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Data engineering - Batch 1

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DAY 23 – Azure DevOps-Boards

DevOps is a set of practices that combines software development (Dev) with IT operations (Ops) to enable organizations to deliver high-quality software products and services more quickly and efficiently.

Continuous Integration (CI):

Implement CI practices to automatically build and test code changes whenever developers commit code to the version control repository.

Continuous Deployment (CD):

Extend CI to Continuous Deployment (CD) by automating the deployment of tested code changes to production or other environments.

Monitoring and Feedback:

Implement monitoring and logging solutions to track application performance, detect issues, and collect feedback from users.

Azure DevOps

Azure DevOps consists of several components that support different stages of the software development lifecycle. Here are the key components of Azure DevOps:

Azure Boards:

- Azure Boards is a project management tool that helps teams plan, track, and collaborate on work items and tasks.
- It provides features for backlog management, sprint planning, task tracking, and kanban boards.
- Teams can use Azure Boards to organize and prioritize work, assign tasks to team members, and track progress towards project goals.

Azure Repos:

- Azure Repos is a version control system that allows teams to store, manage, and collaborate on source code and artifacts.
- It supports both centralized (TFVC) and distributed (Git) version control systems.
- Teams can use Azure Repos to create branches, merge code changes, and review pull requests, enabling efficient collaboration and code review workflows.

Azure Pipelines:

- Azure Pipelines is a continuous integration and continuous delivery (CI/CD) service that automates the build, test, and deployment process.
- It supports building and deploying applications to a variety of platforms, including Azure, and on-premises environments.

Azure Test Plans:

- Azure Test Plans is a testing solution that helps teams plan, execute, and track manual and automated tests.
- It provides features for test case management, exploratory testing, test execution, and defect tracking.
- Teams can use Azure Test Plans to ensure the quality and reliability of their applications by running comprehensive test suites and analyzing test results.

Azure Artifacts:

- Azure Artifacts is a package management service that allows teams to create, host, and share packages and artifacts.
- Teams can use Azure Artifacts to publish and consume packages, manage versioning, and enforce access control and security policies.

Azure Boards

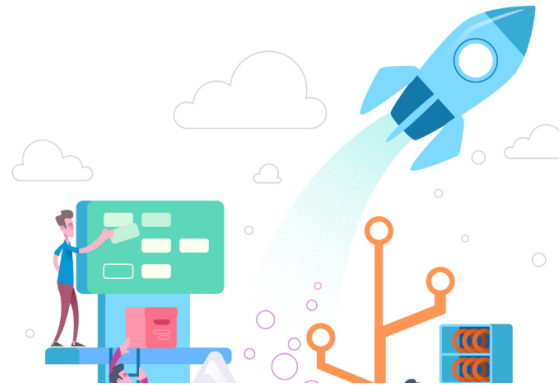
- **Launch azure devops in azure platform**

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Azure DevOps

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



- **Create user**

 Azure DevOps

 azuser1079mmlllocal

[New organization](#)

azuser1079mmlllocal

[Projects](#) [My work items](#) [My pull requests](#)



Hexa-DEB-1079

• • • • •

- Create a new project

Create new project



Project name *

hexa-DB-1079

Description

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](#).

▼ Advanced

Cancel

Create

- Project Dashboard

Azure DevOps

azuser1079mmllocal / Hexa-DEB-1079 / Overview / Summary

Search

Private

Invite

Hexa-DEB-1079

Overview

Summary

Dashboards

Wiki

Boards


Repos

Pipelines

Test Plans


Artifacts

Hexa-DEB-1079



Welcome to the project!
What service would you like to start with?

Project stats



No stats are available at this moment
Setup a service to see project activity.

- Create a Epic

EPIC 1

1 Project-Hexa-1079

azuser1079_mml.local

0 comments

Add tag

State

Doing

Area

Hexa-DEB-1079

Reason

Started

Iteration

Hexa-DEB-1079\Sprint 1

Description

Use Azure Data Factory to move and organize data in Azure Data Lake Storage, and leverage Azure Databricks for data processing and analytics on the data stored in the Data Lake.

Discussion

A

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

Planning

Priority

2

Start Date

Target Date

- Create an issue

ISSUE 2

2 sprint1

azuser1079_mml.local

0 comments

Add tag

State

Doing

Area

Hexa-DEB-1079

Reason

Started

Iteration

Hexa-DEB-1079\Sprint 1

Description

Click to add Description

Planning

Priority

2

Effort

• All the task assigned

Filter by keyword

TypesAssigned toStatesArea

ID	Title	Assigned To	State	Area Path
1	Project-Hexa-1079	azuser1079_mml.local	Doing	Hexa-DEB-1079
2	sprint1	azuser1079_mml.local	Doing	Hexa-DEB-1079
3	project execution	azuser1079_mml.local	To Do	Hexa-DEB-1079
4	pipeline implementation	Unassigned	To Do	Hexa-DEB-1079

• Azure boards

Hexa-DEB-1079 Team

BoardAnalyticsView as Backlog

To Do

Doing1/5

Done

New item

1 Project-Hexa-1079

azuser1079_mml.local

State Doing

5 project2-1079

State Done

• Backlog assignment

Hexa-DEB-1079 Team

BacklogAnalyticsNew Work ItemView as BoardColumn Options

Issues

Order	ID	Title	Assigned To	State
+	1	2> sprint1	... azuser1079_m...	Doing

Planning

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

Hexa-DEB-1079 Team Backlog

Sprint 1

Planned Effort: -

1 2

Current

New Sprint

• Stages of each work

🔍 Hexa-DEB-1079 Team ▾ ⭐ 👤

Taskboard Backlog Capacity Analytics | [+ New Work Item](#) [🔗 Column Options](#) 🔍 Sprint 1 ▾

⌵ Collapse all

📅 2 sprint1

A

azuser1079_mml.io...

State

● Doing

To Do

✓ 3 project execution

A

azuser1079_mm...

State

● To Do

✓ 4 pipeline implementation

📧

Unassigned

State

● To Do

+

Doing

Done