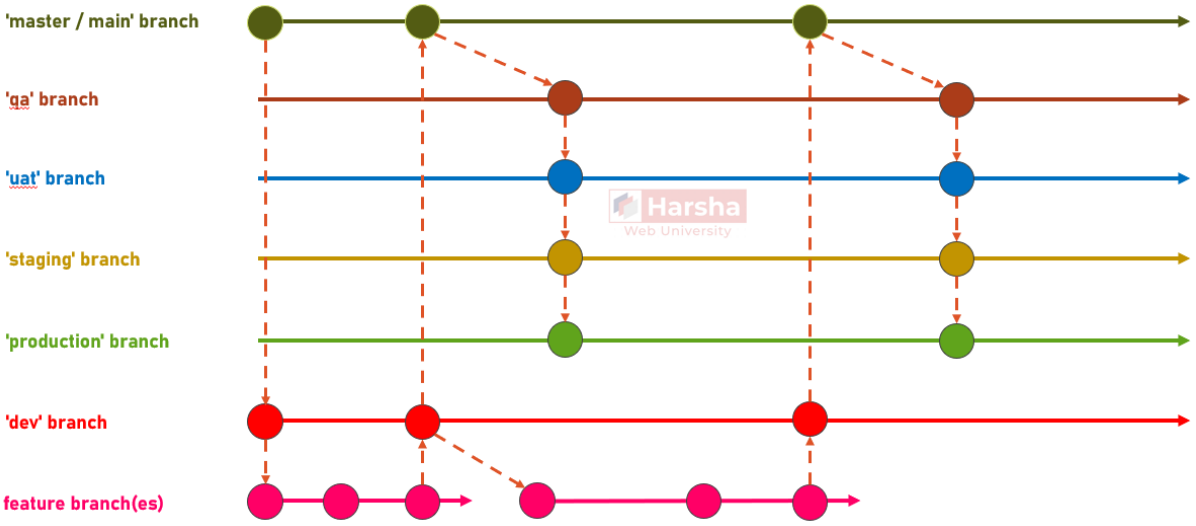
Azure Repos

Azure Repos - Branches

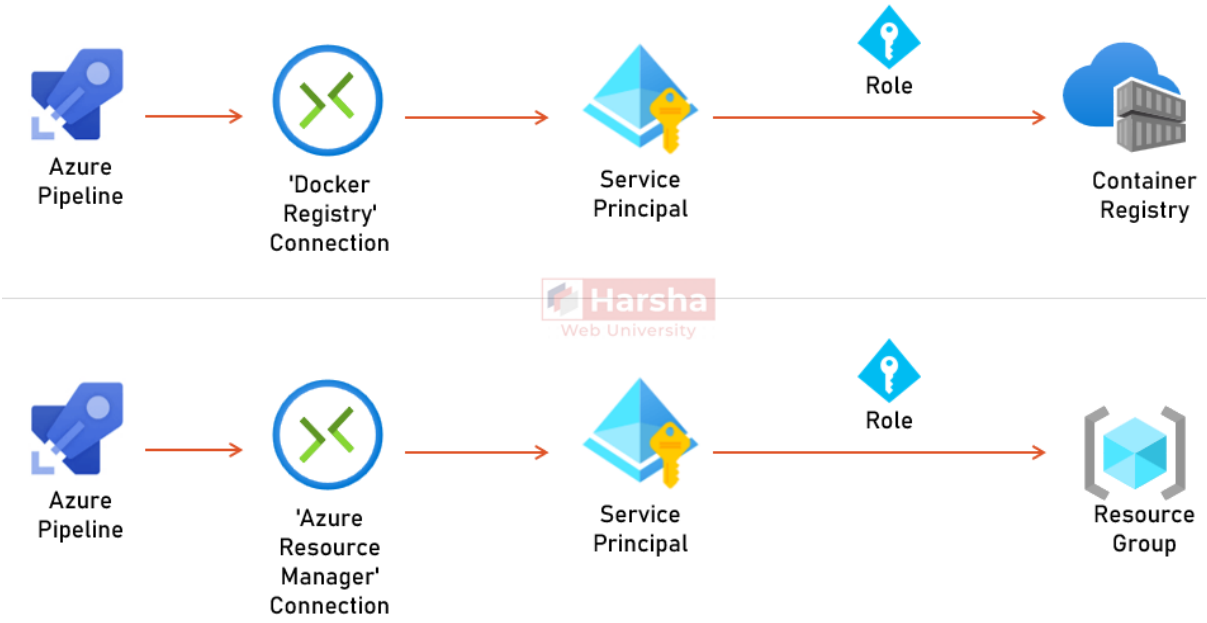


Azure Repos - Branches and Pull Requests

Azure Repos - Branches



Azure DevOps - Service Connections



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Azure DevOps - Tests in Pipeline

