

DevOps with GitHub and Azure

A DevOps Hackathon focusing on Agile Planning & Portfolio Mgmt,
Azure Boards, and Pipelines

Milliman TechForum 2021

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Your Microsoft DevOps Hack Coaches

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TechForum21-DevOps Hackathon

<https://AzureDevOpsLabs.com>

1. [Agile Planning and Portfolio Management with Azure Boards](#)
2. [GitHub integration with Azure Pipelines](#)
3. [GitHub integration with Azure Boards](#)

The screenshot shows the Azure DevOps Labs website. The header includes the Azure DevOps Labs logo, a search bar, and navigation icons. The main heading is "What is DevOps?" with a subtext: "DevOps brings together people, processes, and technology, automating software delivery to provide continuous value to your users. DevOps automates and speeds software delivery. It makes your process and your products more reliable."

Getting started with Azure DevOps

Simplify and speed up the DevOps process with Azure DevOps services. The following labs will help you to get started

1 Azure DevOps services to automate software delivery and meet business needs.

The labs are organized into a grid:

- Agile Planning and Portfolio Management with Azure Boards (highlighted with a red box)
- Managing Project Schedules across Teams with Delivery Plans
- Version Controlling with Azure Repos
- Working with Pull Requests in VS Code and Azure DevOps
- Configuring pipelines as Code with YAML
- Enabling Continuous Integration with Azure Pipelines
- Embracing Continuous Delivery with Azure Pipelines
- Package Management with Azure Artifacts
- Collaborating with Azure DevOps Wiki
- Test Planning and Management with Azure Test Plans
- Exploratory Testing with Azure Test Plans
- Web Application Load and Performance Testing
- Monitoring App Performance with Application Insights
- Working with Pull Requests in VS Code and GitHub

Deep Dive into Azure DevOps

Azure DevOps provides integration with popular open source and third-party tools and services—across the entire DevOps workflow. Use the tools and languages you know. Spend less time integrating and more time delivering higher-quality software, faster.

The labs are organized into a grid:

- Using secrets from Azure Key Vault in a pipeline
- Microsoft Teams with Azure DevOps Services
- GitHub Integration with Azure Pipelines (highlighted with a red box)
- GitHub Integration with Azure Boards (highlighted with a red box)
- Feature Flag Management with LaunchDarkly
- Deploying Database changes with Redgate SQL Change Automation and Azure DevOps
- Using Microsoft Teams as Your DevOps Hub
- Deploy existing .NET apps as Windows containers (Modernizing .NET apps)

Agile Planning and Portfolio Management with Azure Boards

Special Instructions

1. When going through the prerequisites, select “**MTF2021**” as the “Organization”
2. Create a new Project named "**alias-PartsUnlimited**" where "alias" is your alias, employee #, etc. (e.g. dabu-PartsUnlimited)

