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Bug Reporting and Tracking with Azure DevOps

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Introduction to Azure DevOps



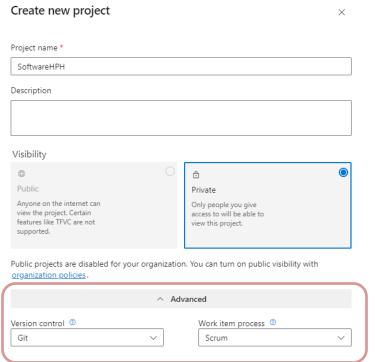
Azure DevOps

- Azure DevOps is tool for Software Engineering
 - Planning, Collaboration, Source Code Control, Bug Tracking, Agile and Scrum, etc.
- Developed by Microsoft.
- https://dev.azure.com
- Free for 5 Developers + Stakeholders.
- You use it in your web browser, and it also has integration with Visual Studio for Source Code Control and Git.

Bug Reporting and Tracking

- Finding and Reporting and finding Bugs are important in all Software Development Projects.
- Azure DevOps has great features for Bug Reporting and Tracking.
- It is important to your Team creates a guidelines for Bug Reporting and how to follow up these Bugs
 - When someone report bugs it is important that the bugs are fixed and that some actually check that these Bugs has been fixed.

Create New Project



Select a meaningful Project name

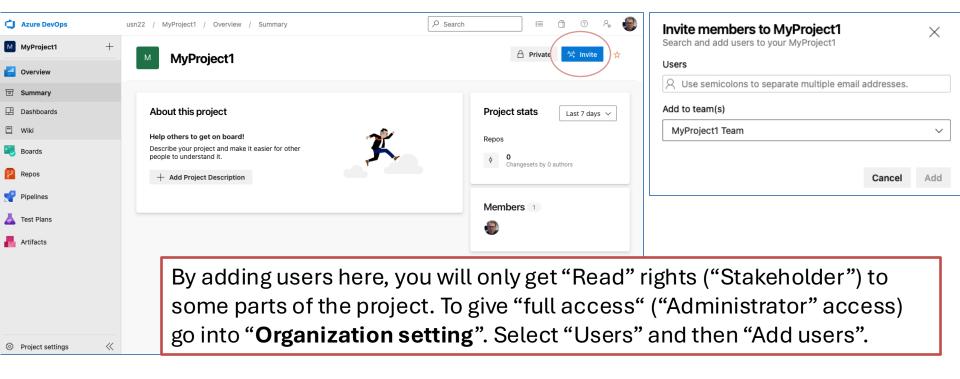
Make sure to select "Advanced":

Version control = Git

Work item process: Scrum

Cancel Create

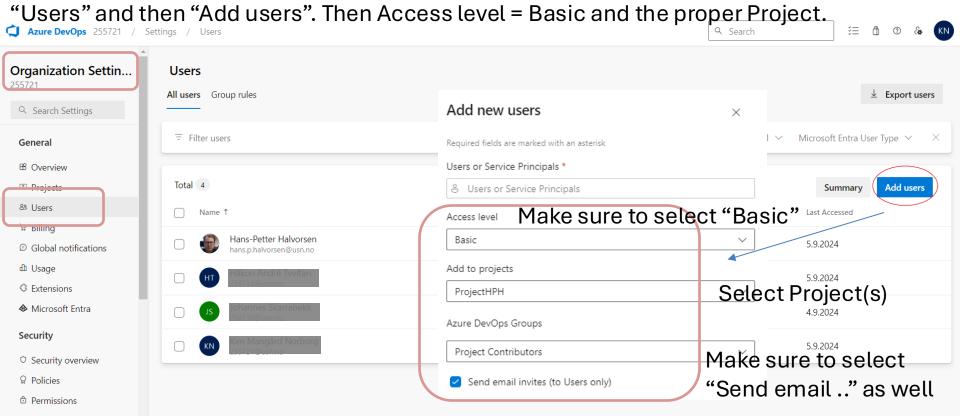
Invite/Add Members



https://learn.microsoft.com/en-us/azure/devops/organizations/security/add-users-team-project

