



ENTERPRISE SOFTWARE DEVELOPMENT



# Azure DevOps/GitHub

## The 10ish Missing Bits

NDC Sydney 2022

@matteightyate



# Matt Wicks

SSW Solution Architect

- On a keyboard before I could crawl (before it was the norm)
- Consulted for Azure DevOps and GitHub Fast Track programs



wicksipedia



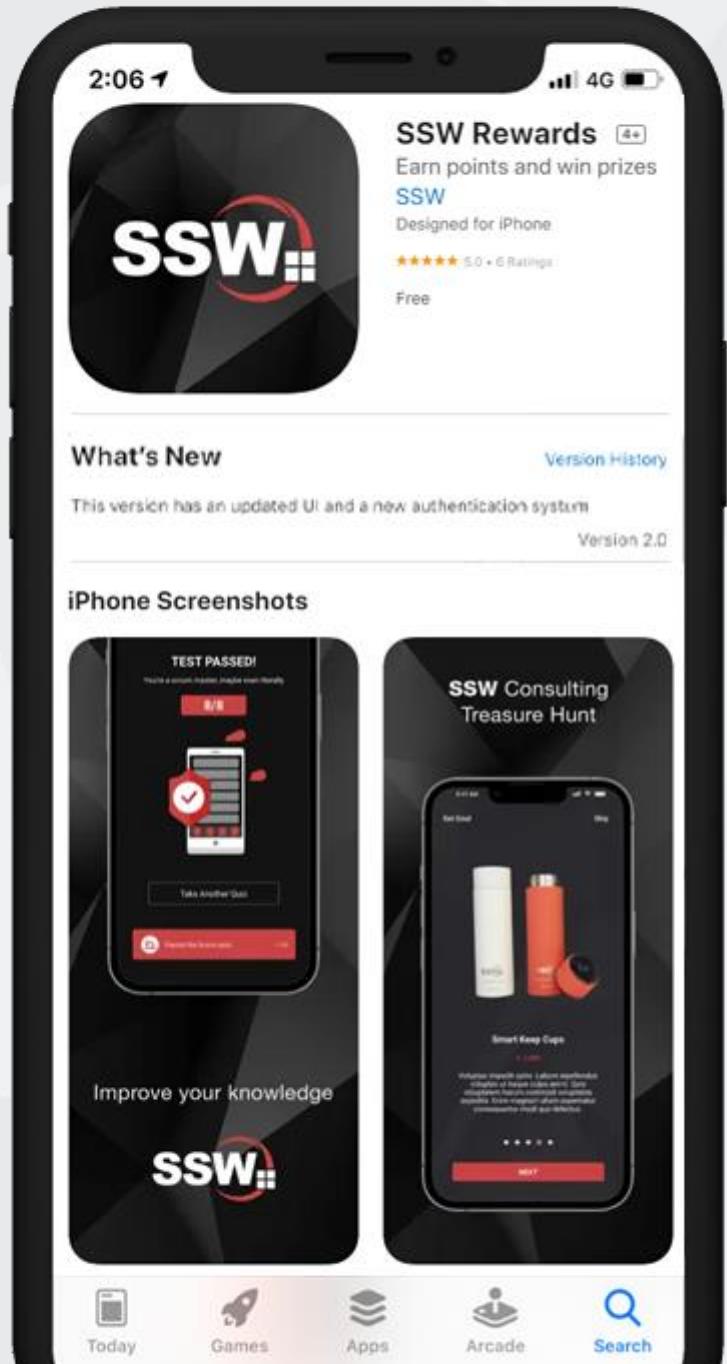
wicksipedia.com



@matteightyate

@matteightyate





1. Scan QR Code to install app
2. Scan SSW codes at talks and events
3. Earn **SSW Points** ★  
claim rewards, and win prizes



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# Azure DevOps

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## Azure Pipelines

Build, test, and deploy with CI/CD that works with any language, platform, and cloud. Connect to GitHub or any other Git provider and deploy continuously.

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## Azure Repos

Get unlimited, cloud-hosted private Git repos and collaborate to build better code with pull requests and advanced file management.

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## Azure Test Plans

Test and ship with confidence using manual and



## Azure Artifacts

Create, host, and share packages with your team, and

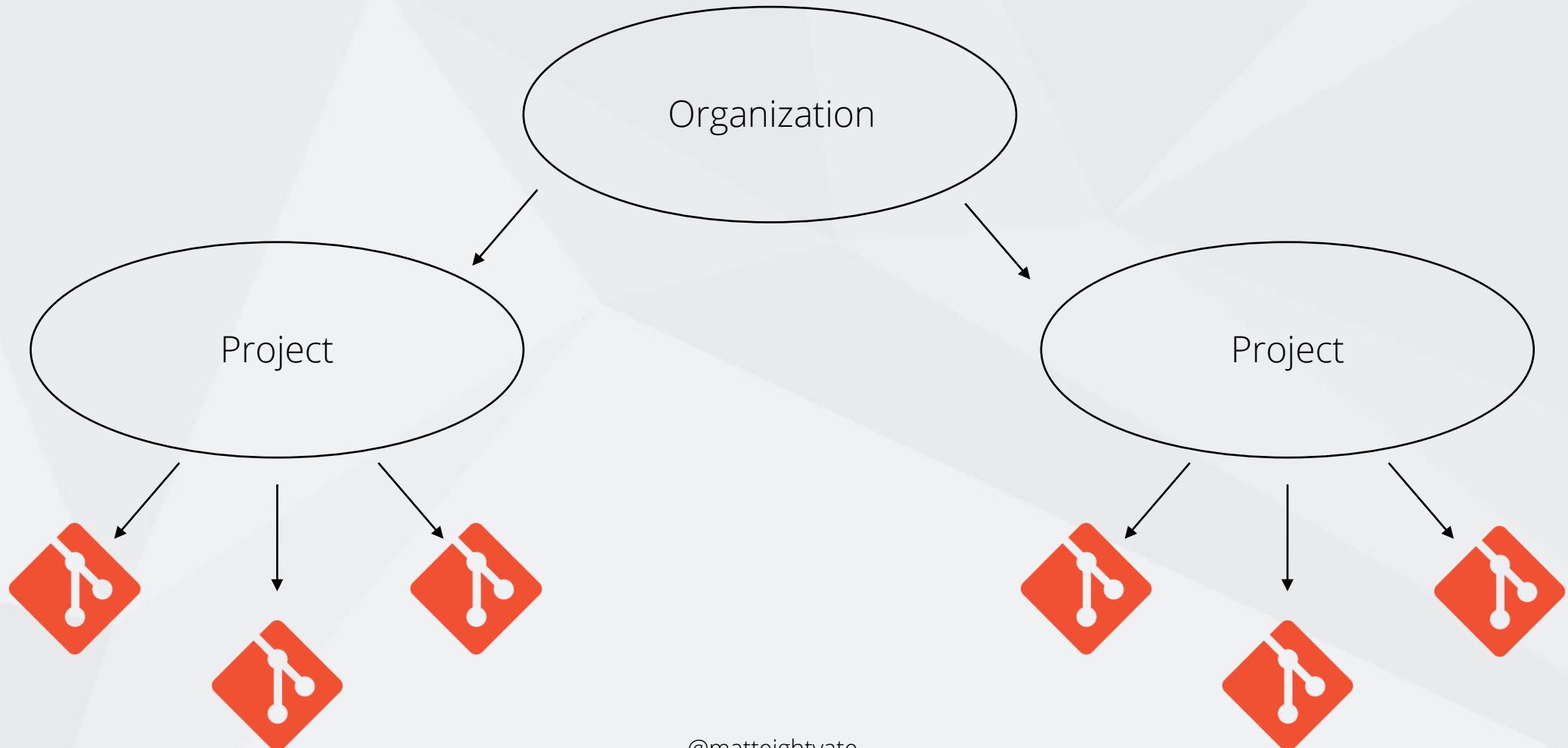
## Extensions Marketplace

Access extensions from Slack to SonarCloud

[Chat with Sales](#)



# Azure DevOps Structure





# Azure DevOps Server 2020

Azure DevOps Server 2020 follows the [Fixed](#) Lifecycle Policy.

Support dates are shown in the Pacific Time Zone (PT) - Redmond, WA, USA.

## Support Dates

Listing	Start Date	Mainstream End Date	Extended End Date
Azure DevOps Server 2020	Aug 25, 2020	Oct 14, 2025	Oct 8, 2030

## Links

- [Overview and update information for Azure DevOps Server](#)

https://learn.microsoft.com/en-us/azure/devops/server/release-notes/azuredevops2022?view=azure-devops

Microsoft | Learn Documentation Training Certifications Q&A Code Samples Shows Events

Azure DevOps Services Build and Deploy Apps Get Started Tools and settings Resources

Free Account Open Azure DevOps

Version

Azure DevOps Services

Filter by title

Azure DevOps Server 2022

RC1 Release Notes

SHA-256 Values

› Azure DevOps Server 2020

› Azure DevOps Server 2019

Team Foundation Server

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# Azure DevOps Server 2022 Release Notes

Article • 09/20/2022 • 26 minutes to read • 4 contributors

| Developer Community | System Requirements and Compatibility | License Terms | DevOps Blog | SHA-256 Hashes |

In this article, you will find information regarding the newest release for Azure DevOps Server.

To learn more about installing or upgrading an Azure DevOps Server deployment, see [Azure DevOps Server Requirements](#).

To download Azure DevOps Server products, visit the [Azure DevOps Server Downloads](#) page.

Direct upgrade to Azure DevOps Server 2022 is supported from Azure DevOps Server 2019 or Team Foundation Server 2015 or newer. If your TFS deployment is on TFS 2013 or earlier, you need to perform some interim steps before upgrading to Azure DevOps Server 2022. Please see the [Install](#) page for more information.

## Azure DevOps Server 2022 RC1 Release Date: August 9, 2022

### Summary of What's New in Azure DevOps Server 2022

#### Important

The Warehouse and Analysis Service was deprecated in the previous version of Azure DevOps Server (2020). In Azure DevOps Server 2022 the Warehouse and Analysis Service has been removed from the product. Analytics now provides the in-product reporting experience.

