

# Day 48

## What Is DevOps

DevOps is a set of practices, tools, and a cultural philosophy that automate and integrate the processes between software development and IT teams. It emphasizes team empowerment, cross-team communication and collaboration, and technology automation.

## How does DevOps work?

A DevOps team includes developers and IT operations working collaboratively throughout the product lifecycle, in order to increase the speed and quality of software deployment. It's a new way of working, a cultural shift, that has significant implications for teams and the organizations they work for.

Under a DevOps model, development and operations teams are no longer "siloes." Sometimes, these two teams merge into a single team where the engineers work across the entire application lifecycle — from development and test to deployment and operations — and have a range of multidisciplinary skills.

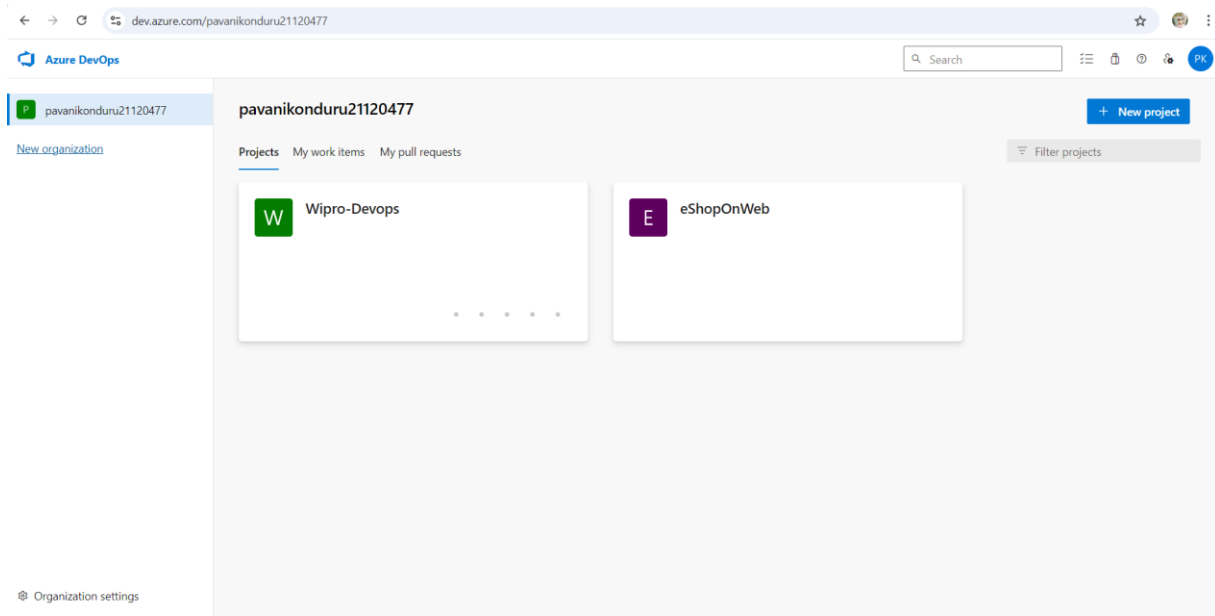
DevOps teams use tools to automate and accelerate processes, which helps to increase reliability. A DevOps toolchain helps teams tackle important DevOps fundamentals including continuous integration, continuous delivery, automation, and collaboration.

DevOps values are sometimes applied to teams other than development. When security teams adopt a DevOps approach, security is an active and integrated part of the development process. This is called DevSecOps.

