



Microsoft



Katerina Chernevskaya 

**ALM for Power Platform Bootcamp:
DevOps, Environments, Solutions,
Security & Pipelines!**



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Dynamics 365
Implementation Partner
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ALM for POWER PLATFORM



LOW CODE
POWER
LONDON 2024





automate your documents
integrate your data



mazikglobal

 **NORTH52**
Turbocharge Dynamics 365



Dynamics 365
Implementation Partner
for **ERP**, **CRM** & **HR**
Microsoft Partner
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THANK YOU!

**POWER**
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Mastering Deployment

Automate, Streamline, and Excel
in Every Release



Kickstarting ALM

Master Environments and Solutions



Azure DevOps Essentials

Power Up Your Project Management



Streamlining Operations

CI/CD for Efficient Development

Katerina Chernevskaya

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- Over 20 years in Microsoft Tech & Solutions
- Community speaker | Content creator
- Contributor and collaborator in Microsoft Sample Solution Gallery
aka.ms/powerplatform-samples



#SharingIsCaring



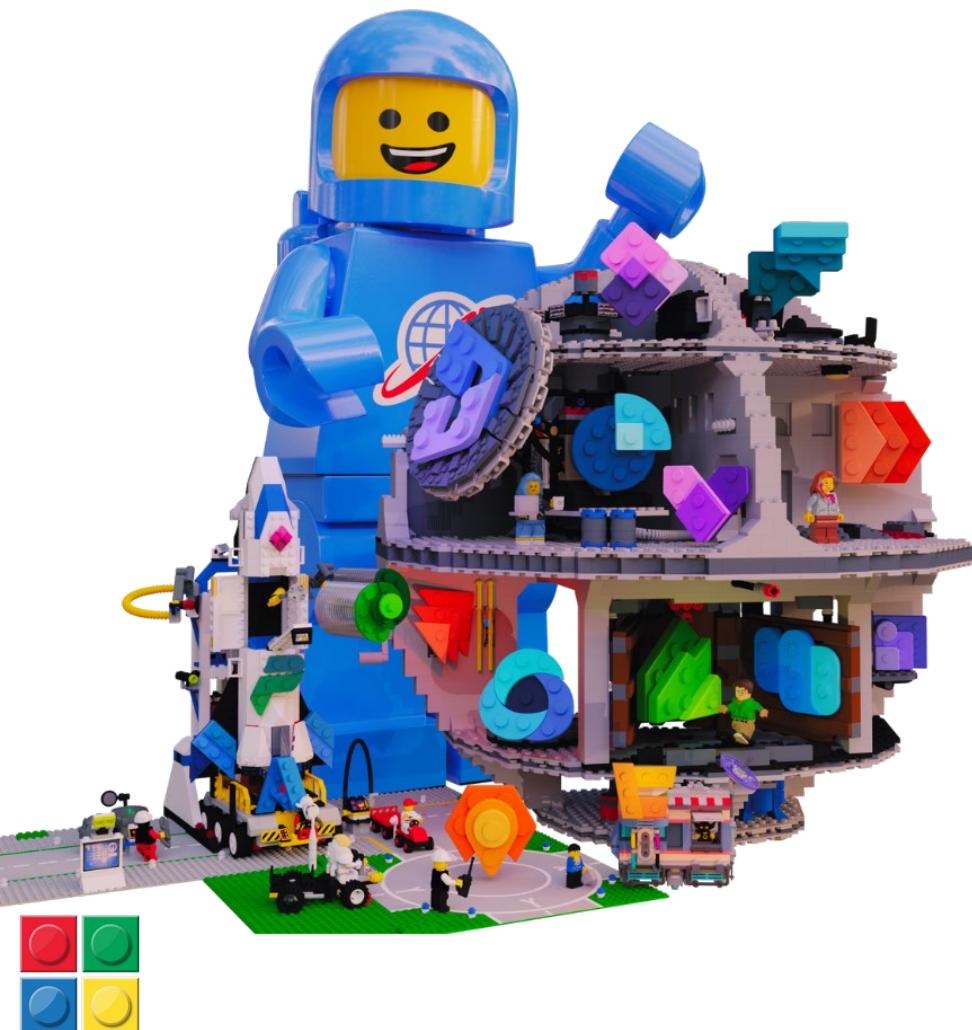
Repository

Acts as a central hub
where all your solution codes reside.