Azure DevOps Server 2022 introduces many new features. Some of the highlights include:

#### In this article

Azure DevOps Server 2022 RC1 Release Date: August 9, 2022

Boards

Pipelines

Repos

Show more



# All features

Filter by title

## Roadmap

- Released features
- > Release Notes
- > Documentation updates
- Subscribe to updates

Timeframe	Feature	Area	Server
2022 Q4	Maintain backlog hierarchy when filters are applied	Boards	Future
	Copy work item attachment url	Boards	Future
	Emoji support in work item tags	Boards	Future
	Ability to change link type from Web UI	Boards	Future
	Save Comment Improvements	Boards	Future
	Improvements in service connection usage history	Pipelines	Future
	.NET 6 agent to replace .NET Core 3.1 agent	Pipelines	Future
	Toggle to disable classic pipelines	Pipelines	Future
	All in-the-box tasks run on Node 16	Pipelines	Future
	Ship a Node 16 only agent in addition to the one that has all three versions (6, 10, 16)	Pipelines	Future
	Associate all public APIs with PAT scopes	General	2022.1
	Pull Request widget to allow for the selection of many repos	Reporting	Future
	Rollup columns for query results	Reporting	Future
	Show Link with Parent Name in Query Results Widget	Reporting	Future
	Pause and resume manual test execution	Test Plans	2022.1
	In-product recommendations for secure settings	Pipelines	Future
2023 Q1	Track repo cloning	Pipelines	Future
	Ability to download and install old runners on self-hosted agents	Pipelines	Future
	Ability to run tasks on next available Node version, if targeted version is not available	Pipelines	Future
	Removal of Node 6 and 10 from Microsoft hosted pools	Pipelines	Future
	Stop shipping Node 6 and Node 10 runners with the agent	Pipelines	Future
	Support Azure Managed Identities and Service Principals (Preview)	General	N/A
	Support for Cargo package manager for Rust	Artifacts	N/A
	Sort test plans by any column	Test Plans	2022.1
	Improved support for code coverage publishing within Azure Pipelines	Test Plans	Future
	Work Item support for Markdown editing	Boards	Future
	Swimlane rules on Kanban board	Boards	Future
2023 Q2	Secret-free deployments from Azure Pipelines (Preview)	Pipelines	Future
	Granular scopes for Azure Active Directory OAuth	General	N/A
	Automated team work item rules	Boards	Future
Future	Auditing GA	General	N/A
	Policies to disable alternate authentication credentials	General	N/A
	Full support for Conditional Access Policies	General	Future
	Access events for PAT, SSH will be available in the Auditing Log	General	Future
	Support Azure Managed Identities and Service Principals (GA)	General	N/A
	Package promote task in Azure Pipelines	Artifacts	Future
	Deprecate old Azure Artifacts tasks in Azure Pipelines and default to new, auth-only tasks	Artifacts	Future
	Improve GitHub Connection Experience	Boards	Future
	Support Flexible Orchestration mode in scale set agent pools	Pipelines	Future
	Support Pipelines App with GitHub Enterprise	Pipelines	Future

Download PDF

How to provide feedback



## Azure Developer Tools with Scott Hunter

Episode #1805 Thursday, August 4, 2022

How do you make it easier for developers to build apps in Azure? Carl and Richard talk to Scott Hunter about his new role focused on developer tooling for Azure. This means much more than .NET - Scott talks about tooling for Java, Android, Node, and more! The conversation ranges over how Azure can simplify development cycles, debugging, and monitoring in production, no matter what stack you're using. Scott also digs into Azure Container Apps, announced at Build 2022, making it easier to get started using containers for your applications, but not limiting how you use containers in the future!

### Guests:

#### **Scott Hunter**

Scott Hunter is the Director of Program Management on the .NET team at Microsoft. His team builds .NET Framework, .NET Core, ASP.NET, Entity Framework, the Managed Languages, Web and .NET Tooling.



### Links:

[Carl Franklin's Home Page](#)



Azure DevOps

Switch directory

Almost done...

Name your Azure DevOps organization

We'll host your projects in

West Europe

- ✓ West Europe
- Central US
- East Asia
- Brazil South
- Canada Central
- Australia East
- UK South
- South India



Data residency



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# Let's build from here, together.

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scale, and deliver secure software.

Email address

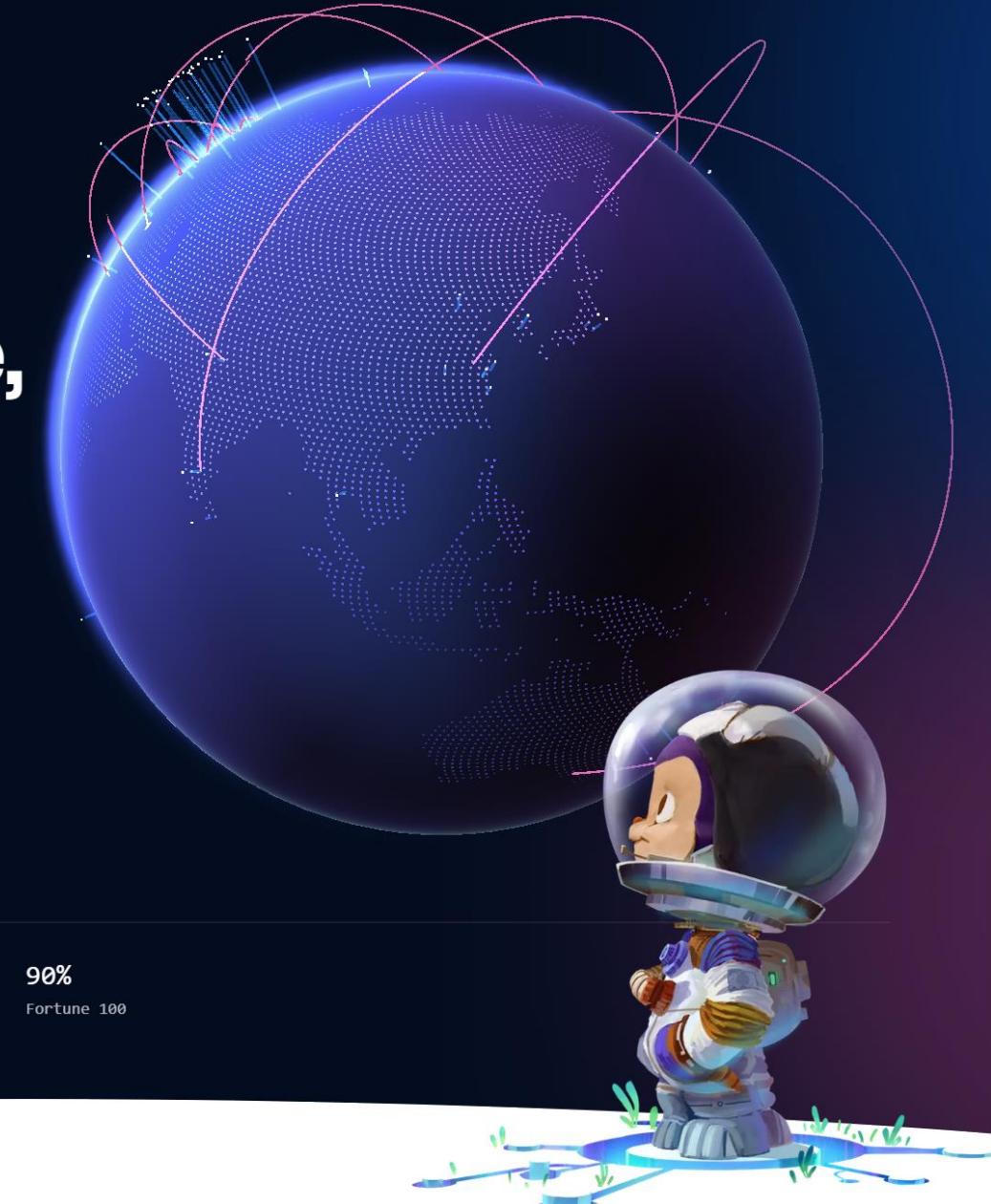
Sign up for GitHub

83+ million  
Developers

4+ million  
organizations

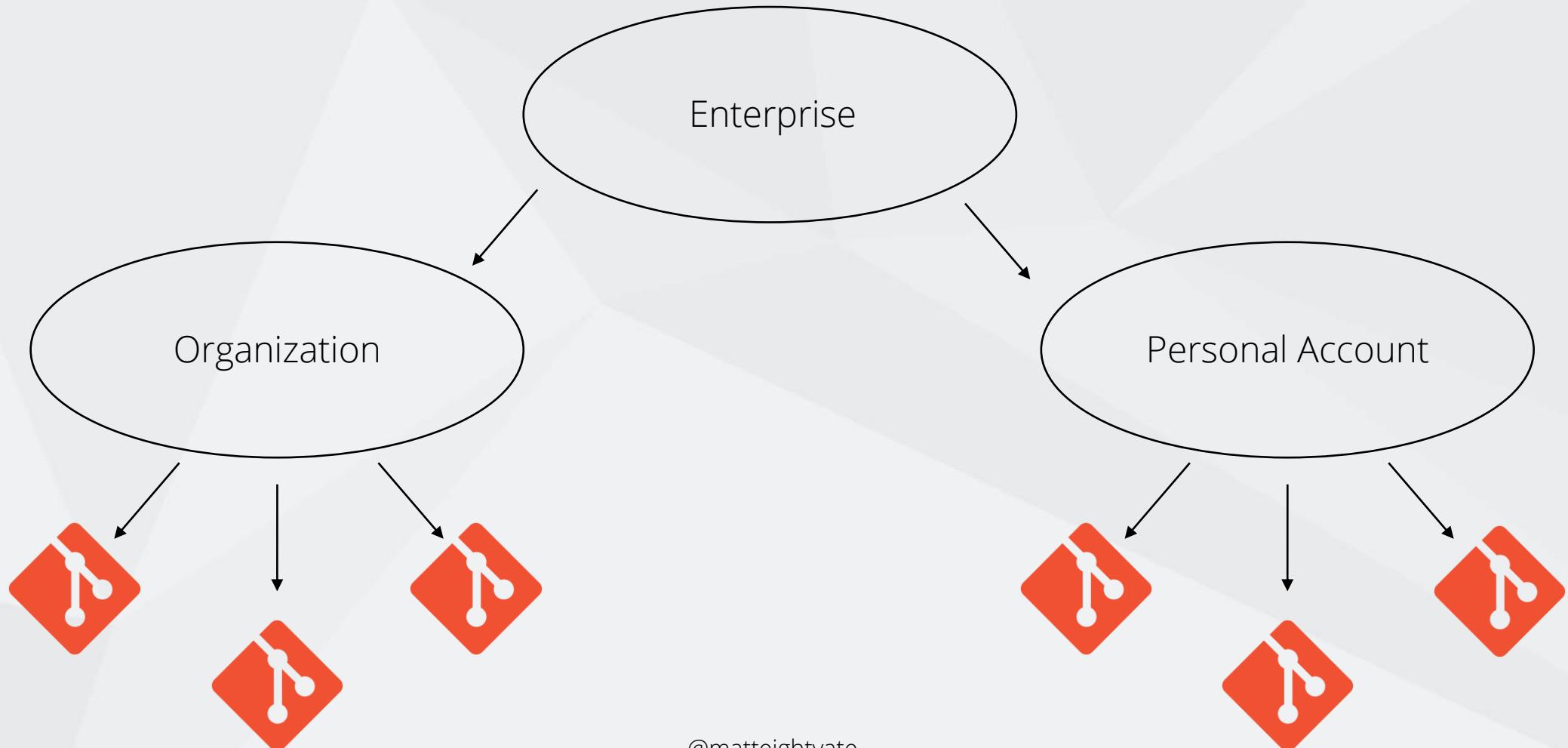
200+ million  
Repositories

90%  
Fortune 100





# GitHub Structure



Backlog

Board

+ New view

Filter by keyword or by field

## No Status 1

 NDCSydney2022 #2 ...

