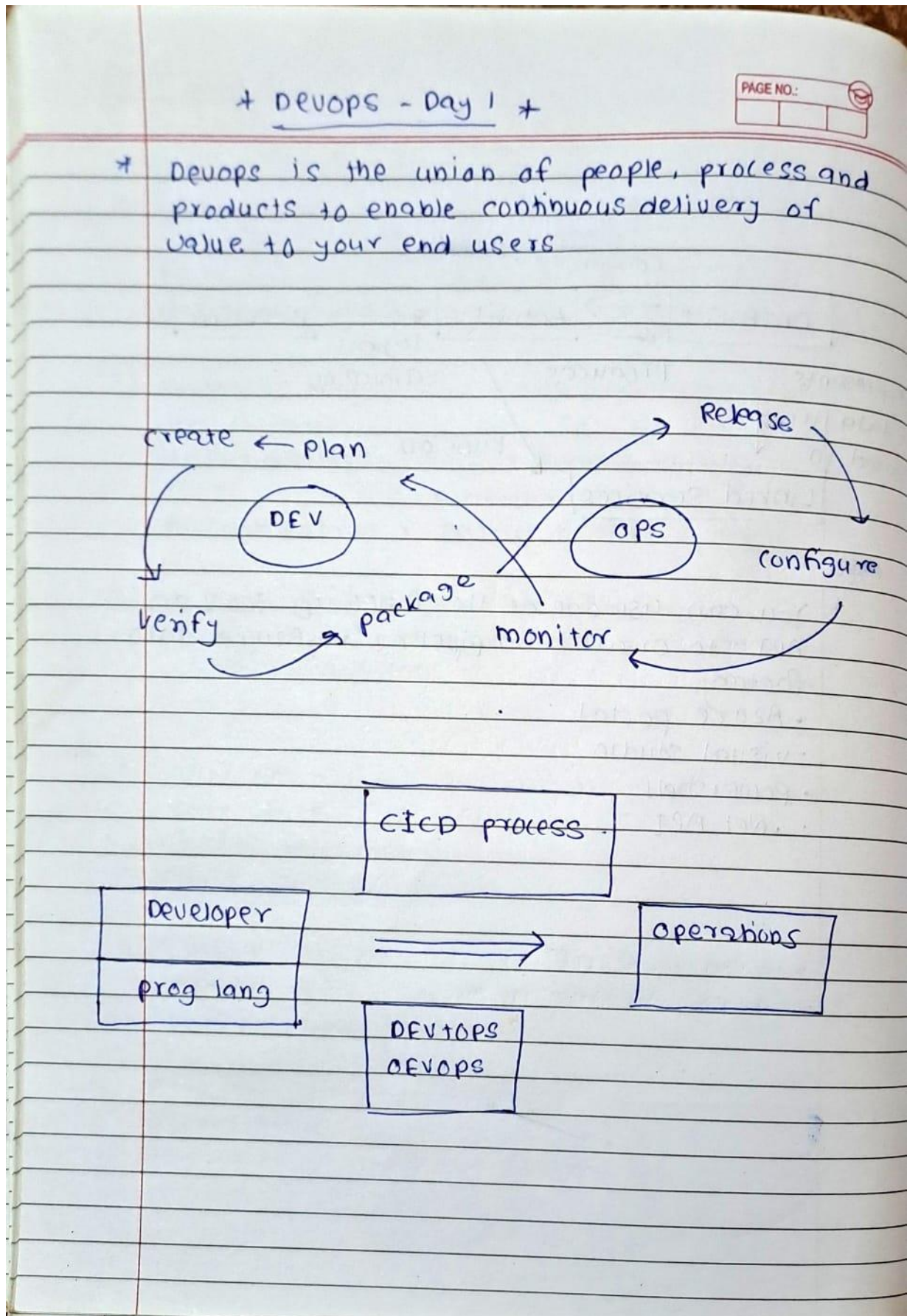


DevOps Assignment 1

Pratik Wani

- Notes



* intro to devops

Azure Boards

Plan, track,
discuss work
across teams

Azure Repos

unlimited private
hosted Git
Repos

Azure Pipelines

CI/CD that works
with any language,
Platform and cloud

Azure Test plans

Testing toolkit which
test and manage codes

Azure Artifacts

Create, host and
share packages, add
artifacts to CI/CD

*

Plan → Azure Boards
Build → Azure Repos
feedbacks → Azure Insights
operate → Application insights
Deploy → Azure pipeline

* Azure Boards:-

- Connected from idea to release
- Scrum ready
- Project insights

Track work with kanban board, backlogs, team dashboards and custom reporting.