Tracks of changes, understand iterations,
and maintain a history of your solution's evolution.

Allows multiple developers to work seamlessly,
ensuring smooth collaboration.





Pipeline

A series of automated procedures and steps, designed to streamline the process of building, testing, and deploying solutions and apps.

In the Power Platform, pipelines streamline the transition of solutions from development to production, enhancing efficiency and minimizing errors.

Continuous integration

A development approach where code is frequently integrated into a shared repository, promoting a robust and efficient codebase



Continuous deployment

Automated process of releasing new version of a solution into the target environment once changes pass predefined tests and criteria

Build

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The process of compiling
the various components contained in a solution
into a package that is ready for deployment.



Release

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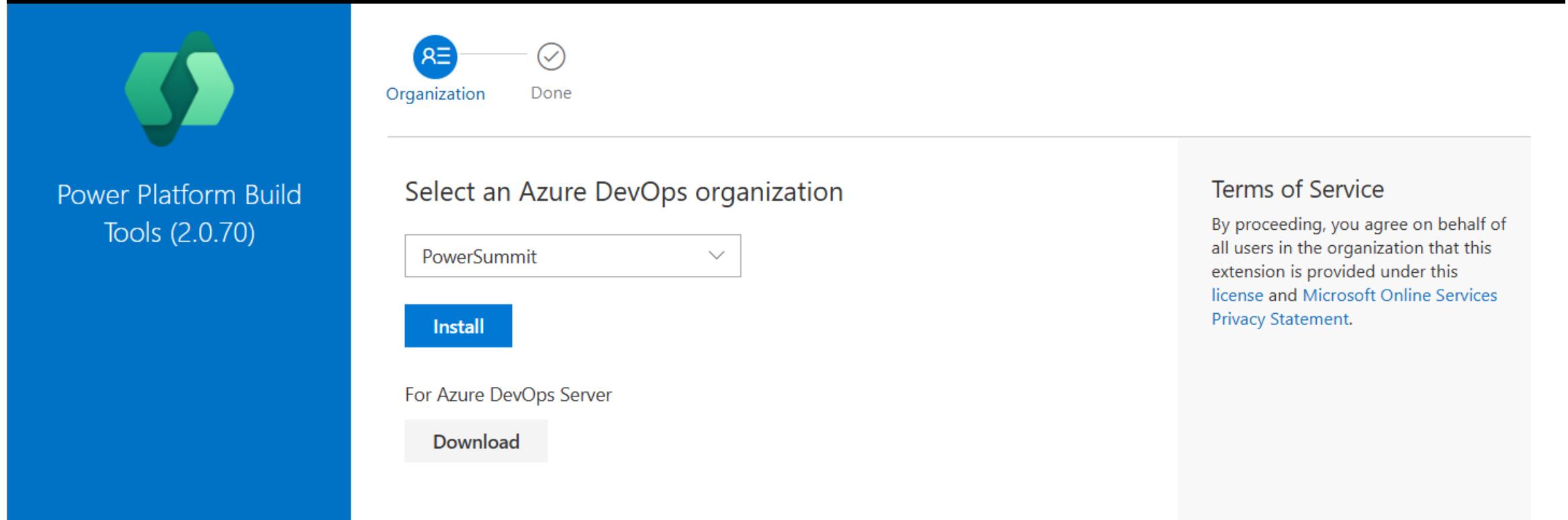
Controlled process that manages
the distribution and delivery of the build
to different environments,
ensuring that it meets the necessary quality
and compliance standards.



Power Platform Build Tool

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Visual Studio | Marketplace Katerina Chernevskaya (Katerina.Chernevskaya@ms-learn.com) Sign out 



The screenshot shows the Visual Studio Marketplace page for the "Power Platform Build Tools (2.0.70)". On the left, there's a large blue sidebar with the extension logo and name. The main content area has a header "Organization" with a progress bar showing it's "Done". Below this, there's a dropdown menu set to "PowerSummit" and a large blue "Install" button. To the right, there's a "Select an Azure DevOps organization" section and a "For Azure DevOps Server" section with a "Download" button. A "Terms of Service" sidebar on the right contains a summary of the terms and links to the license and privacy statement.