Booth - Ask the experts (with a schedule)

## Todo 4

 Draft

TV - organize professional photos of the event

 Draft

TV - confirm interview format depending on what space we get

 NDCSydney2022 #13

Planning - Create an event blueprint

 Draft

Rewards App - Allow scanning a QR code multiple times

## In Progress 8

 Draft

TV - interview room needs a TV/huge monitor

 NDCSydney2022 #5

Booth - add a raffle (e.g. based off rewards activity)

 NDCSydney2022 #21

Booth - Organise entertainment

 NDCSydney2022 #25

TV - confirm room setup beforehand (in case we need props)

 NDCSydney2022 #29

TV - shared calendar of interview schedule

 NDCSydney2022 #11

Booth - Promote MAUI

 NDCSydney2022 #20

Booth - Assign someone to send messages on Slack inviting attendees to our booth

 NDCSydney2022 #9

Booth - Come up with "the pitch" before the event with everyone saying the same thing

## Done 20

 NDCSydney2022 #17

TV - have a sign (recording in progress)

 NDCSydney2022 #8

Booth - Check with Adam what he prefers: airbrush or permanent tattoos

 NDCSydney2022 #6

Booth - add Booth Master

 NDCSydney2022 #15

Planning - Organise a floorplan/layout

 NDCSydney2022 #16

TV - Create email/message templates to reach out to speakers

 NDCSydney2022 #24

TV - have a trello board of interviews (there is a calendar power up)

 NDCSydney2022 #26

TV - Invite NDC speakers to SSW office for a user group livestream

 NDCSydney2022 #27

TV - Get access to NDC Speaker channel on Slack

 NDCSydney2022 #28

TV - go through the dailies (avoid full SD cards)

 NDCSydney2022 #30

TV - add Interview Master (eg Matt - not on the recording team)

 NDCSydney2022 #4

# GitHub Flavoured Markdown

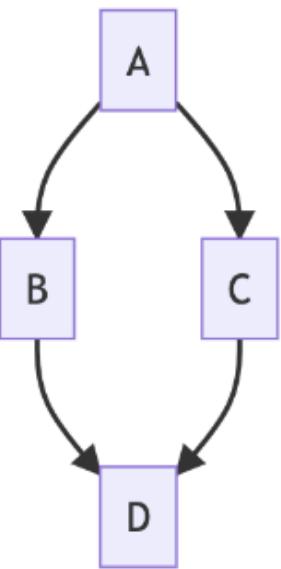
- Diagrams
- Maps
- Copy/paste images
- Videos



Here is a simple flow chart:

```
```mermaid
graph TD;
    A-->B;
    A-->C;
    B-->D;
    C-->D;
````
```

Here is a simple flow chart:





```
```geojson
{
  "type": "FeatureCollection",
  "features": [
    {
      "type": "Feature",
      "id": 1,
      "properties": {
        "ID": 0
      },
      "geometry": {
        "type": "Polygon",
        "coordinates": [
          [
            [
              [-90,35],
              [-90,30],
              [-85,30],
              [-85,35],
              [-90,35]
            ]
          ]
        ]
      }
    }
  ]
}
```

```



# Youtube - app crash when trying to check YouTube subscription #400

[Edit](#)[New issue](#)[Open](#)

wickspedia opened this issue 10 days ago · 1 comment



wickspedia commented 10 days ago

Member



...

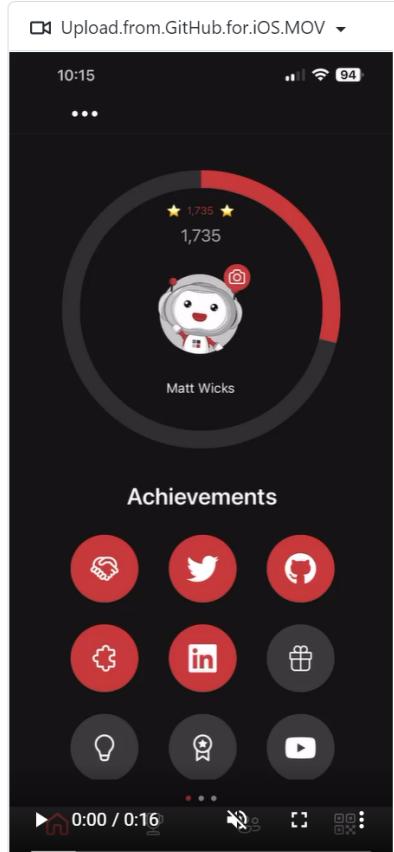
1. Log into SSW Rewards
2. Click on YouTube icon
3. Enter username
4. Click save
5. Wait

**expected result**

Points awarded or notification that username doesn't exist/ already subscribed

**actual result**

App crash

**Assignees**

No one—assign yourself

**Labels**

None yet

**Projects**

None yet

**Milestone**

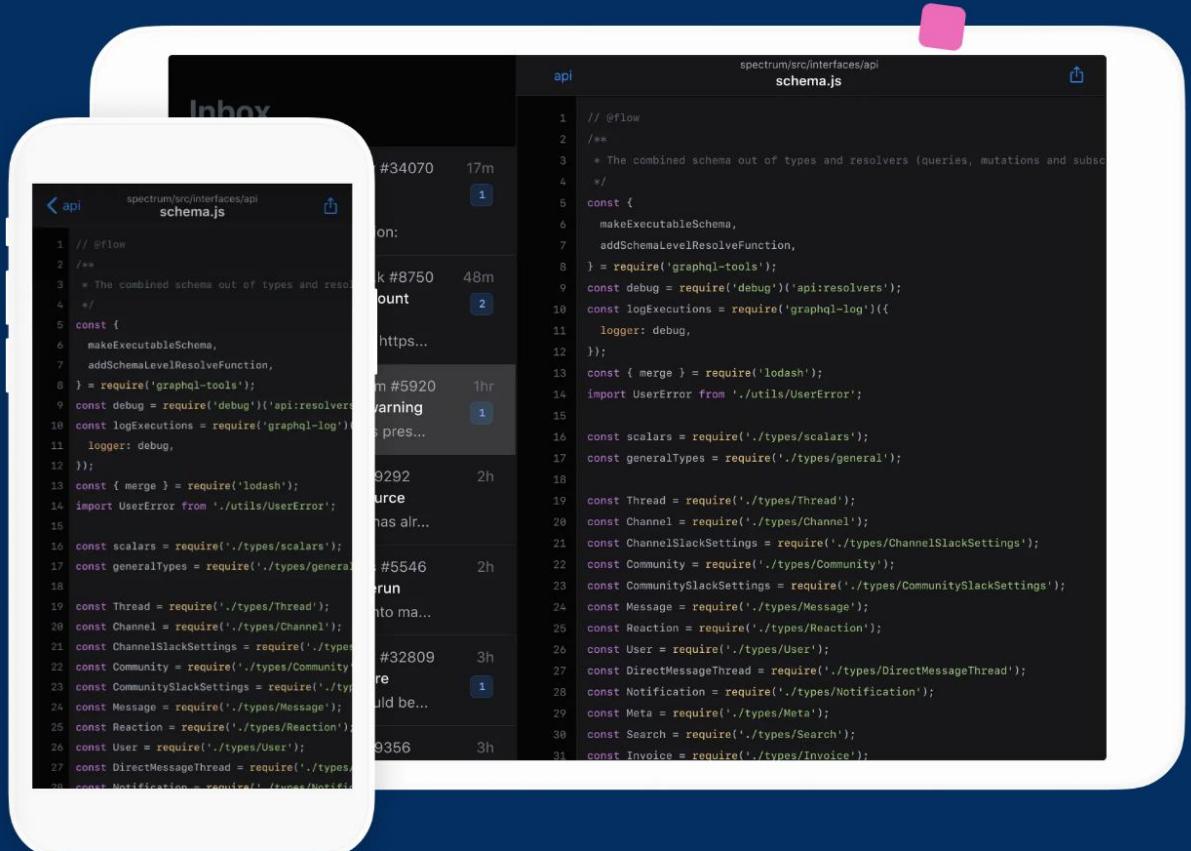
No milestone

**Development**[Create a branch for this issue or link a pull request.](#)**Notifications**[Customize](#) [Unsubscribe](#)

You're receiving notifications because you were mentioned.

**2 participants** [Lock conversation](#) [Pin issue](#) [Transfer issue](#) [Delete issue](#)

**Bring GitHub,  
wherever you build**



github / Projects / GitHub public roadmap

Search or jump to...

### GitHub public roadmap

Board Table Generally available Cloud (github.com) Server (GHEs) GitHub Advanced Security GitHub Issues

-status:"Q4 2021 – Oct-Dec" -status:"Q1 2022 – Jan-Mar" -status:"Q2 2022 – Apr-Jun" -status:"Q3 2022 – Jul-Sep" 93 X

| Title  | Status            | Labels   |
|--|-------------------|--|
| 184 ⚡ Billing Usage API #246   | Q4 2022 – Oct-Dec | admin-cloud beta billing cloud github enterprise                         |
| 185 ⚡ Kotlin security analysis support in CodeQL code scanning (public beta) #207            | Q4 2022 – Oct-Dec | ae beta codeql github advanced security security & compliance server     |
| 186 ⚡ Improved control over Personal Access Tokens (PATs) #184                               | Q4 2022 – Oct-Dec | all beta ecosystem   |
| 187 ⚡ GitHub Enterprise budgets for organizations and services #178                          | Q4 2022 – Oct-Dec | admin-cloud billing ga github enterprise                                 |
| 188 ⚡ Actions: GitHub Enterprise Server can support Google Cloud Storage #64                 | Q4 2022 – Oct-Dec | actions ga github enterprise server                                      |
| 189 ⚡ Actions: Required workflows #52  | Q4 2022 – Oct-Dec | actions beta cloud github enterprise                                     |
| 190 ⚡ [Private Beta] Issue Hierarchy powered by [tasklists] #284                             | Q4 2022 – Oct-Dec | all beta cloud planning  |
| 191 ⚡ Projects: Timeline View #278   | Q4 2022 – Oct-Dec | all beta cloud planning  |
| 192 ⚡ Commenting on unchanged lines in a pull request #347                                   | Q4 2022 – Oct-Dec | all cloud code ga server   |
| 193 ⚡ Precise code navigation for JavaScript and TypeScript #371                             | Q4 2022 – Oct-Dec | all cloud code ga  |
| 194 ⚡ Pull Request Merge Queue #370  | Q4 2022 – Oct-Dec | all cloud code ga github enterprise server                               |
| 195 ⚡ npm: Enforcing 2FA for high-impact projects #464                                       | Q4 2022 – Oct-Dec | all ga npm   |
| 196 ⚡ Commenting on unchanged lines in a pull request (GHEs) #456                            | Q4 2022 – Oct-Dec | code github enterprise server  |
| 197 ⚡ Secret scanning: Scan issues, discussions, pull request descriptions, and comment #450 | Q4 2022 – Oct-Dec | beta cloud github advanced security security & compliance server         |
| 198 ⚡ Admins can block noncompliant branch and tag names #477                                | Q4 2022 – Oct-Dec | cloud code ga github enterprise  |
| 199 ⚡ Admins can block commits with noncompliant messages #476                               | Q4 2022 – Oct-Dec | cloud code ga GHES 3.6 github enterprise                                 |
| 200 ⚡ Ruby support for CodeQL code scanning (GA) #491  | Q4 2022 – Oct-Dec | cloud codeql ga github advanced security security & compliance           |
| 201 ⚡ Users can comment when dismissing code scanning alerts (GHEs) #489                     | Q4 2022 – Oct-Dec | ga github advanced security security & compliance server shipped         |
| 202 ⚡ Code scanning alerts on the PR's Conversation tab (GHEs) #488                          | Q4 2022 – Oct-Dec | codeql ga GHES 3.7 github advanced security security & compliance server |
| 203 ⚡ Dependency submission API (server beta) #486   | Q4 2022 – Oct-Dec | all beta GHES 3.7 security & compliance server                           |
| 204 ⚡ Admins can require PR approvals to be from people who didn't contribute to the #516    | Q4 2022 – Oct-Dec | all cloud code ga  |
| 205 ⚡ Actions: More powerful macOS runners are now available for GitHub-hosted runn #506     | Q4 2022 – Oct-Dec | actions beta github enterprise   |
| 206 ⚡ Actions: Seamless management of GitHub-hosted & self-hosted runners #504               | Q4 2022 – Oct-Dec | actions beta github enterprise   |
| 207 ⚡ GHEs: SCIM support for user provisioning and group management #519                     | Q4 2022 – Oct-Dec | admin-server ga GHES 3.7 github enterprise                               |
| 208 ⚡ Actions: Self-hosted runner auto-scaling support for Kubernetes #555                   | Q4 2022 – Oct-Dec | actions cloud ga github enterprise server                                |
| 209 ⚡ Users can browse repositories more efficiently using a tree of folders and files #553  | Q4 2022 – Oct-Dec | all cloud code ga  |
| 210 ⚡ Reply to PR-level comments #552  | Q4 2022 – Oct-Dec | all code ga server   |
| 211 ⚡ Mermaid diagrams can be displayed within Markdown #541                                 | Q4 2022 – Oct-Dec | all code ga GHES 3.7 server  |