Give Users "Full Access" in Organization Settings

To get full access ("Administrator" access) go into "**Organization setting**". Select



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Bug Reporting

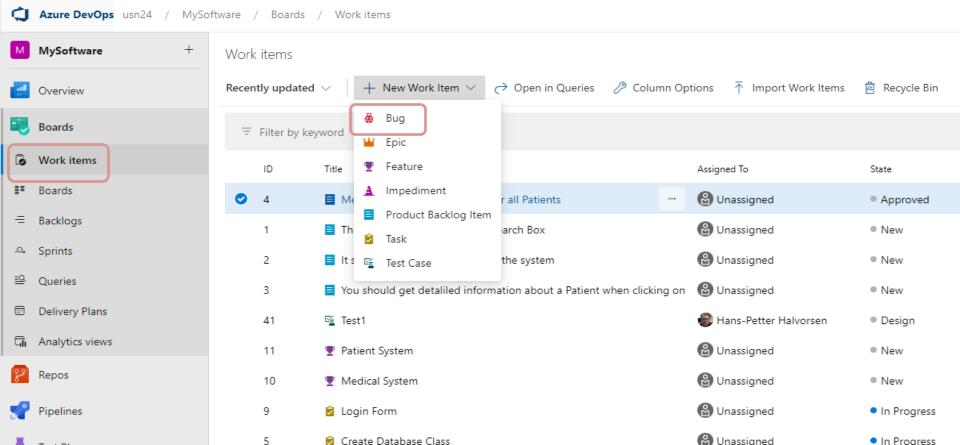


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Bug Reporting

- Finding and Reporting and finding Bugs are important in all Software Projects.
- Azure DevOps has great features for Bug Reporting and Tracking.

Bug Work Item Type



New Bug

Details

Priority

Severity

Effort

Activity

Build

switch to Markdown editor

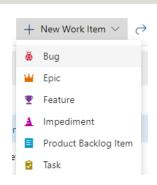
Found in Build

Integrated in Build

3 - Medium

Remaining Work

2



M NEW BUG * Search Button not working in Patient window No one selected O Comments Add Tag ProjectHPH Area ProjectHPH\Sprint 1 (Alpha) New defect reported Iteration Repro Steps Click to add Repro Steps. System Info Click to add System Info. Acceptance Criteria Click to add Acceptance Criteria.

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

← Back to Work Items

Work Items

reauest.

 Save Details ⓑ ⇔ 0 Ø 0 Deployment To track releases associated with this work item, go to Releases and turn on deployment status reporting for Boards in your pipeline's Options menu. Learn more about deployment status reporting 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. Related Work Add link ∨ Add an existing work item as a parent

Enter as much information as possible for the Bug.

Then it will be easier for the Developer to find and Discussion fix the Bug

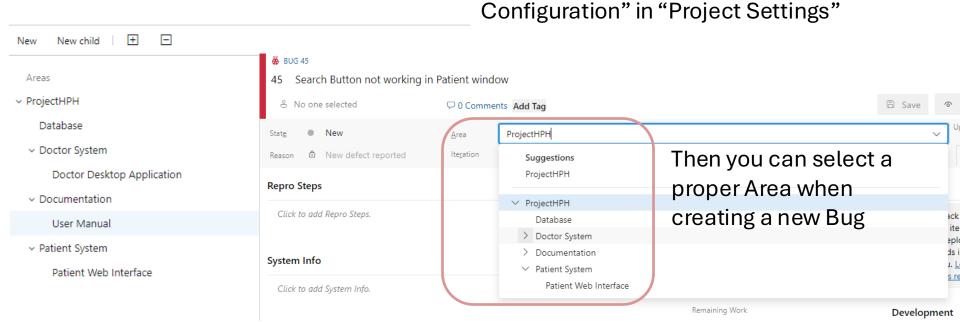
Areas

Boards 1 This project is currently using the Scrum process. To customize your work item types, goal lterations 2 Areas

