Azure DevOps

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Project Management (Boards)

- Boards
  - Work Items
    - Process Template
    - Work Item Types (WITs)
      - Epics
      - Features
      - Users Stories
      - Task
      - Bug
      - Issues
      - ...
    - WITs Assignments
    - Linked Work Items
    - Manage / Review Related / Dependent Work
    - Customize Work Items
    - Queries
  - Kanban Boards
    - Visualize WITs workflow
    - Add / Link Work Items
    - Manage Work Items
    - WIP Limits
  - Backlogs
    - Define Back Logs
    - Estimates Backlogs
    - Forecast
  - Sprint Planning
    - Capacity Planning
    - Backlog Reviews
    - Assign Backlogs to Sprint
    - Review Sprints Progress
  - Delivery Plan
    - Visualize Delivery Milestones
    - Portfolio Management
  - Dashboard
    - Create / Configure Dashboard
    - Review Project Reports
    - Add / Configure Widgets
    - Share, Clone, Copy Dashboard
  - Wiki
    - Create Wiki Page
    - Markdown Content
    - Project Documentation
    - Publish Code as Wiki

Source Code Management (Repos)

- Repository Management
  - New Repository
  - Import Repository
  - Managing Repository
    - Security
      - Access Control
      - User Permission
    - Repositories Policies
      - User Validation
      - Path Validation
      - Reserved Name Validation
      - File Size Validation
    - Repository Settings
      - Enable / Disable Repository
      - Default Branch Name
      - Allowing Forks
      - User Preference
- Managing Code
  - Pull Request
  - Push
  - Branches
    - Brach Policy
    - Clone
  - Code Review
  - Commit
  - Tags
  - Fork
  - Git
    - Git Workflow
    - Git Commands
    - Visual Studio / VS Code / Other IDE & Git Integration

Build and Release Management Pipeline (CI&CD) (Pipeline)

- Build Pipeline
  - Build Agents
  - Build Task
    - Variables
      - Pipeline Variable
      - Variable Group
    - Tasks
      - Project Type Specific Task
      - NuGet Restore
      - Code Analysis
      - Code Quality
      - Other Specific Task
      - Automation Task
    - Task Group
  - Build Triggers
  - Run Pipeline
  - Build Artifacts
- Release Pipeline
  - Create Release
  - Artifacts Link
  - Trigger
    - Automated
    - Manual
  - Stages
    - Dev
    - QA
    - UAT
    - Prod
    - Deployment Environments
      - Service Connection
        - Connect with Azure / Cloud Platforms
      - Deployment Task
      - Task Groups
      - Deployment Agents
      - Deployment on Platform
        - App Center
        - Azure PaaS / SaaS
        - On Premises
        - Docker / Kubernetes
        - Other Cloud Platforms
      - Automation Test Execution
        - Test Plan Execution
        - Test Results

Testing & Automation (Test Plans)

- Test Suites
- Test Plan
  - Automation
    - Execution with Pipeline
  - Manual
- Test Reports
  - Track Test Status
  - Connect With Kanban Boards
  - Review Reports
- Load Test
- Test Case
- Test Run
  - Execute Test Cases
  - Report Bug
  - Automation Execute in Pipeline
- Access Control
  - Manage Test Plans
  - Manage Test Suites
  - Manage Test Environments
  - Manage Test Controller
- Performance Testing
  - Performance Test
  - Execute Testing After Deployment

Package Management (Artifacts)

- Manage Package
  - Nuget
  - Npm
  - Marven
  - Python Packages
- Integration with CI&CD Pipeline
  - CI/CD
  - Versioning
  - Testing
  - Deployment
  - Cache Managements
- Tools Integration
- Feeds
  - Project Scope
  - Organization Scope
  - Manage Feeds
    - Create Feeds
    - Delete Feeds
    - Restore Feeds

Administration

- Organization Settings
  - Create Project
  - Role Assignments
    - Collection Administrator
    - Project Administrator
    - Team Member Assignments
  - Billing Management
  - Auditing
  - Global Policies
  - Process
  - Agent Pool
  - User Management
    - User Roles / License
      - Basic
      - Stakeholder
      - VS Subscription
- Project Settings
  - Roles
  - Project Configuration
  - Team Configuration
  - Agent Pool
  - Projects Teams
  - Service Connections for Projects
- Process Customization
  - Process Template
  - Create Inherited Process Template
  - Custom Work Items
  - Custom WIT States and Validation
  - System Level Process Customization
    - Azure DevOps API
- Private Previews
  - Enable / Disable Private Features

Extending Azure DevOps

- Azure DevOps APIs
  - Custom Applications
  - DevOps Customization
  - Process Customization
  - Custom Extension Development
- Azure DevOps Extension
  - Extension Development
    - Develop : JavaScript, HTML, CSS
    - Connect : Azure DevOps API
    - Publish : Extension
      - Private To Your Organization
      - Azure DevOps Marketplace