Making the move

# MIGRATE ALL THE THINGS



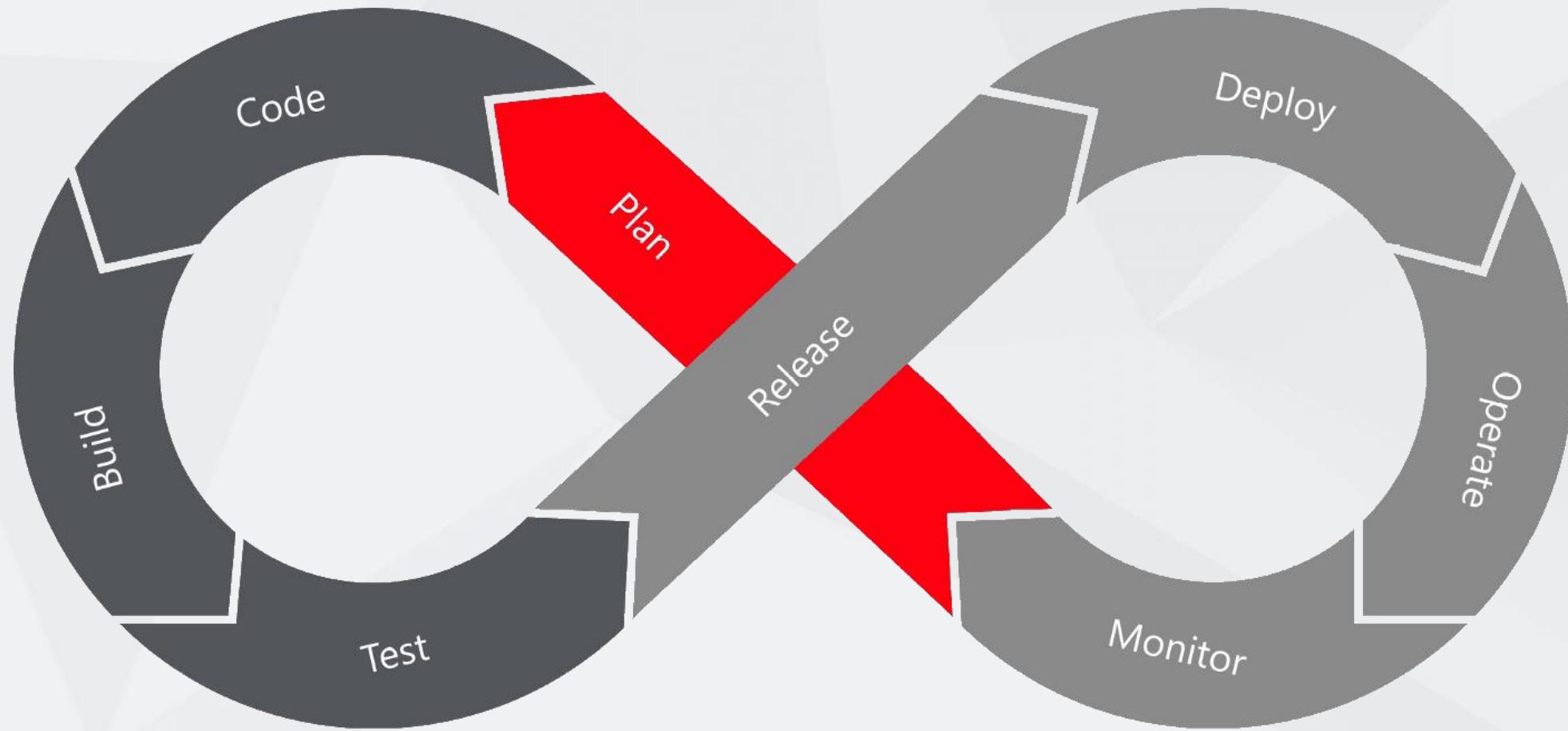


# GitHub Enterprise Importer

- Was Octoshift (cooler name IMHO)
- Installed as an extension to the GitHub CLI  
<https://github.com/github/gh-gei>
- Repos, pull requests, some branch policies
-  Pipelines
- Work items, artifacts, test plans, releases, dashboards, and permissions

# First Impressions





**“Plans are worthless, but planning is everything”**

Dwight D. Eisenhower

34<sup>th</sup> US President



## SSW.Induction Team

Backlog

Analytics

+ New Work Item

View as Board

Column Options

...

Backlog items



Forecasting based on velocity of 20

| Forecast | Order | Work Item Type  | Title   | State     | Effort |
|----------|-------|-----------------|---|-----------|--------|
| +        | 1     | Product Backlog | Azure Search - Fix backlog search results                           | New       | 8      |
|          | 2     | Product Backlog | Delete Unused Code  | New       |        |
|          | 3     | Product Backlog | Cross Site Request Forgery  | New       |        |
|          | 4     | Product Backlog | Approvals - Add the ability to have any x of y approvers            | New       | 8      |
|          | 5     | Bug             | Outdated references to TFS need updating to Azure DevOps            | New       |        |
|          | 6     | Product Backlog | Fix print link - SSW Employment Guidelines                          | New       | 2      |
|          | 7     | Product Backlog | Re-enable Company User Accounts                                     | New       |        |
|          | 8     | Bug             | SugarLearning - Print view content not displaying in incognito mode | New       | 2      |
|          | 9     | Product Backlog | Rewrite pipelines from Octopus to Azure DevOps                      | Committed | 16     |
|          | 10    | Product Backlog | Switch user naming convention default to Western                    | Committed | 1      |
|          | 11    | Product Backlog | Admin Leaderboard - Create a 2nd leaderboard for approvals          | Committed | 8      |
|          | 12    | Product Backlog | Approvals done - Rework the page                                    | Approved  |        |
|          | 13    | Product Backlog | CSS - Improve admin notification contrast                           | Committed | 1      |
|          | 14    | Product Backlog | UI - Improve breadcrumb & remove redundant links                    | New       |        |
|          | 15    | Product Backlog | Cleanup unused imports in WebUI                                     | New       |        |
|          | 16    | Bug             | Editor - Switching Editor Mode loses any content added before       | New       | 4      |
|          | 17    | Product Backlog | Learning Item - Improve perceived performance                       | New       |        |
|          | 18    | Product Backlog | Add notes to email notifications about new and updated items        | Committed | 4      |
|          | 19    | Product Backlog | Suggestion: Ability to group Modules                                | Committed | 8      |
|          | 20    | Product Backlog | Make text search to return all results                              | New       |        |
|          | 21    | Product Backlog | Add functionality to "Archive" an item                              | New       |        |
|          | 22    | Product Backlog | Module names - character limit                                      | Committed |        |
|          | 23    | Product Backlog | Resolve the authentication issues on development caused by          | Committed | 2      |
|          | 24    | Product Backlog | Docs   Add SugarLearning setup instructions for Mac users           | Committed | 2      |

Release 2

## Planning

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

## SSW.Induction Team Backlog

Sprint 90

Planned Effort: 50

16 🐛 3 📈 7

Current

15-03-2022 - 22-03-2022

6 working days

## Release 2

Planned Effort: 1139

307 🐛 99 📈 1498

+ New Sprint



# Azure Boards Feature Roadmap



today

Public Preview

End Q3

Private Preview

## Teams



September

October

November

## Azure Boards

### Features

Sprint 176

9/7 - 9/25



Allow the combinin...

Completed

Sprint 177

9/28 - 10/16



Support for work ite...

Completed

Sprint 178

10/19 - 11/6



Delivery Plans 2.0: Fit and Polish

In Progress

Sprint 179

11/9 - 11/27



Delivery Plans 2.0 (Private Preview)

Completed

Delivery Plans 2.0: Depend...

In Progress

Customize Work Ite...

Completed

Disable Assigned To...

Completed

Delivery Plans: Rollu...

In Progress



## SSW.Rewards



Backlog Sprint Board | + New view

-status:Done 102 ×

| Title  | Assignees                     | Status | Sprint   | Estimate | Labels |
|--|-------------------------------|--------|----------|----------|--------|
| 7 Create quizzes #353  |                               | Todo   |          | 100      |        |
| 8 Quiz CRUD functionality #381   | JackDevAU and matt-goldman    | Todo   | Sprint 9 | 16       |        |
| 9 .NET quiz #360   | lukecookssw                   | Todo   | Sprint 9 | 4        |        |
| 10 Azure quiz #362   | wicksipedia                   | Todo   | Sprint 9 | 4        |        |
| 11 Consulting quiz #365  |                               | Todo   |          | 4        |        |
| 12 Scrum quiz #364   |                               | Todo   |          | 4        |        |
| 13 GitHub quiz #361  |                               | Todo   |          | 4        |        |
| 14 CSS quiz #359   |                               | Todo   |          | 4        |        |
| 15 Javascript quiz #358  |                               | Todo   |          | 4        |        |
| 16 Power Platform quiz #363  |                               | Todo   |          | 4        |        |
| 17 React quiz #357   |                               | Todo   |          | 4        |        |
| 18 Blazor quiz #356  |                               | Todo   |          | 4        |        |
| 19 MAUI quiz #355  | matt-goldman                  | Todo   |          | 4        |        |
| 20 Angular quiz #354   |                               | Todo   |          | 4        |        |
| 21 Daily questions #371  |                               | Todo   |          | 100      |        |
| 22 Daily Question screen in the app #372                                       | jaydenalchin and matt-goldman | Todo   | Sprint 9 | 16       |        |
| 23 Users can submit answer for Daily Question #374                             |                               | Todo   |          | 2        |        |
| 24 Users receive points for correct answer #375                                |                               | Todo   |          | 2        |        |
| 25 Daily Question CRUD in the Admin Portal #376                                |                               | Todo   |          | 8        |        |
| 26 Social Media integration #366   |                               | Todo   |          | 100      |        |
| 27 Add GitHub username and LinkedIn username/email to user's profile page #367 |                               | Todo   |          | 16       |        |

+ You can use **Ctrl + Space** to add an item



## SSW.Rewards



Backlog  Sprint Board + New view

-status:Done

Layout



Table



Board

Title

7 Create

8 Quiz C

9 .NET qu

10 Azure c

11 Consult

12 Scrum

13 GitHub

14 CSS qu

15 Javascr

16 Power

17 React q

18 Blazor quiz #356

19 MAUI quiz #355

20 Angular quiz #354

21 Daily questions #371

22 Daily Question screen in the app #372

23 Users can submit answer for Daily Question #374

24 Users receive points for correct answer #375

25 Daily Question CRUD in the Admin Portal #376

26 Social Media integration #366

27 Add GitHub username and LinkedIn username/email to user's profile page #367

fields: 6 visible, 4 hidden

group: none

sort: manual

filter: -status:Done

Ctrl F

Generate chart

Rename view

Duplicate view

Delete view

| ... | Assignees                     | ... | Status | ... | Sprint   | ... | Estimate | ... | Labels               | ... | + |
|-----|-------------------------------|-----|--------|-----|----------|-----|----------|-----|----------------------|-----|---|
|     |                               |     | Todo   |     |          |     | 100      |     | epic NDC Requirement |     |   |
|     | JackDevAU and matt-goldman    |     | Todo   |     | Sprint 9 |     | 16       |     | NDC Requirement      |     |   |
|     | lukecookssw                   |     | Todo   |     | Sprint 9 |     | 4        |     | NDC Requirement      |     |   |
|     | wicksipedia                   |     | Todo   |     | Sprint 9 |     | 4        |     | NDC Requirement      |     |   |
|     |                               |     | Todo   |     |          |     | 4        |     | NDC Requirement      |     |   |
|     |                               |     | Todo   |     |          |     | 4        |     | NDC Requirement      |     |   |
|     |                               |     | Todo   |     |          |     | 4        |     | NDC Requirement      |     |   |
|     |                               |     | Todo   |     |          |     | 4        |     | NDC Requirement      |     |   |
|     |                               |     | Todo   |     |          |     | 4        |     | NDC Requirement      |     |   |
|     |                               |     | Todo   |     |          |     | 4        |     | NDC Requirement      |     |   |
|     | matt-goldman                  |     | Todo   |     |          |     | 4        |     | NDC Requirement      |     |   |
|     |                               |     | Todo   |     |          |     | 4        |     | NDC Requirement      |     |   |
|     |                               |     | Todo   |     |          |     | 4        |     | NDC Requirement      |     |   |
|     |                               |     | Todo   |     |          |     | 100      |     | epic NDC Requirement |     |   |
|     | jaydenalchin and matt-goldman |     | Todo   |     | Sprint 9 |     | 16       |     | NDC Requirement      |     |   |
|     |                               |     | Todo   |     |          |     | 2        |     | NDC Requirement      |     |   |
|     |                               |     | Todo   |     |          |     | 2        |     | NDC Requirement      |     |   |
|     |                               |     | Todo   |     |          |     | 8        |     | NDC Requirement      |     |   |
|     |                               |     | Todo   |     |          |     | 100      |     | epic NDC Requirement |     |   |
|     |                               |     | Todo   |     |          |     | 16       |     | NDC Requirement      |     |   |