* Azure Repos

unlimited private Git Repo hosting and support for TFVC that scales from hobby project to the world's largest Git repositories

- Works with your Git client
- web hooks
- Semantic code search

* Azure pipelines

cloud hosted pipelines for linux, windows and macOS, with unlimited minutes for open source

- Any lang, Any platform
- Extensible
- Best-in class for open source.

* Azure test plans

Get end-to-end traceability. Run test and log defects from your browser. Track and access quality throughout your testing lifecycle.

- Capture rich data
- Get end-to-end traceability
- Test across web and desktop

* Azure Artifacts

Create and share maven, npm, and nuget package feeds from public and private source fully integrated into CI/CD pipeline.

- Manage all package types
- Share code efficiently
- Add packages to any pipeline.

* What technologies do I need to support DevOps?

DevOps brings together people, processes and technology, automating software delivery to provide continuous value to your users.

* Continuous integration (CI)

- improve SD quality and speed
- Automatically detects bugs and tested the code when we deploy to Azure

* continuous deployment:- (CD)

- By combining (CI) and Infrastructure as code (IaC) we can achieve identical deployment and the confidence to deploy to production at any time.
- with CD we can automate the entire process from code commit to production if CI/CD pipeline are successful.

* Continuous Learning and monitoring

- gives insights on recent deployments
- using CI/CD pipelines, paired with tools of monitoring, we will be able to safely deliver features to your customers as soon as they are ready.

- Azure Project

Microsoft Azure

Upgrade

Search resources, services, and docs (G+/)

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Azure DevOps

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Azure DevOps

Plan smarter, collaborate better, and ship faster with a set of modern dev services

My Azure DevOps Organizations

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[Billing management for Azure DevOps](#)



<https://portal.azure.com/#>

Microsoft Pratik Wani Sign out

Pratik Wani

Edit profile

pratikwani116@outlook.com

Microsoft account

India

pratikwani116@outlook.com

Visual Studio Dev Essentials

Get everything you need to build and deploy your app on any platform.

[Use your benefits](#)

Get started with Azure DevOps

Plan better, code together, ship faster with Azure DevOps

Create new organization

pratikwani116

[New organization](#)

What's new

Sprint 234

We're excited to announce that Workload identity federation is now generally available in Azure Pipelines!

[Organization settings](#)

Create a project to get started

Project name *

Visibility

☐ Public

Anyone on the internet can view the project. Certain features like TFVC are not supported.

☒ Private

Only people you give access to will be able to view this project.

Public projects are disabled for your organization. You can turn on public visibility with [organization policies](#).

[+ Create project](#)

pratikwani116 / MyFirstProject1056 / Overview / Summary

MyFirstProject1056

Private

Overview

Summary

Dashboards

Wiki

Boards

Repos

Pipelines

Test Plans

Artifacts

Project settings

Welcome to the project!

What service would you like to start with?

Boards

Repos

Pipelines

Test Plans

Artifacts

[or manage your services](#)

Project stats

No stats are available at this moment

Setup a service to see project activity.

Members

1

- Azure Git Repos

Extension: Azure Git Repos

Azure Git Repos

Neil Barkhina | 47,181 | ★★★★★ (2)

Download your Git Code from Azure Repos

[Disable](#) [Uninstall](#) [Settings](#)

This extension is enabled globally.

[DETAILS](#) [FEATURE CONTRIBUTIONS](#) [CHANGELOG](#) [RUNTIME STATUS](#)

Azure Git Repos Extension

This is a VS Code extension to easily download your Git Repos and Projects from the Command Palette. One of the most frustrating parts of downloading your Git code is remembering those pesky remote URLs. This extension makes it so you never have to memorize a URL again! Only supports Git projects hosted in Azure Repos.

