



DEVOPS JUMPSTART

The term **DevOps** has become synonymous with the new way of developing and deploying applications into the cloud. Adopting a **DevOps** approach will move your focus to building pipelines to manage all aspects of an application deployment, up to and including all the necessary infrastructure, governance and security requirements in a standard, repeatable way.

SHI's turnkey solution built on **Azure DevOps** provides best practices and training for the deployment and management of **Azure DevOps Services** to optimize application automation. It provides appropriate security, governance and required policies for modern applications.

What we do:

Workshop

- Baseline terminology and UI
- Understand Azure DevOps fundamentals
- Set up an Organization, Teams and Project
- Set up Feature and Epic
- Set up User Story
- Establish relevant Query
- Review YAML files

Implement

- Set up Azure account (if needed)
- Create an Azure project
- Configure agile framework
- Configure pipeline skeleton
- Design trunk, branching and merging strategy to support product development
- Design step-by-step CI flow and scripts needed
- Automate software builds and packaging deployment scripts
- Validate starting, executing and reporting of basic builds test verification
- Implement security and load testing capability

Documentation

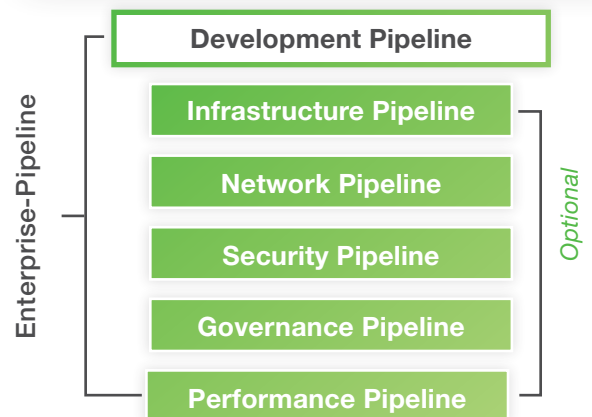
- Populate Wiki (in Azure DevOps)

BENEFITS

- Realize time to value for adopting a DevOps approach
- Accelerate application development and deployment lifecycles
- Build quality and consistency into an automated build and release process
- Governance and compliance enforcement
- Increase speed to market
- Reduce OpEx and costs
- Security considerations built-in

DELIVERABLES

- 2 Week Engagement
- Deploy and configure resources to support testing framework
- Enable and configure performance testing for pre-defined use case
- Documentation of configuration provided
- Documentation of pipeline configuration and best practices for pipeline design
- Documentation of best practices for repository and branching methodology
- "Modernized" Sample App



To learn more, please contact Cloud@SHI.com.

Adopting a DevOps approach is not only beneficial as you move to modernize your application delivery, but will enable your business to respond quickly to changes needed to maintain a competitive edge over your competition. With the ability to fail fast and to recover just as fast, the DevOps pipeline framework enables teams to rapidly test/deploy and innovate.

By partnering with SHI's DevOps experts, we will accelerate your time to value and provide you with training on best practices and lessons learned enabling a DevOps practice at scale in large enterprises.

CLOUD NATIVE AGILE DEVELOPMENT ENABLED IN 2 WEEKS.

What is Azure DevOps?

Azure DevOps provides developer services to support teams as they plan work, collaborate on code development, and build and deploy applications. Azure DevOps offers an integrated set of features that you can access through your web browser or IDE client. You can acquire one or more of the following services based on your business needs:

Azure Repos provides Git repositories or Team Foundation Version Control (TFVC) for source control of your code.

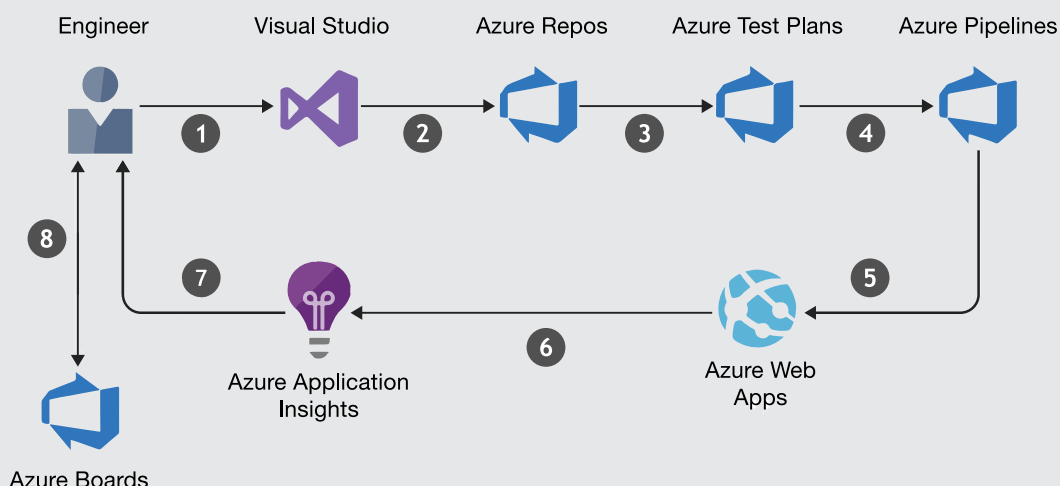
Azure Pipelines provides build and release services to support continuous integration and delivery of your apps.

Azure Boards delivers a suite of Agile tools to support planning and tracking work, code defects, and issues using Kanban and Scrum methods.

Azure Test Plans provides several tools to test your apps, including manual/exploratory testing and continuous testing.

Azure Artifacts allows teams to share Maven, npm and NuGet packages from public and private sources and integrate package sharing into your CI/CD pipelines.

Collaboration tools include customizable team dashboards with configurable widgets to share information, progress and trends, built-in wikis for sharing information, configurable notifications and more.



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