+ You can use **Ctrl** + **Space** to add an item



## SSW.Rewards

Backlog Sprint Board New view

-status:Done 102

Save changes

Todo 97

SSW.Rewards #353  
Create quizzes

SSW.Rewards #381  
Quiz CRUD functionality

SSW.Rewards #360  
.NET quiz

SSW.Rewards #362  
Azure quiz

SSW.Rewards #365  
Consulting quiz

SSW.Rewards #364  
Scrum quiz

SSW.Rewards #361  
GitHub quiz

+ Add item

Approved 0

SSW.Rewards #206  
Increment Build version as part of GitHub Actions

SSW.Rewards #174  
API: Upgrade to .NET 6

SSW.Rewards #225  
Revert changes upon beginning V2 admin portal

SSW.Rewards #333  
API deployment pipelines

SSW.Rewards #332  
Infra pipelines

+ Add item

In Progress 5

SSW.Rewards #206  
Increment Build version as part of GitHub Actions

SSW.Rewards #174  
API: Upgrade to .NET 6

SSW.Rewards #225  
Revert changes upon beginning V2 admin portal

SSW.Rewards #333  
API deployment pipelines

SSW.Rewards #332  
Infra pipelines

+ Add item



## ← Insights

Insights

Configure

Default charts

Status chart

Custom charts

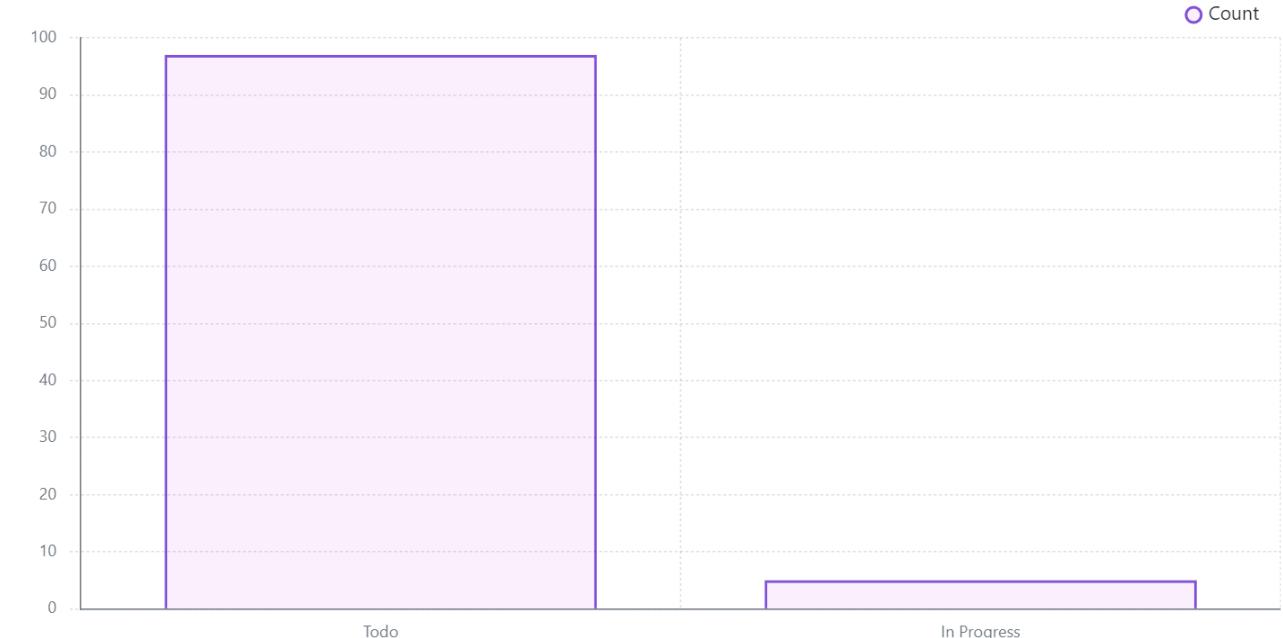
Chart 1

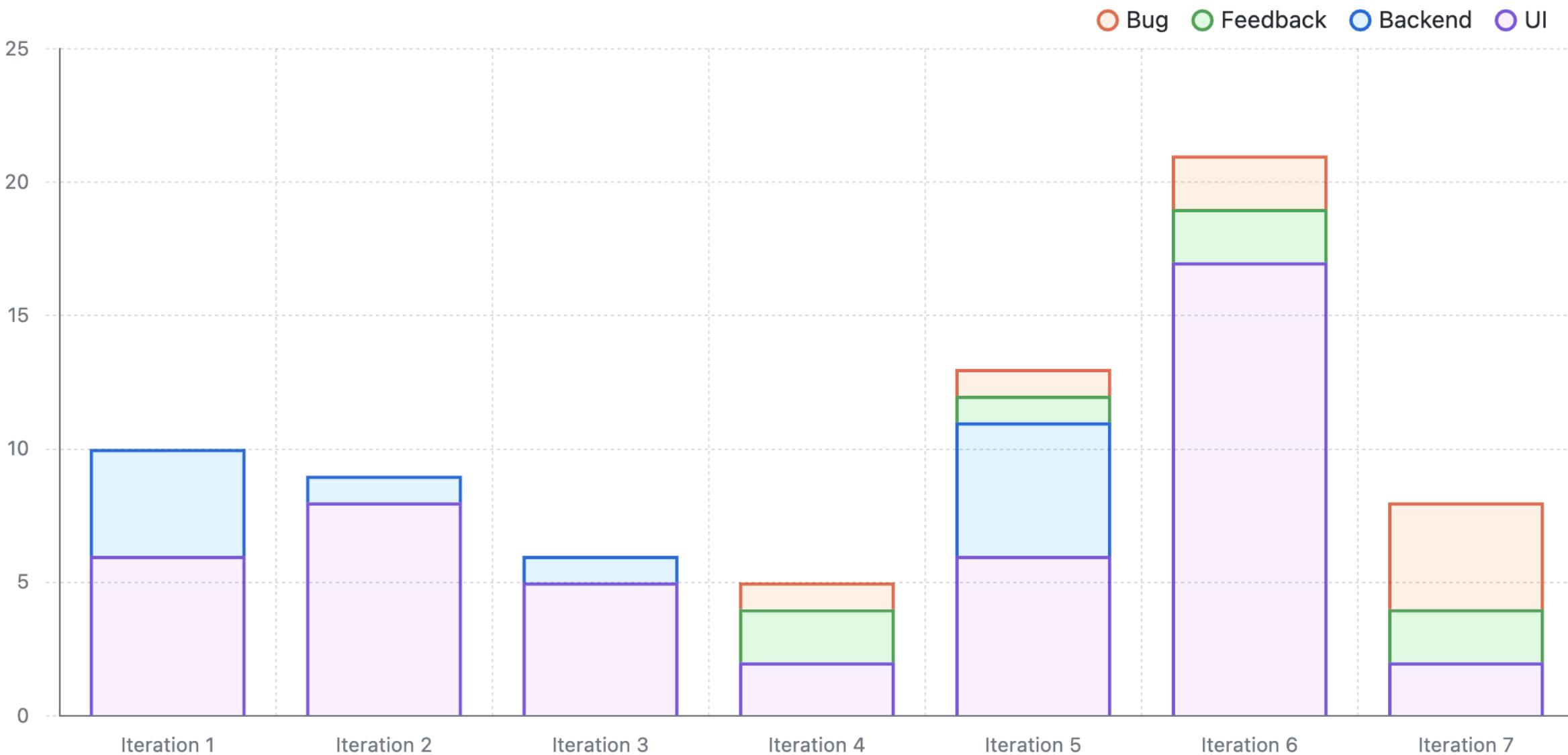
+ New chart

## Status chart

This chart shows the current status for the total number of items in your project.

-status:Done 102





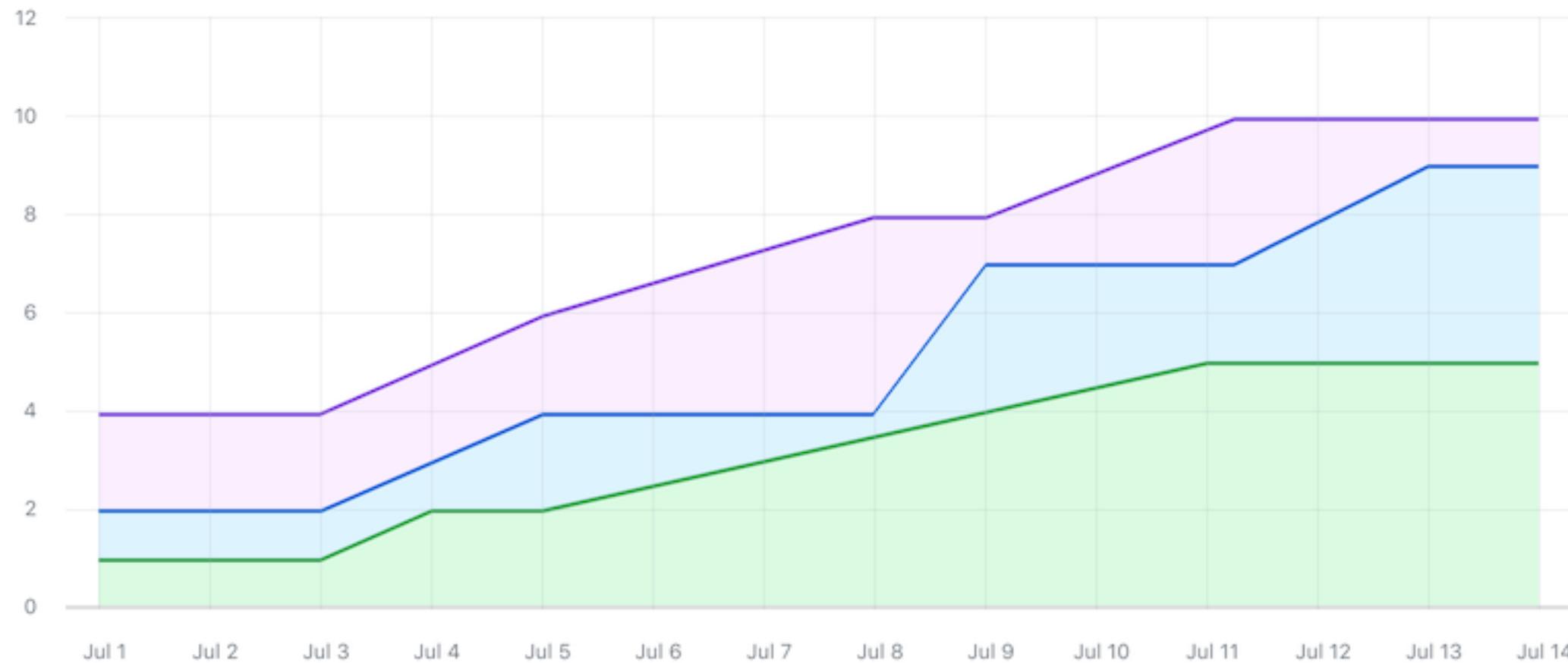
Sprint: "@current" 13 X



2W 1M 3M Max

Custom range ▾

To do In progress Done



← → 🔍 https://github.com/community/community/discussions

Search or jump to... Pull requests Issues Marketplace Explore

community / community (Public)