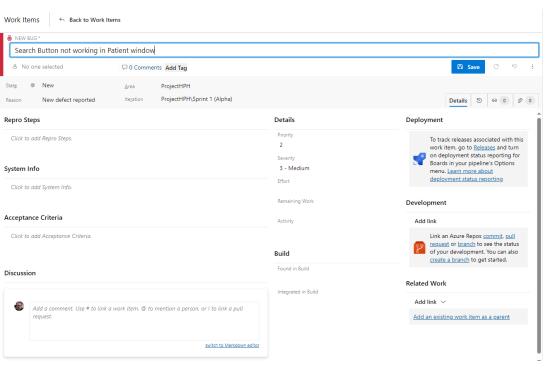
Create and manage the areas for this project. These areas will be used by teams to determin customizing areas and iterations [2]

To select areas for the team, go to the default team's settings.

You can create and use Areas to group your Bugs into different parts of the system, different Applications, etc.
You configure Areas under "Project



Bug information



Enter as much information as possible for the Bug. Then it will be easier for the Developer to find and fix the Bug.

Make sure to register the following information for each Bug:

- Bug Title
- Area which part of the system or in which application the bug is found
- Iteration, i.e., in which Iteration is the Bug found
- Assign to Responsible Person
- Priority and Severity
- A more detailed description and information regarding the Bug to make it easier for the Developer to find and fix the Bug
 - Reproduction Steps
 - System Information
 - Add Images and Screen shots

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Bug Tracking

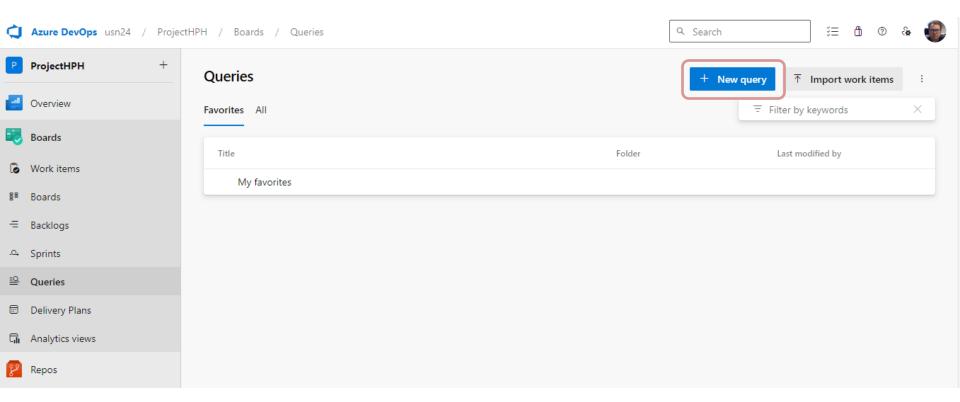


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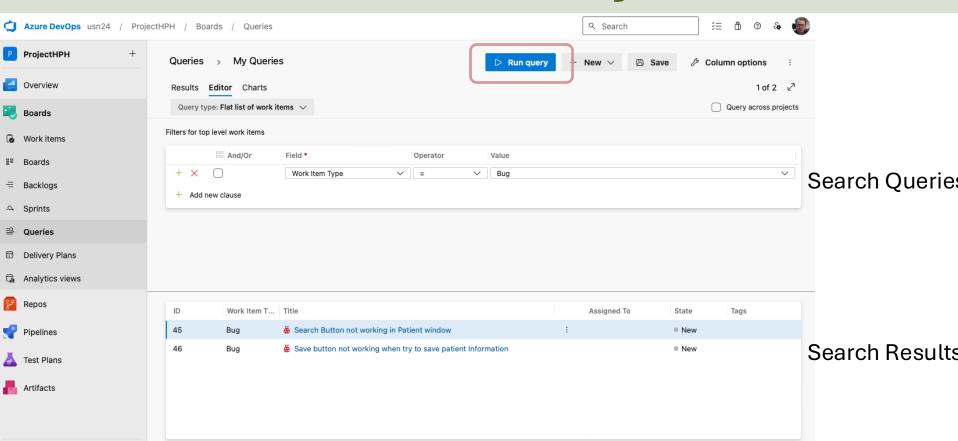
Bug Tracking