Power Platform Build Tools (2.0.70)

Organization Done

Select an Azure DevOps organization

PowerSummit

Install

For Azure DevOps Server

Download

Terms of Service

By proceeding, you agree on behalf of all users in the organization that this extension is provided under this [license](#) and [Microsoft Online Services Privacy Statement](#).





Solution Name:

\$(PowerPlatform.SolutionName)

Solution File:

\$(Build.ArtifactStagingDirectory)\\$(PowerPlatform.SolutionName).zip

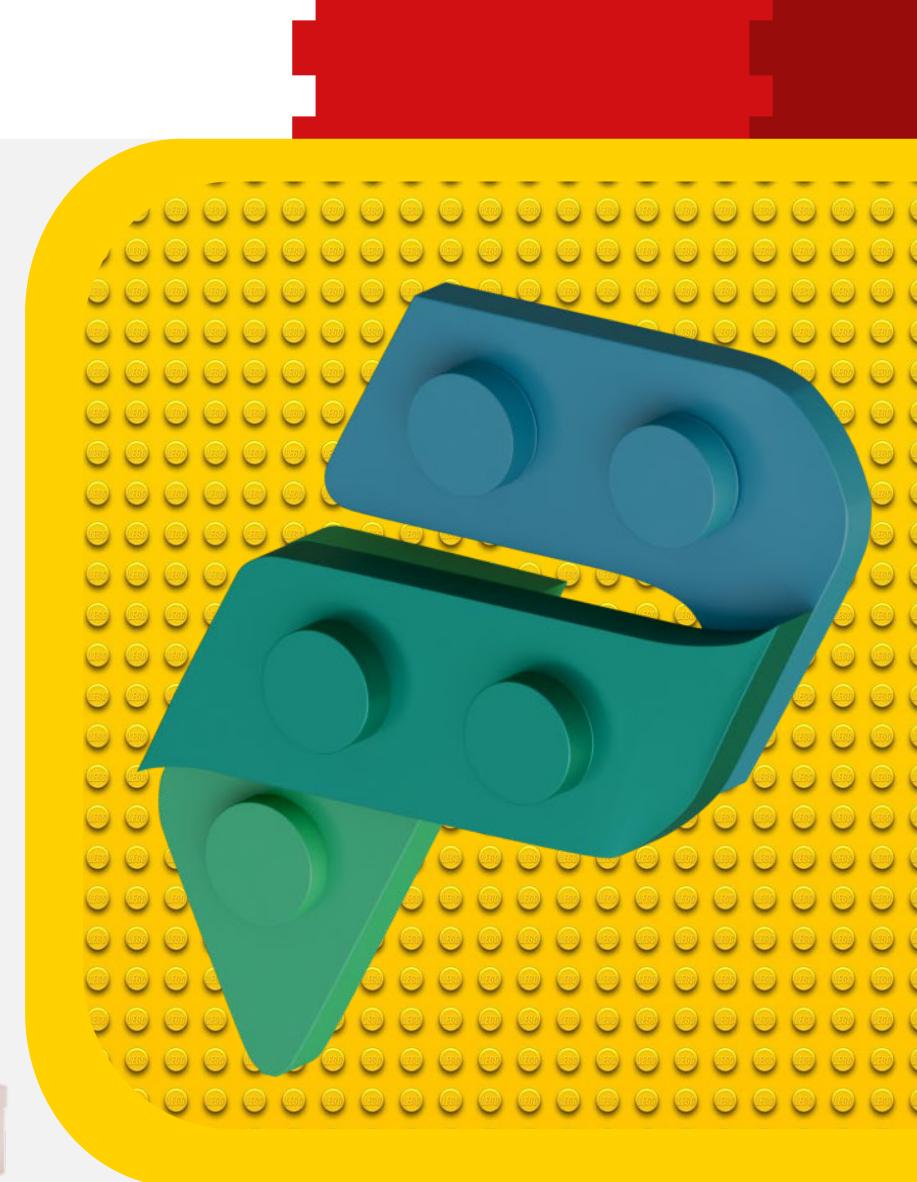
Target Folder to Unpack Solution:

\$(Build.SourcesDirectory)\\$(PowerPlatform.SolutionName)

Command Line:

```
echo Commit Power Platform Solution  
git config user.email "YOUR EMAIL"  
git config user.name "YOUR NAME"  
git checkout main  
git pull origin  
git add --all  
git commit -m "Automatic solution commit"  
git push --set-upstream origin main
```

Demo



Pipelines

Export solution

Agent job 1

Run on agent

 Power Platform Tool Installer
Power Platform Tool Installer

 Power Platform Export Solution
Power Platform Export Solution

 Power Platform Export Solution copy
Power Platform Export Solution

 Power Platform Unpack Solution
Power Platform Unpack Solution

 Command Line Script
Command line



Build

Agent job 1

Run on agent

 Power Platform Tool Installer
Power Platform Tool Installer

 Power Platform Pack Solution
Power Platform Pack Solution

 Copy Files to: \$(Build.ArtifactStagingDirectory)
Copy files

 Publish Artifact: drop
Publish build artifacts



Release

Agent job

Run on agent

 Power Platform Tool Installer
Power Platform Tool Installer

 Power Platform Import Solution
Power Platform Import Solution





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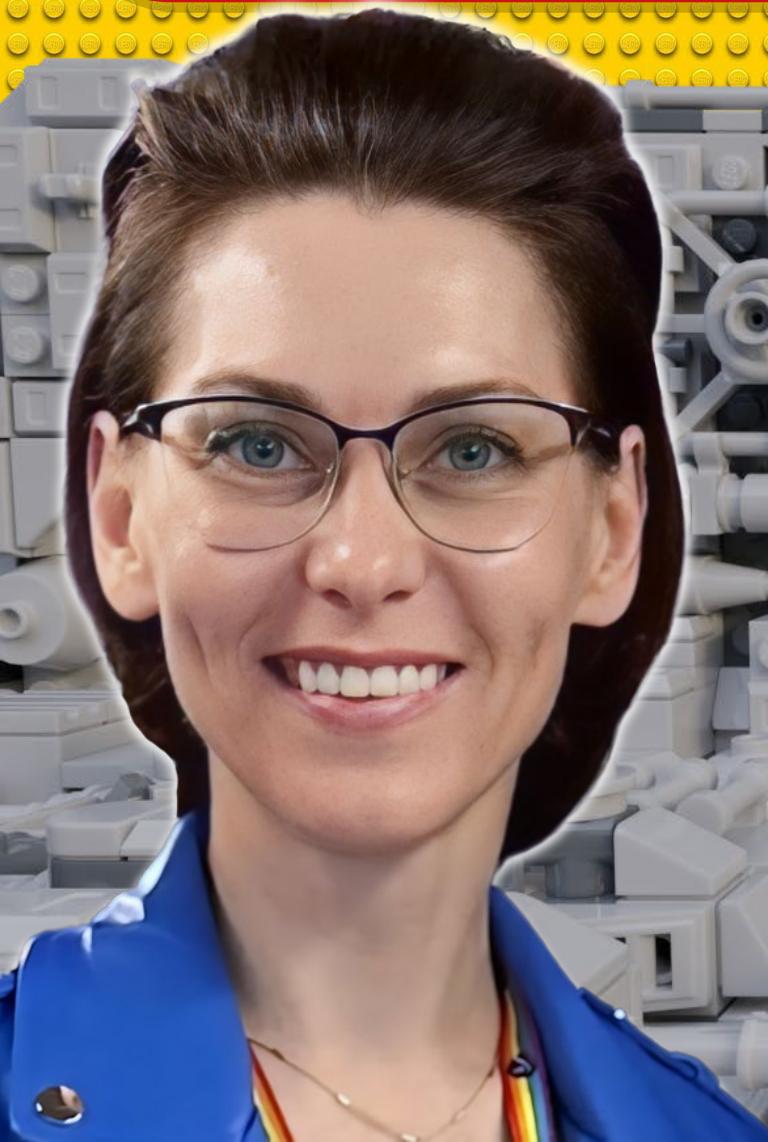


Streamlining Operations

CI/CD for Efficient Development

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