Watch 457 Fork 1.5k Star 4.5k

Code Pull requests 11 Discussions Actions Security Insights

This is a special repository containing the organization level discussions for community. Everything posted here will also be visible at the organization level. [View organization discussions](#)

Discover The difference between fo... fernandez

New to GitHub Happy Hacktober [N... queenofcorgis

API and Webhooks API and Webhooks Mini... ghostinhershell

Actions and Packages Github Larger Hosted R... lkfortuna

Search all discussions Sort by: Latest activity Label Filter New discussion

Categories

- [View all discussions](#)
- Announcements
- Discover
- General
- GitHub Education
- New to GitHub
- Polls
- Welcome Center
- Product feedback
  - Accessibility
  - Actions and Packages
  - API and Webhooks
  - Code Search and Navigation
  - Code Security
  - Codespaces
  - Copilot
  - Discussions
  - Feed
  - Issues
  - Lists
  - Mobile

Discussions

- [Projects Beta] Table view that lists Pull Requests instead of Issues AlexanderVitecsoftware asked 13 days ago in Issues · [Answered](#) 2
- Register now for GitHub Universe 2022 tuves announced 2 days ago in Announcements 48
- KKP Start Saving ເລີ່ມທີ່ບໍ່ມີ : 200-623955-6 naypech008 started 18 minutes ago in Discover 0
- Android: Open external links within the Mobile App Aru-Ku asked 4 days ago in Mobile · [Unanswered](#) 2
- Introducing Projects on GitHub Mobile! (public beta) candyho asked 2 days ago in Mobile · [Unanswered](#) 16
- I am unable to create GitHub Code space Shashank-GK asked 1 hour ago in Codespaces · [Unanswered](#) 0
- Hi about this Speedy.exe KISS-MY-WEEED asked 9 hours ago in Profile · [Unanswered](#) 4
- Make "Unchanged files with check annotations" section collapsible valerie-maher asked on Dec 4, 2021 in Pull Requests · [Unanswered](#) 3
- Meet Your GitHub Community Team! escrapana16 started on Aug 9 in Welcome Center 16

https://github.com/community/community/discussions/4264

Search or jump to... Pull requests Issues Marketplace Explore

Watch 457 Fork 1.5k Star 4.5k

community / community Public

Code Pull requests 11 Discussions Actions Security Insights

This is a special repository containing the organization level discussions for community. Everything posted here will also be visible at the organization level. View organization discussions

## Make issue forms available on private repositories #4264

Unanswered labrose asked this question in Issues

labrose on Jun 24, 2021

I want to be able to use issue forms within my private or internal repositories.

468 267 1 116 94

96 suggested answers · 157 replies

Oldest Newest Top

Timmy-nlb on Jun 25, 2021

Yes, it would be extremely useful in the enterprise cloud environment!

47 33 18 1 reply

wojtekxxt 14 days ago

Outside of ECE also :)

Write a reply

rytswd on Jun 26, 2021

This would be certainly a great addition for private repos as well. I work for a fintech company, where strict audits take place.

### Background

In strictly regulated environments, repositories are kept private, and git commits are an important part of the audit. Because GitHub's Issues and Pull Requests can gather most of the relevant information around each commit and change, auditors also take a close look at Issues, Pull Requests, and templates being used for both. As any edits to Issue description can be tracked, Issues in private repos are especially useful to discuss sensitive matters, while maintaining auditability.

### Use cases

There are some specific use cases I would love to use Issue Forms with:

1. A dedicated issue form can be created for incident tracking, such as impact analysis, exact duration, root cause analysis, potential resolutions, preventive actions, etc. Pull Request to fix the underlying root cause can be tied to the issue, providing the full clarity how

Category Issues

Labels Enhancement Issue Forms Issues

31 participants

and others

Notifications

Subscribe

You're not receiving notifications from this thread.

https://github.com/community/community/discussions/35791

Search or jump to... Pull requests Issues Marketplace Explore

Watch 457 Fork 1.5k Star 4.5k

community / community Public

Code Pull requests 11 Discussions Actions Security Insights

This is a special repository containing the organization level discussions for community. Everything posted here will also be visible at the organization level. View organization discussions

## Introducing Projects on GitHub Mobile! (public beta) #35791

Unanswered candyho asked this question in Mobile

candyho 2 days ago Collaborator

edited ...

Shipped 1d

github / projects-on-mobile 2d Bring Projects to GitHub Mobile #48 Epic Tracking Shipped 1/3 4/8 16 Iteration 4 Single select Milestone

Version 2 8

Android 12

github / projects-on-mobile 1d Remove flag to make feature available #47 Final Milestone Android 1/2 1/3 4/8 16 Iteration 4

iOS 16

### GitHub Mobile Projects on the go

Hey everyone,

We're excited to introduce GitHub Projects support on GitHub Mobile, now in public beta! You can now view and manage projects on the go. We would love for you to try it out and give us your early feedback here - Do you find the feature useful? What else do you want us to support and why?

#### How do I test this

If you are already a beta user - simply update to the latest beta builds through TestFlight for iOS or Google Play Store for Android.

If you are not a beta user yet, join GitHub Mobile beta program through the links below:

[Join iOS TestFlight](#)  
[Join Google Play Beta](#)

#### Feature highlights

Category: Mobile

Labels: Feedback Wanted, ANNOUNCEMENT, Beta

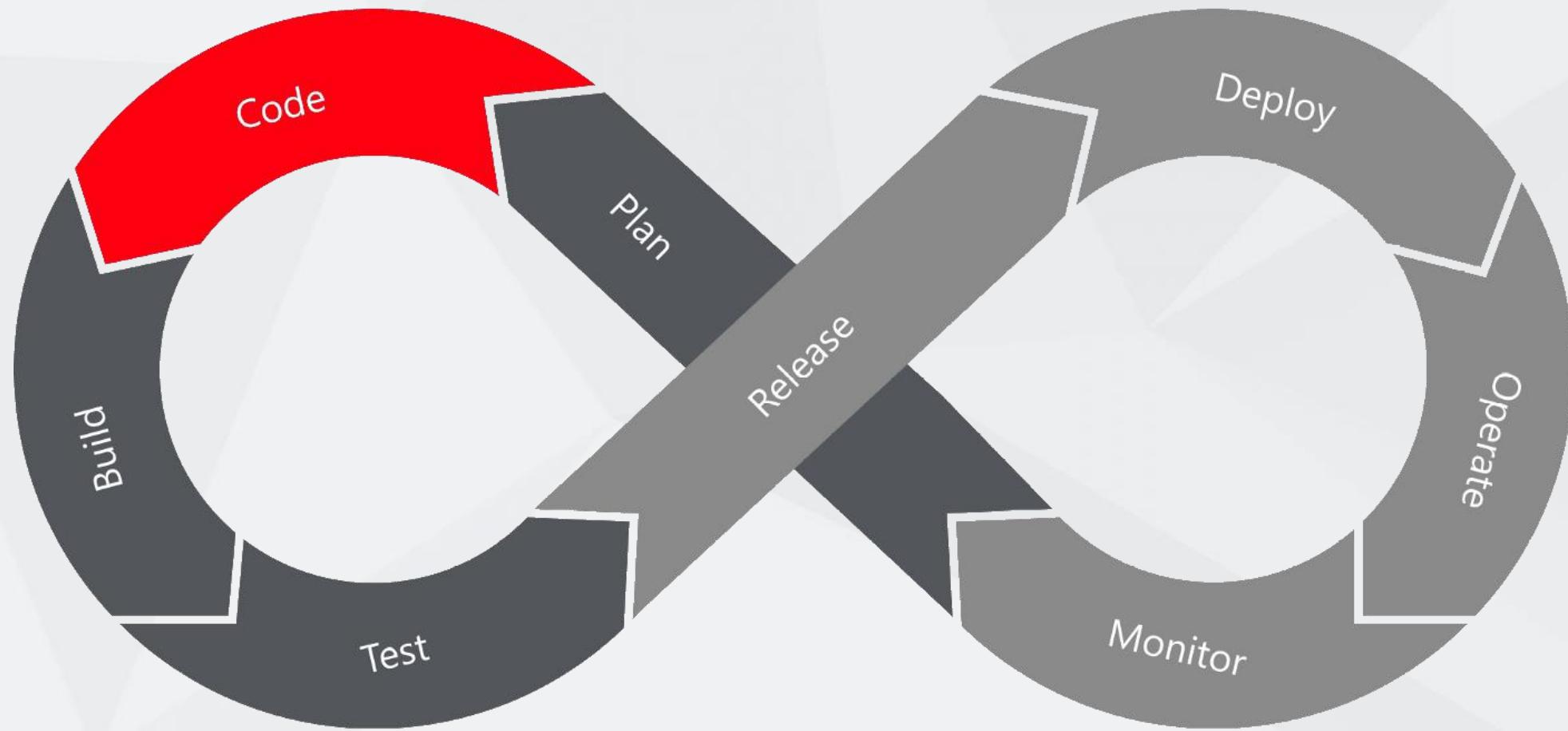
9 participants

Notifications: Subscribe

You're not receiving notifications from this thread.

# Planning







# Blazing fast cloud developer environments

Visual Studio Code backed by high performance VMs that start in seconds.

[Get started >](#)

Desktop  Browser

mona-github-github-g59jqpq2w5w7.github.dev

EXPLORER

GITHUB

.devcontainer

- build-devcontainer.sh
- devcontainer.json
- on-create-command.sh
- post-attach-command.sh
- setup-devcontainer.sh
- ssh
- welcome\_message.txt

.github

.vscode

app

api

assets

components

controllers

helpers

emotion.rb

```
attr_reader :label
attr_reader :pronounceable_label
# Public: Get the Emoji that this reaction's content represents.
#
# Returns an Emoji.
attr_reader :emoji_character
def initialize(content:, label: nil, pronounceable_label: nil, emoji_character: nil)
  @content = content
  @label = label || @content
  @pronounceable_label = pronounceable_label || @label
  @emoji_character = emoji_character || Emoji.find_by_alias(@content)
  @platform_enum = @pronounceable_label.gsub(" ", "_").upcase
end
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

1: zsh

[09:43:36] Starting 'watch-extension:vscode-api-tests'...
[09:43:36] Finished 'clean-extensiontypescript-language-features' after 248 ms

main Current branch

0 ↓ 1 ↑

css-changes

0 ↓ 6 ↑

CPUs up to **32 cores**

Memory up to **64 GB**



ssw / SSW.Induction / Repos / Pull requests / SSW.Induction

## Adding copy to clipboard button on Email template

Completed !4061 RD Ravi Dhaduk Ravi/CopyBtnForEmails into master All comments resolved

Overview Files Updates Commits Conflicts

Ravi Dhaduk completed this pull request Jul 21

Cherry-pick

### Merged PR 4061: Adding copy to clipboard button on Email template

79120dab RD Ravi Dhaduk Jul 21 at 10:51 AM

Show details

All required checks succeeded

[View 3 checks](#)

Required reviewers have approved

## Checks

### Required

- SSW.SugarLearning.CI Build succeeded
- Work items must be linked Succeeded
- Comments must be resolved Succeeded



## Make the repository public! 🎉

master

[Browse files](#)



bkeepers committed on GitHub 29 minutes ago

1 parent 633037c

commit 1cd3afc664ff606552471a85bd602aa962524334

Showing 1 changed file with 1 addition and 1 deletion.

[Unified](#) [Split](#)

2 2 .github/settings.yml

[View](#)