Features

To setup the extension start by adding your Organization name and Personal Access Token generated from Azure DevOps. The token only needs access to read Code. After that you can browse your project names and repos from inside VS Code.

[Marketplace](#)
[Issues](#)
[Repository](#)
[License](#)
[Neil Barkhina](#)

More Info

Published	2019-05-26, 22:13:00
Last released	2023-05-20, 16:44:58
Last updated	2024-02-22, 14:31:51
Identifier	neilbarkhina.gitdownloads

• Azure Dashboard

Azure DevOps pratikwani116 / MyFirstProject1056 / Boards / Work items

MyFirstProject1056

Overview

Boards

Work items

Boards

Backlogs

Sprints

Queries

Delivery Plans

Analytics views

Repos

Pipelines

Test Plans

Artifacts

Project settings

Work Items

Back to Work Items

EPIC 1

1 FirstEpic-1056

No one selected

1 Comment Add Tag

Save Follow

State To Do Area MyFirstProject1056

Reason Added to backlog Iteration MyFirstProject1056

Details

Description

creating first project

Planning

Priority 3

Start Date 22/02/2024 00:00

Target Date 23/02/2024 00:00

Related Work

Add link

Add an existing work item as a parent

Discussion

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

PW Pratik Wani commented just now

Working on it

Azure DevOps pratikwani116 / MyFirstProject1056 / Boards / Backlogs

MyFirstProject1056

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Backlog Analytics

New Work Item

View as Board

Column Options

Order	ID	Title	Assigned To	State	Tags
1	3	create classes and objects	Pratik Wani	Doing	
2	4	Create Nav Bar	Pratik Wani	To Do	

Issues

Planning

Drag and drop work items to include them in a sprint.

MyFirstProject1056 Team backlog

Sprint 1

Planned Effort: 0

2

New Sprint

Azure DevOps

pratikwani116 / MyFirstProject1056 / Boards / Sprints

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Taskboard Backlog Capacity Analytics

+ Add user Save Revert

No iteration dates Set dates

Sprint 1

User	Days off	Activity	Capacity per day
Pratik Wani	0 days	Deployment	2
Team days off 0 days These days off apply to the whole team			

Azure DevOps

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Board Analytics View as backlog

Epics

To Do

Doing

0/5

Done

New item

5 SecondEpic-1056

To Do

Pratik Wani

1 FirstEpic-1056

Done

Pratik Wani

MyFirstProject1056

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Project settings

pratikwani116 / MyFirstProject1056 / Boards / Queries

Search

Run queryNewSaveColumn options

ResultsEditorCharts1 of 5

Query type: Flat list of work items

Filters for top level work items

And/OrField *OperatorValue

+X

Changed Date

>

@Today - 180

+X

Or

Accepted Date

=

@StartOfDay

+X

And

State

=

[Any]

Add new clause

ID	Work Item Type	Title	Assigned To	State	Tags
1	Epic	FirstEpic-1056	Pratik Wani	Done	
2	Task	MyFirstTask-1056		Doing	
3	Issue	create classes and objects	Pratik Wani	Doing	
4	Issue	Create Nav Bar	Pratik Wani	To Do	
5	Epic	SecondEpic-1056	Pratik Wani	To Do	

MyFirstProject1056

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pratikwani116 / MyFirstProject1056 / Boards / Work items

Search

Work items

Recently updatedNew Work ItemOpen in QueriesColumn OptionsImport Work ItemsRecycle Bin

Filter by keywordTypesAssigned toStatesAreaPathTags

ID	Title	Assigned To	State	Area Path	Tags
6	Task2-1056	Unassigned	To Do	MyFirstProject1056	
1	FirstEpic-1056	Pratik Wani	Doing	MyFirstProject1056	
5	SecondEpic-1056	Pratik Wani	To Do	MyFirstProject1056	
4	Create Nav Bar	Pratik Wani	To Do	MyFirstProject1056	
3	create classes and objects	Pratik Wani	Doing	MyFirstProject1056	
2	MyFirstTask-1056	Unassigned	Doing	MyFirstProject1056	