- When you have reported Bugs in the system it is important that these bugs are followed up to make sure that they will be fixed.
- Azure DevOps has great features for Bug Reporting and Tracking.
- In Azure DevOps we use Queries for Tracking and Monitoring Bugs

Queries



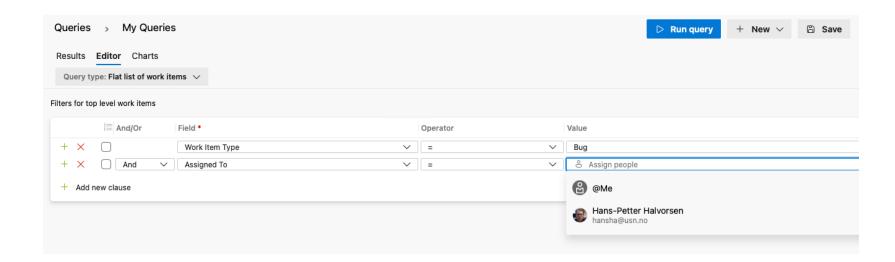
New Query



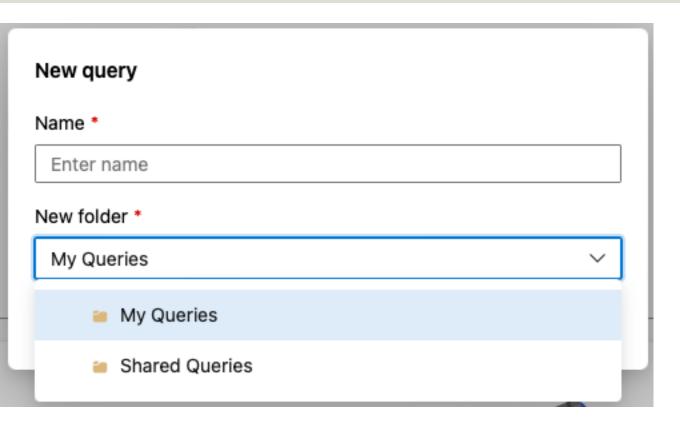
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Project settings

Assign To = @Me

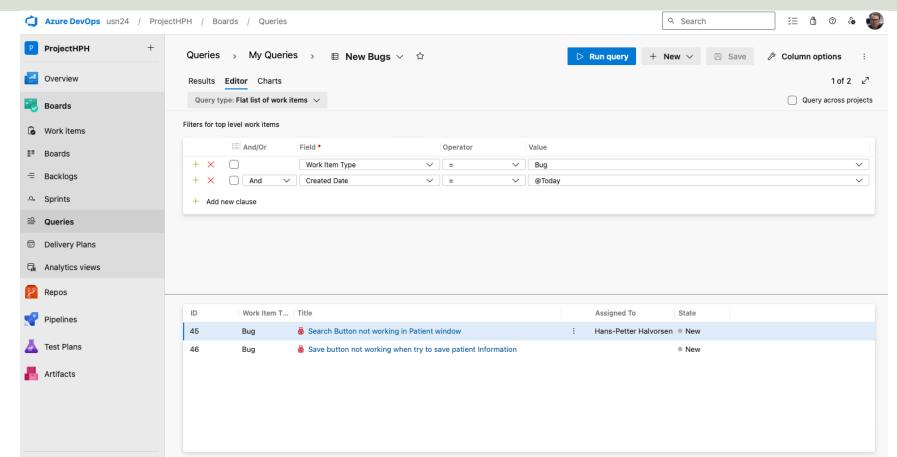


Save Query



You can choose between "My Query" or "Shared Query"

@Today



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