Select Organization : **MTF2021**

New Project Name : dabu-PartsUnlimited

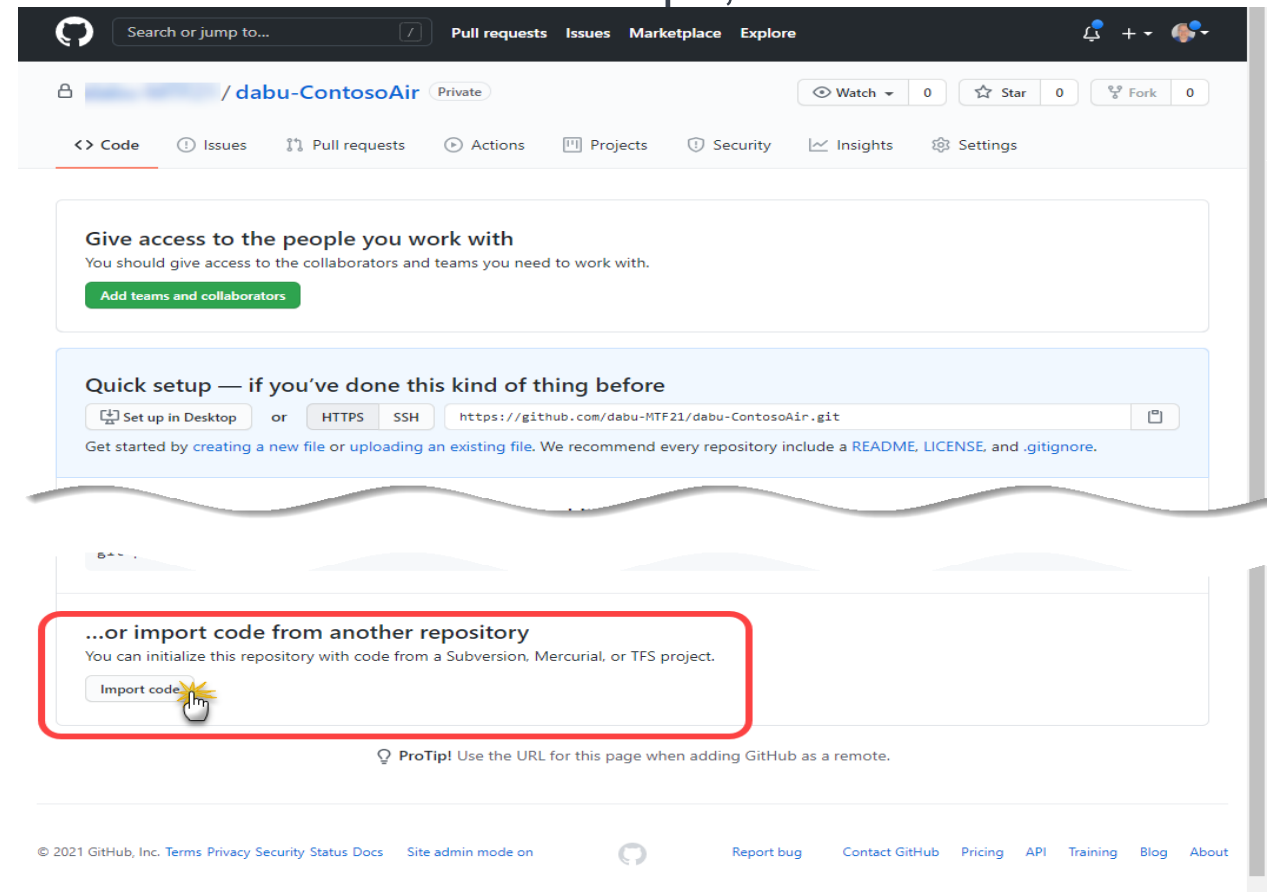
Selected Template : SmartHotel360 **Choose Template**

3. You can skip “***Task 2: Configuring the Parts Unlimited solution in Visual Studio***”.

Agile Planning and Portfolio Management with Azure Pipelines

Special Instructions

1. You can skip the following step from the *Prerequisites* as that will have already been done:
“ARM Outputs extension installed in your Azure DevOps account...”
2. Under: **“Setting up the environment”**, do not "Fork" the ContosoAir repo, instead:
 - a. Go to <https://github.com/MillimanTest>
 - b. Create a new, empty repo named **"alias-ContosoAir"** where "alias" is their alias, employee #, etc. (e.g. dabu-ContosoAir)
 - c. Select the "Import Code" option once the repo has been created.



Agile Planning and Portfolio Management with Azure Pipelines

Special Instructions

4. Import the code from <https://github.com/microsoft/ContosoAir.git>

GitHub navigation bar: Search or jump to... Pull requests Issues Marketplace Explore

Import your project to GitHub

Import all the files, including the revision history, from another version control system.

Your old repository's clone URL

<https://github.com/microsoft/ContosoAir.git>

[Learn more about the types of supported VCS](#)

Your existing repository

[dabu-MTF21/dabu-ContosoAir](#) [Change repository](#)

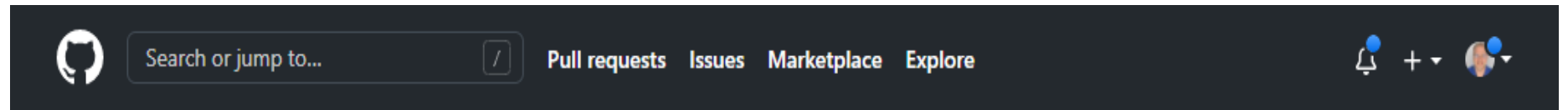
[Cancel](#) [Begin import](#)

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Agile Planning and Portfolio Management with Azure Pipelines

Special Instructions

5. You will get the following confirmation:



Preparing your new repository

There is no need to keep this window open, we'll email you when the import is done.

 dabu-MTF21/dabu-ContosoAir

✓ Importing complete! Your new repository [dabu-MTF21/dabu-ContosoAir](#) is ready.



Agile Planning and Portfolio Management with Azure Pipelines

Special Instructions

6. When going through “**Task 2: Configuring a Continuous Integration Pipeline**”, select “**MTF2021**” as the “Organization”.
7. Create a new Project named “**alias-ContosoAir**” where “alias” is your alias, employee #, etc. (e.g. dabu-PartsUnlimited)

Select Organization : **MTF2021** ▼

New Project Name : dabu-ContosoAir

Selected Template : SmartHotel360 [Choose Template](#)



Thank you

Presenter Name

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