```
diff --git a/.github/settings.yml b/.github/settings.yml
--- a/.github/settings.yml
+++ b/.github/settings.yml
@@ -3,7 +3,7 @@ repository:
 3   3     homepage: https://probot.github.io/
 4   4     has_wiki: true
 5   5     has_projects: false
 6   6     - private: true
 6   6     + private: false
 7   7
 8   8     # Labels: define labels for Issues and Pull Requests
 9   9     labels:
```

Repo settings (Policy) as code - <https://probot.github.io/apps/settings/>



### ☰ README.md

```
# "triage" - Recommended for contributors who need to proactively manage issues and pull requests without permission: admin
- name: docs
  permission: push

branches:
- name: master
  # https://docs.github.com/en/rest/reference/repos#update-branch-protection
  # Branch Protection settings. Set to null to disable
  protection:
    # Required. Require at least one approving review on a pull request, before merging. Set to null to disable required_pull_request_reviews:
    # The number of approvals required. (1-6)
    required_approving_review_count: 1
    # Dismiss approved reviews automatically when a new commit is pushed.
    dismiss_stale_reviews: true
    # Blocks merge until code owners have reviewed.
    require_code_owner_reviews: true
    # Specify which users and teams can dismiss pull request reviews. Pass an empty dismissal_restrictions:
    dismissal_restrictions:
      users: []
      teams: []
  # Required. Require status checks to pass before merging. Set to null to disable
  required_status_checks:
    # Required. Require branches to be up to date before merging.
    strict: true
    # Required. The list of status checks to require in order to merge into this branch
    contexts: []
  # Required. Enforce all configured restrictions for administrators. Set to true to enforce required status checks
  enforce_admins: true
  # Prevent merge commits from being pushed to matching branches
  required_linear_history: true
  # Required. Restrict who can push to this branch. Team and user restrictions are only available for organization repositories
  restrictions:
    apps: []
    users: []
    teams: []
```



133 lines (9 sloc) | 4.42 KB

Owned by octocat

```
2  
3 require 'fileutils'  
4 require 'tmpdir'  
5 require 'tempfile'  
6 require 'open3'
```

main ▾ MySettings / CODEOWNERS



dmckinstry Update CODEOWNERS (#8)

1 contributor

7 lines (6 sloc) | 366 Bytes

✓ This CODEOWNERS file is valid.

```
1 # Repository settings and governance  
2 /.github/workflows/update-settings.yml @GuacamoleResearch/guacamole-admin  
3 /.github/settings.yml @GuacamoleResearch/guacamole-admin  
4 # The following is paranoia and excluded from this example  
5 # /CODEOWNERS @GuacamoleResearch/@guacamole-admin  
6  
7 # Additional repo or team-specifics
```

Codeowners

[github / linguist](#)[Watch](#) ▾

2

[Star](#)

4,442

[Fork](#)

1,760

[Code](#)[Issues 59](#)[Pull requests 26](#)[Projects 0](#)[Settings](#)[Insights](#) ▾

# Update sample JS file #3476

[Edit](#)[Open](#)

jdpase wants to merge 1 commit into [master](#) from [jdpase-patch-3](#)

+1 -0

[Conversation 0](#)[Commits 1](#)[Files changed 1](#)

jdpase commented just now

No description provided.

Update sample JS file

jdpase requested review from **octocat** and **github/js** as code owners just now

Reviewer **octocat** is a code owner

**octocat**

**js**

Assignees

No one—assign yourself

None yet



## Code owner review required

[Hide all reviewers](#)

Waiting on code owner review from octocat and/or github/js. [Learn more.](#)



**octocat** was requested for review as a code owner



**github/js** was requested for review as a code owner



## Merging is blocked

Merging can be performed automatically with one approved review.

As an administrator, you may still merge this pull request.

[Merge pull request](#)



You can also [open this in GitHub Desktop](#) or view [command line instructions](#).



package.json

build(deps-dev): bump @babel/preset-env from 7.19.0 to 7.19.1 (#148)

6 hours ago

JavaScript 93.3%

Shell 6.7%

☰ README.md

# github-action-check-linked-issues

GitHub action to check if pull requests have their corresponding issues linked, in order to enforce traceability.

## Input / Output

See [action.yml](#).

## Standard Usage

Configure a workflow to run a job on these `pull_request` or `pull_request_target` events.

If you enable the `comments` option (enabled by default) we recommend to listen on `pull_request_target` event.  
`pull_request_target` event has write permission to the target repository allowing external forks to create comments.

```
on:
  pull_request_target:
    types: [opened, edited, reopened, synchronize]

  jobs:
    check_pull_requests:
      runs-on: ubuntu-latest
      name: Check linked issues
      steps:
        - uses: nearform/github-action-check-linked-issues@v1
          id: check-linked-issues
          with:
            exclude-branches: "release/**, dependabot/**"
# OPTIONAL: Use the output from the `check-linked-issues` step
          run: echo "How many linked issues? ${{ steps.check-linked-issues.outputs.linked_issues_count }}"
```

Check that PR is linked to an issue

When the action cannot find any linked issues it will fail explaining the reason.

# Security

Azure DevOps – 3<sup>rd</sup> party add-ins e.g. Mend bolt

GitHub...



▼ ✖ Dependency Review

```
1 ► Run actions/dependency-review-action@v1
4 Gemfile » activesupport@6.0.0.1 – Unintended unmarshalling in ActiveSupport (high severity)
5   ↵ https://github.com/advisories/GHSA-2p68-f74v-9wc6
6 package.json » json-schema@0.3 – json-schema is vulnerable to Prototype Pollution (moderate severity)
7   ↵ https://github.com/advisories/GHSA-896r-f27r-55mw
8 Error: Dependency review detected vulnerable packages.
```



# Dependency Review

We found 29 vulnerable package(s), 19 package(s) with incompatible licenses, and 42 package(s) with unknown licenses.

## Vulnerabilities

Vulnerabilities were filtered by minimum severity **low**.

### pom.xml

| Name                                | Version | Vulnerability   | Severity |
|-------------------------------------|---------|---|----------|
| org.apache.logging.log4j:log4j-core | 2.12.3  | Improper Input Validation and Injection in Apache Log4j2                            | moderate |
|                                     |         | Improper validation of certificate with host mismatch in Apache Log4j SMTP appender | low      |



Overview

## Dependabot alerts

Configure ▾

Reporting

is:open

Policy

Advisories

Vulnerability alerts

Dependabot 88

Code scanning

⚠ 88 Open ✓ 13 Closed

Package ▾ Ecosystem ▾ Manifest ▾ Severity ▾ Sort ▾

⚠ Improper Neutralization of Special Elements used in a Command in Shell-quote Critical

#111 opened 2 months ago • Detected in shell-quote (npm) • yarn.lock

⚠ Server-Side Request Forgery in parse-url Critical

#108 opened 2 months ago • Detected in parse-url (npm) • yarn.lock

⚠ Exposure of Sensitive Information in eventsource Critical

#97 opened 4 months ago • Detected in eventsource (npm) • yarn.lock

⚠ ejs template injection vulnerability Critical

#92 opened 5 months ago • Detected in ejs (npm) • yarn.lock

⚠ Prototype Pollution in minimist Critical

#88 opened 5 months ago • Detected in minimist (npm) • yarn.lock

⚠ json-schema is vulnerable to Prototype Pollution Critical

#58 opened 8 months ago • Detected in json-schema (npm) • yarn.lock

⚠ Prototype Pollution in immer Critical

#51 opened 8 months ago • Detected in immer (npm) • yarn.lock

Dependabot



Dismiss alert ▾

# Improper Neutralization of Special Elements used in a Command in Shell-quote #111

**Open**

Opened 2 months ago on shell-quote (npm) · yarn.lock



## Dependabot cannot update shell-quote to a non-vulnerable version

The latest possible version that can be installed is [1.6.1](#) because of the following conflicting dependencies:

```
gatsby@2.32.3 requires shell-quote@1.6.1 via a transitive dependency on react-dev-utils@4.2.3
ssw.rules.widget@1.0.10 requires shell-quote@1.7.2 via a transitive dependency on react-dev-utils@11.0.4
```

The earliest fixed version is [1.7.3](#).

[Try again](#)[Learn more about troubleshooting Dependabot errors](#)

### Severity

**Critical** 9.8 / 10

### CVSS base metrics

|                     |           |
|---------------------|-----------|
| Attack vector       | Network   |
| Attack complexity   | Low       |
| Privileges required | None      |
| User interaction    | None      |
| Scope               | Unchanged |
| Confidentiality     | High      |
| Integrity           | High      |
| Availability        | High      |

CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

### Weaknesses

[CWE-77](#)

### CVE ID

CVE-2021-42740

### GHSA ID

GHSA-g4rg-993r-mgx7

Dependabot



dependabot

(bot)

opened this from

7484b43

2 months ago

@matteightyate



# Bump regex from 0.1.41 to 1.3.6 #58

Merged infin8x merged 1 commit into [master](#) from [dependabot/cargo/regex-1.3.6](#) on Mar 25

Conversation 0 Commits 1 Checks 0 Files changed 2 +32 -17

 dependabot bot commented on behalf of github on Mar 24

Bumps [regex](#) from 0.1.41 to 1.3.6.

► Release notes  
► Changelog  
► Commits

Reviewers  
No reviews

Assignees  
No one—assign yourself

Labels  
[dependencies](#) [rust](#)

Dependabot



Changes 1

History

my\_secrets\_

 1 changed file my\_secrets\_ 

@@ -0,0 +1,24 @@

```
1 +name: Publish
2 +
3 +on:
4 +  push:
5 +  branches: [ main ]
6 +  workflow_dispatch:
7 +
8 +env:
9 +  PRIVATE_REPOSITORY: dsp-testing/15MariamS_Test
10 +
11 +jobs:
12 +  build:
13 +    runs-on: ubuntu-latest
14 +
15 +  steps:
16 +    - uses: actions/checkout@v2
17 +      with:
18 +        token: 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
19 +
20 +    - name: Publish Public to Private
21 +      if: ${{ env.GITHUB_REPOSITORY == env.PUBLIC_REPOSITORY }}
22 +      run:
23 +        git config --global user.name "repository-sync"
24 +        git push "https://repository-sync:${{ secrets.MY_REPO_SECRET }}@github.com/${{ env.PRIVATE_REPOSITORY }}.git"
```



exposing myself!

Description

Secret scanning on push



Commit to main



Changes 1

History

my\_secrets\_

 1 changed file my\_secrets\_ 

```
@@ -0,0 +1,24 @@
1+name: Publish
2+
3+on:
4+  push:
5+  branches: [ main ]
6+  workflow_dispatch:
7+
8+env:
9+  PRIVATE_REPOSITORY: dsp-testing/15MariamS_Test
10+
11+jobs:
12+  build:
13+    runs-on: ubuntu-latest
14+
15+  steps:
16+    - uses: actions/checkout@v2
17+      with:
18+        token: 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
19+
20+    - name: Publish Public to Private
21+      if: ${{ env.GITHUB_REPOSITORY == env.PUBLIC_REPOSITORY }}
22+      run:
23+        git config --global user.name "repository-sync"
24+        git push "https://repository-sync:${{ secrets.MY_REPO_SECRET }}@github.com/${{ env.PRIVATE_REPOSITORY }}.git"
```



exposing myself!

Description



Commit to main



## Changes

## Error

0 changes