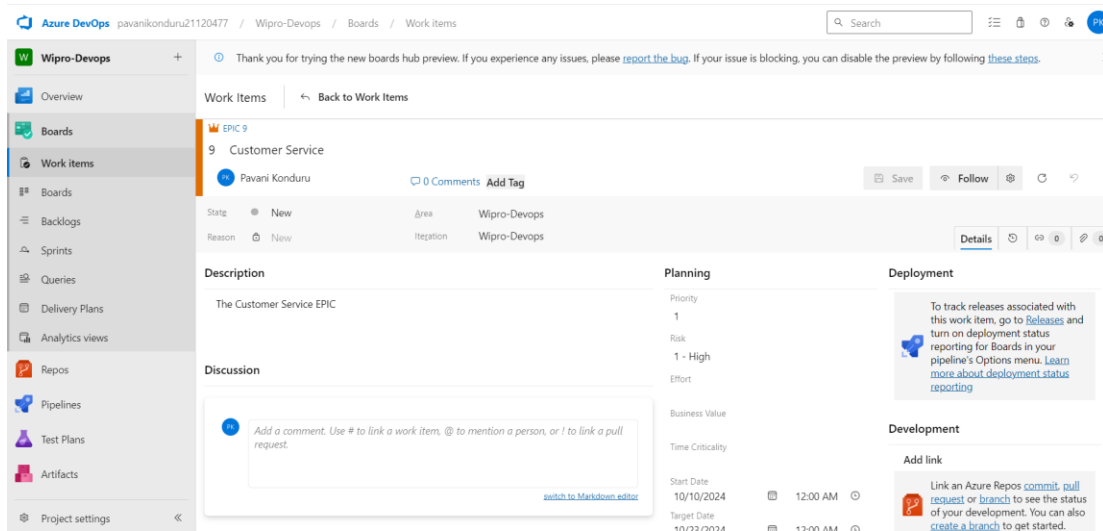
## The DevOps lifecycle

Because of the continuous nature of DevOps, practitioners use the infinity loop to show how the phases of the DevOps lifecycle relate to each other. Despite appearing to flow sequentially, the loop symbolizes the need for constant collaboration and iterative improvement throughout the entire lifecycle.

## Creating a new Devops project:



## Creating an EPIC in devops:



Work items						
Recently updated ▾   + New Work Item ▾   ➔ Open in Queries   Column Options   Import Work Items   Recycle Bin						
Filter by keyword						
Types ▾   Assigned to ▾   States ▾   Area ▾   Tags ▾   X						
ID	Title	Assigned To	State	Area Path	Tags	
9	Customer Service	Pavani Konduru	New	Wipro-Devops		

Fig-1: Epic Created



TASK 31

31 Software Engineer

Pavani Konduru

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State

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Area

Wipro-Devops

Reason

New

Iteration

Wipro-Devops

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Details

3

0

request or branch

to see the status of your development. You can also create a branch to get started.

4

Implementation

Integrated in Build

<None>

Related Work

Add link

Parent

17 Track Packages

Updated 2h ago New

Child

33 Edit or cancel orders

Updated 1h ago New

32 Track Packages

Updated 1h ago New

**Fig-4: Creating a Tasks**

## Creating a Payment Screen EPIC:

EPIC 34

34 Payment Screen

Pavani Konduru

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Classification

Value area

Business

Related Work

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Child

38 Cash on Delivery

Updated 32m ago New

35 Credit card Payments

Updated 35m ago New

36 Internet Banking Payments

Updated 34m ago New

47 Payment Processing Implementa...

Updated Just now New

37 UPI Payments

Updated 33m ago New

## Creating a Feature:

FEATURE 35

35 Credit card Payments

Pavani Konduru

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Updated by Pavani Konduru: 37m ago

State: New

Area: Wipro-Devops

Reason: New

Iteration: Wipro-Devops

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10/22/2024 12:00 AM

Target Date: 10/17/2024 12:00 AM

Details

3

0

request or branch

to see the status of your development. You can also create a branch to get started.

Classification

Value area: Business

Related Work

Add link

Parent

34 Payment Screen Updated 39m ago New

Child

39 Credit Card Payment Input Updated 24m ago New

40 Credit Card Validation Updated 24m ago New

## Creating a User Story:

USER STORY 40

40 Credit Card Validation

Pavani Konduru

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Reason: New

Iteration: Wipro-Devops

Discussion

pk

Add a comment. Use # to link a work item, @ to mention a person, or ! to link a pull request.

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Classification

Value area: Business

Development

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Link an Azure Repos commit, pull request or branch to see the status of your development. You can also create a branch to get started.

Related Work

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35 Credit card Payments Updated 38m ago New

TASK 48

48 Develop Payment Gateway Integration

Pavani Konduru

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State New Area Wipro-Devops Reason New Iteration Wipro-Devops

Updated by Pavani Konduru: 5m

Details History 1 Edit

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Original Estimate  
8  
Remaining  
4  
Completed  
2

Development

Add link

Link an Azure Repos [commit](#), [pull request](#) or [branch](#) to see the status of your development. You can also [create a branch](#) to get started.

Implementation
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Related Work

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47 [Payment Processing Implementa...](#)  
Updated 6m ago • New