DevOps Services for Azure

Microsoft Business Unit

Enterprises today realize the need to accelerate digital transformation—to maximize business value and customer satisfaction. Agile methodologies and DevOps practices can help. Using them, businesses can quickly and securely deploy applications, infrastructure, and data platforms on cloud, fast-tracking their transformation and unlocking value at speed.
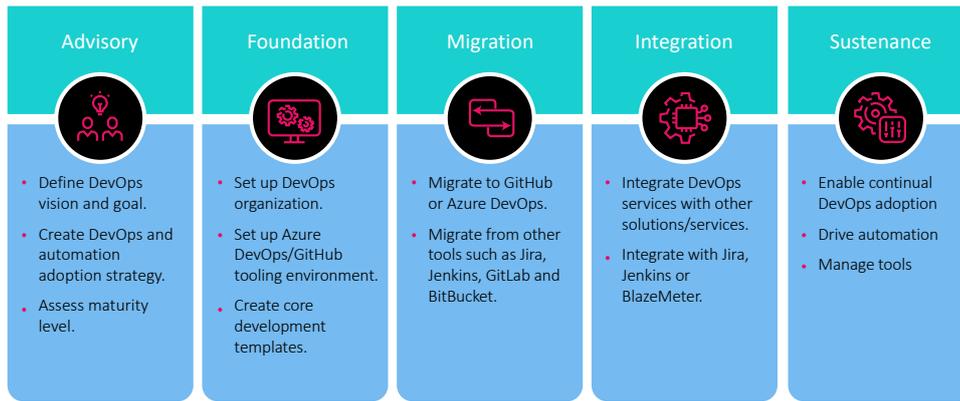
TCS' DevOps Services for Azure is a suite of solutions that provides advisory, implementation, migration and sustenance services for adopting DevOps for applications hosted on Azure by leveraging the GitHub and the Azure DevOps umbrella of products. Enabled by TCS' DevOps engineers, who are highly skilled in implementing DevOps solutions with GitHub and the Azure DevOps, it brings the added advantage of our in-house accelerators for maturity assessment, adoption and migration.

Overview

Enterprises are looking for an agile and automated DevOps service that can help in planning, development, deployment and management of applications and infrastructure in a secure manner. The manual deployment of applications and infrastructure on cloud often results in poor productivity, a high human error rate, and longer deployment cycles. What enterprises need are proprietary solutions, lean development methods and a culture change for a successful digital transformation.

TCS' DevOps Service for Azure helps enterprises to continually plan, develop, deploy, and monitor applications and infrastructure on Azure. By leveraging TCS' robust DevOps frameworks and implementation services developed for the Azure DevOps and GitHub suites of products, enterprises can overcome technical hurdles, reduce their technical debts and improve efficiencies.

Advisory	Foundation	Migration	Integration	Sustenance
• Define DevOps vision and goal. • Create DevOps and automation adoption strategy. • Assess maturity level.	• Set up DevOps organization. • Set up Azure DevOps/GitHub tooling environment. • Create core development templates.	• Migrate to GitHub or Azure DevOps. • Migrate from other tools such as Jira, Jenkins, GitLab and BitBucket.	• Integrate DevOps services with other solutions/services. • Integrate with Jira, Jenkins or BlazeMeter.	• Enable continual DevOps adoption • Drive automation • Manage tools

TCS' DevOps Services helps fast-track digital transformation.

Our Solution

TCS' DevOps Services for Azure brings together several capabilities that allows enterprise to drive greater customer satisfaction through:

Operating model transformation: Suggest and implement a fit-for-purpose operating model that is efficient, fosters collaborative working, and drives maximum returns on investments from Azure cloud platform capabilities.

Azure DevOps implementation: Plan, develop, provision, deploy, and manage applications and infrastructure in a governed manner to facilitate end-to-end automation and ensure security.

Azure data platform DevOps and MLOps: Implement DevOps and MLOps for Azure data platform and AI for automated provisioning of data services, deploying and updating schema, ML model life cycle management and creation of a collaborative workspace for data scientists.

Easy migration and integration: Migrate existing DevOps tools such as legacy Team Foundation Service deployment to Azure DevOps and GitHub; integrate Azure DevOps with third-party tools to enhance capabilities.

Benefits

TCS DevOps Services for Azure is a comprehensive solution that enables enterprises to:

Create value with business and IT alignment: Enhance stakeholder collaboration by implementing a fit-for-purpose operating model for delivering DevOps services. Accelerates automation of development and deployment of applications, infrastructure, data and AI solutions to deliver robust and quality cloud-native software solutions.

Achieve faster go to market: Accelerates application development by using reusable templates, solution skeletons, and libraries on Azure; provides a single-view platform to develop, deploy and monitor code for faster process management; and ensures compliance through security best practices.

Develop robust DevOps solution and practices: Leverages TCS' deep experience and expertise in adopting Azure DevOps and GitHub to enable a modern, forward-looking DevOps solution for applications.

Why TCS

When you partner with us, you can make the most of our key differentiators to create business value at speed.

Proven tools and solution accelerators with vast experience: An early adopter of Microsoft Azure DevOps and GitHub product suite, TCS has implemented DevSecOps for clients across various industries and geographies. Our in-house accelerators such as Azure DevOps Toolkit and Azure Developmental Factory will enable you to spend less effort on migration and achieve faster time to market.

Technology expertise: TCS is an Azure Expert Managed Services Provider recognized with a Microsoft Partner Network Gold Competency when it comes to DevOps. Our large pool of Microsoft Certified Azure DevOps experts helps you deliver end-to-end DevSecOps services on Microsoft Azure. You can also take advantage of expert guidance available from Microsoft on need basis to manage and overcome challenges in similar migrations.

Market-driven solution: TCS' unique and bespoke solution, built on the Microsoft cloud platform, provides a one-stop shop for our clients to procure any and every service of Azure DevOps and GitHub.

Strategic partnership: Our 360-degree partnership with Microsoft and participation in the Early Adopter Program enables us to secure early access to upcoming Azure products and newer features for existing products that are available to all our clients.

Awards and accolades

Contact

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bout Tata Consultancy Services Ltd (TCS)

Tata Consultancy Services is a purpose-led transformation partner to many of the world's largest businesses. For more than 50 years, it has been collaborating with clients and communities to build a greater future through innovation and collective knowledge. TCS offers an integrated portfolio of cognitive powered business, technology, and engineering services and solutions. The company's 500,000 consultants in 46 countries help empower individuals, enterprises, and societies to build on belief.

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