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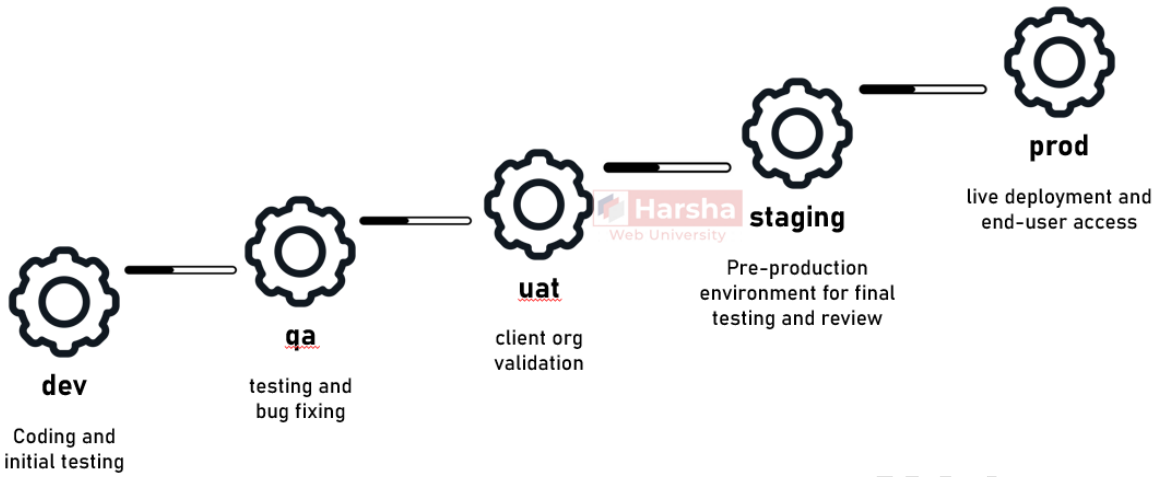
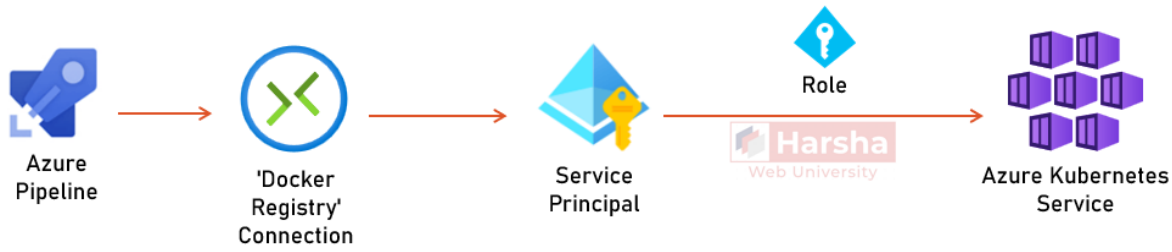
Azure DevOps - Environments



Azure DevOps - Service Connections



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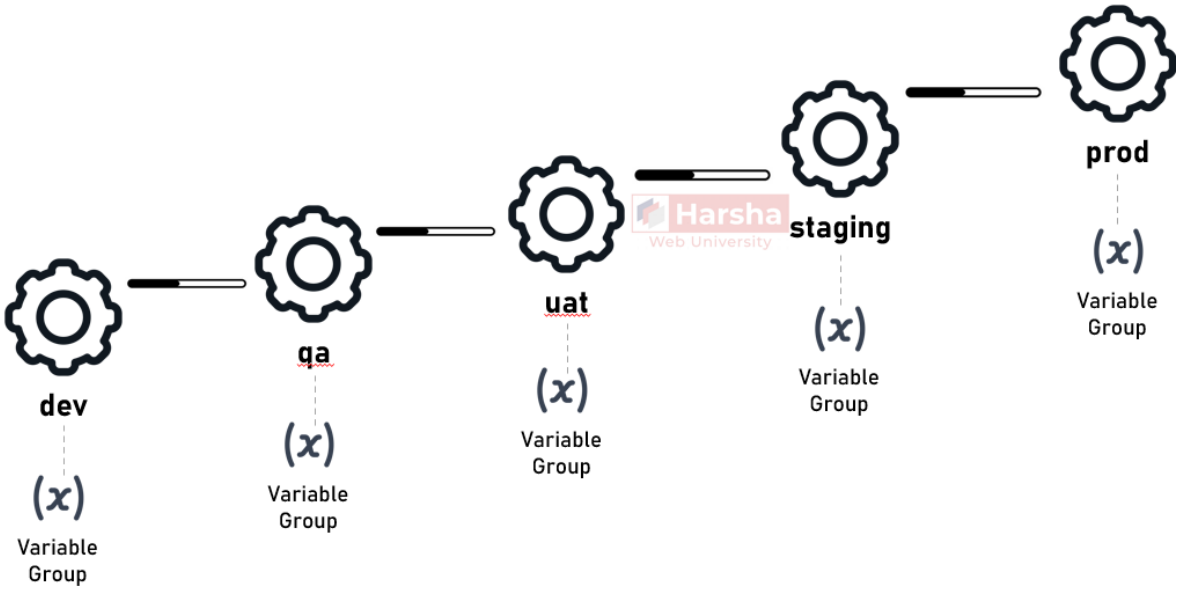
Azure DevOps - Variable Groups



Azure - KeyVault

Azure Key Vault is a cloud service for securely storing and managing sensitive information like secrets, keys, and certificates.

It provides centralized access control, encryption, and auditing, ensuring that critical data is protected and only accessible by authorized applications and users.