```
remote: (?) Learn how to rewrite your local commit history
remote: https://git-scm.com/book/en/v2/Git-Tools-Rewriting-History
remote:
remote:
remote: — npm Access Token ——————
remote: locations:
remote:   - commit: 9c0c1f951fb66af3fda6ae2a2eae87eb82d9bdfe
remote:     path: my_secrets_:18
remote:
remote: (?) To push, remove secret from commit(s) or follow this URL to allow the
secret.
remote: https://github.com/dsp-testing/MARETEST/security/secret-scanning/unblock-secret?eyJ0b2tlbl90eXB1IjoiTlBNX1RP50V0X1YyIiwidG9rZw5fc2lnbmF0dXJlIjoiOWQy0WM4NjQwYjIzZDA2YTk0ZDUwNTY1Mjg3ZWNmYzMyYTFhM2M1M2MwOGFjYTJmOGFmMDYzMThMjA2OTY2NSIsInRva2VuX3R5cGVfbGFiZWwi0iJucG0gQWNjZXNzIFRva2VuIn0=
remote:
remote:
remote:
To https://github.com/dsp-testing/MARETEST.git
! [remote rejected] main -> main (push declined due to a detected secret)
error: failed to push some refs to 'https://github.com/dsp-testing/MARETEST.git'
```

[Close](#)[Commit to main](#)



# CodeQL

Requires GitHub Enterprise + Advanced Security  
Can run locally for free in VSCode

JavaConverter.java

```
public static Object deserialize (InputStream is)
    throws IOException {
    ObjectInputStream ois = new ObjectInputStream(is);
    return ois.readObject();
}
```

UnsafeDeserialization.ql

```
from DataFlow::PathNode source, DataFlow::PathNode
    sink, UnsafeDeserializationConfig conf
where conf.hasFlowPath(source, sink)
select sink.getNode().(UnsafeDeserializationSink)
    .getMethodAccess(),
    source, sink, "Unsafe deserialization of $@.",
    source.getNode(), "user input"
```

QL Query Results

alerts ▾

> ⚠️ Unsafe deserialization of [user input](#).

✗ ⚠️ Unsafe deserialization of [user input](#).

✗ Path

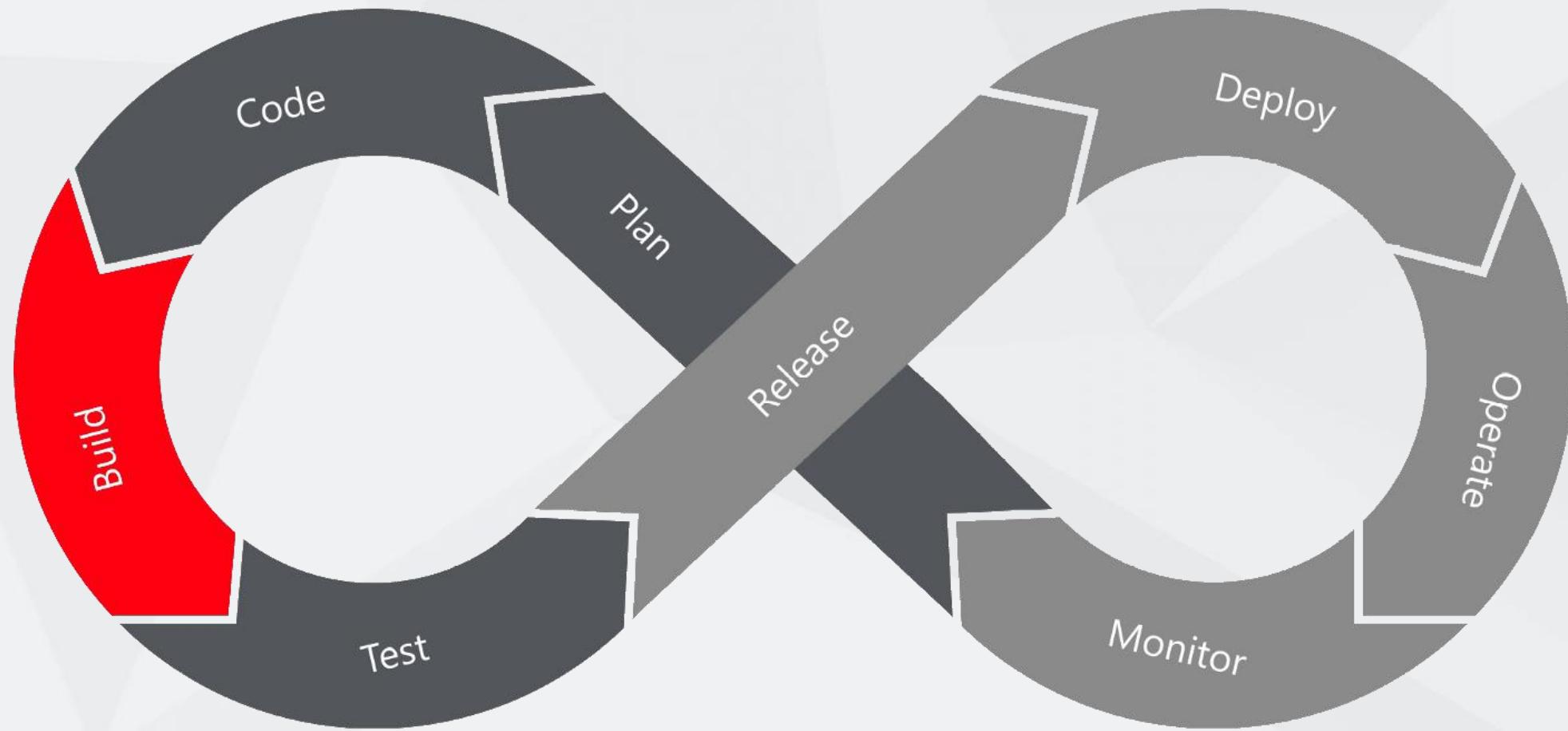
- 1 [getContent\(...\)](#) : [InputStream](#)
- 2 [getContentAsStream\(...\)](#) : [InputStream](#)
- 3 [toBufferedInputStream\(...\)](#) : [InputStream](#)
- 4 [getInputStream\(...\)](#) : [InputStream](#)
- 5 [is](#) : [InputStream](#)
- 6 [ois](#)

✗ Path

> ⚠️ Unsafe deserialization of [user input](#).

# Coding





# Pipelines vs Actions

- Azure DevOps charges for parallelism
- Fixed size cloud hosted agents
- Tracks test analytics
- Build names are dynamic
- GitHub Actions are parallel by default (up to 180)
- Optional 64 core, 256gb ram runners
- Doesn't track test analytics
- Workflow names are static





✓ #22.08.31.4 • Merged PR 4082: 📈 Calculate predicted results synchronously  
Web-Cl

Run new

⋮

ⓘ This run is being retained as one of 3 recent runs by pipeline.

View retention leases

Summary Tests Releases

Summary

5 Run(s) Completed ( 5 Passed, 0 Failed )

103

Total tests



103 ● Passed  
0 ● Failed  
0 ● Others

100%

Pass percentage

36s 297ms

Run duration ⓘ

↑ +15s 654ms

Bug ▾ Link

Test run ▾ Column Options



Filter by test or run name

Tags ▾ Test file ▾ Owner ▾ Aborted (+1) ▾ X



Hooray! There are no test failures.

Change the test outcome filter to view tests relevant to you.

✖ Do not create report when job is cancelled Build #9



Summary

Jobs

⚠ flutter (dev)

⚠ flutter (beta)

✖ flutter (stable)

✖ Test results (stable)

GitHub Actions / Test results (stable)

failed 5 hours ago in 0s

## Test results (stable) ✖

tests 268 passed, 1 failed

### reports/test-results.json ✖

269 tests were completed in 32.964s with 268 passed, 1 failed and 0 skipped.

| Test suite                               | Passed | Failed | Skipped | Time   |
|--|--------|--------|---------|--------|
| test/builder_test.dart                   | 24 ✓   |        |         | 375ms  |
| test/change_notifier_provider_test.dart  | 10 ✓   |        |         | 280ms  |
| test/consumer_test.dart                  | 18 ✓   |        |         | 324ms  |
| test/context_test.dart                   | 31 ✓   |        |         | 644ms  |
| test/future_provider_test.dart           | 10 ✓   |        |         | 272ms  |
| test/inherited_provider_test.dart        | 81 ✓   |        |         | 1.065s |
| test/listenable_provider_test.dart       | 16 ✓   |        |         | 322ms  |
| test/listenable_proxy_provider_test.dart | 12 ✓   |        |         | 311ms  |
| test/multi_provider_test.dart            | 3 ✓    |        |         | 183ms  |
| test/provider_test.dart                  | 11 ✓   |        |         | 291ms  |
| test/proxy_provider_test.dart            | 16 ✓   |        |         | 359ms  |
| test/reassemble_test.dart                | 3 ✓    |        |         | 185ms  |
| test/selector_test.dart                  | 17 ✓   |        |         | 331ms  |
| test/ticker_provider_test.dart           | 4 ✓    |        |         | 206ms  |
| test/stream_provider_test.dart           | 8 ✓    |        |         | 259ms  |
| test/value_listenable_provider_test.dart | 4 ✓    | 1 ✖    |         | 302ms  |

<https://github.com/marketplace/actions/test-reporter>



steps:

```
- name: Adding markdown  
  run: echo '### Hello world! :rocket:' >> $GITHUB_STEP_SUMMARY
```

✓ Job summary test Job summary test #35 Re-run all jobs ...

Summary Manually triggered 4 hours ago Status Success Total duration 9s Artifacts -

Jobs konradpabjan -> cdd17ae

example

markdown-summaries.yml  
on: workflow\_dispatch

✓ example 0s

example summary

Hello world! 🚀

Job summary generated at run-time

https://github.com/nektos/act

nekto / act Public

Sponsor Watch 120 Fork 747 Star 28.4k

Code Issues 68 Pull requests 3 Discussions Actions Projects 2 Wiki Security Insights

master 8 branches 42 tags Go to file Add file ▾ Code About

KnisterPeter and mergify[bot] test: add test for networking setup in act (#1375) ... ff5e289 12 hours ago 700 commits

.github build(deps): bump megalinter/megalinter from 6.11.0 to 6.11.1 (#1381) 3 days ago

.vscode Update docs, file formatting and docker images (#766) 14 months ago

cmd fix: show workflow info even if on.push is not defined (#1329) (#1335) 14 days ago

pkg test: add test for networking setup in act (#1375) 12 hours ago

.actrc feat: support custom GITHUB\_RUN\_ID, GITHUB\_RUN\_NUMBER (#369) 2 years ago

.editorconfig ci(choco): update chocolatey to 1.1.0 (#1164) 5 months ago

.gitignore revert auto changelog generator 4 months ago

.gitleaksignore build(deps): bump megalinter/megalinter from 5 to 6.11.0 (#1370) 8 days ago

.golangci.yml refactor: remove github.com/pkg/errors dependency (#1077) 4 months ago

.goreleaser.yml fix(goreleaser): add append mode for release notes (#962) 9 months ago

.markdownlint.yml ci: replace superlinter with megalinter (#923) 10 months ago

.mega-linter.yml fix: support docker create arguments from container.options (#1022) (#... 6 days ago

.mergify.yml automatically merge PRs from dependabot (#1084) 7 months ago

.prettierignore Update docs, file formatting and docker images (#766) 14 months ago

.prettierrc.yml Update docs, file formatting and docker images (#766) 14 months ago

CODEOWNERS Update CODEOWNERS to use 'act-maintainers' team 2 years ago

CONTRIBUTING.md Update docs, file formatting and docker images (#766) 14 months ago

IMAGES.md fix: support docker create arguments from container.options (#1022) (#... 6 days ago

LICENSE Update docs, file formatting and docker images (#766) 14 months ago

Makefile ci: replace superlinter with megalinter (#923) 10 months ago

Run your GitHub Actions locally - <https://github.com/nektos/act>

About

Run your GitHub Actions locally 🚀

golang devops ci github-actions

Readme MIT license 28.4k stars 120 watching 747 forks

Releases 41

v0.2.32 Latest 12 days ago + 40 releases

Sponsor this project

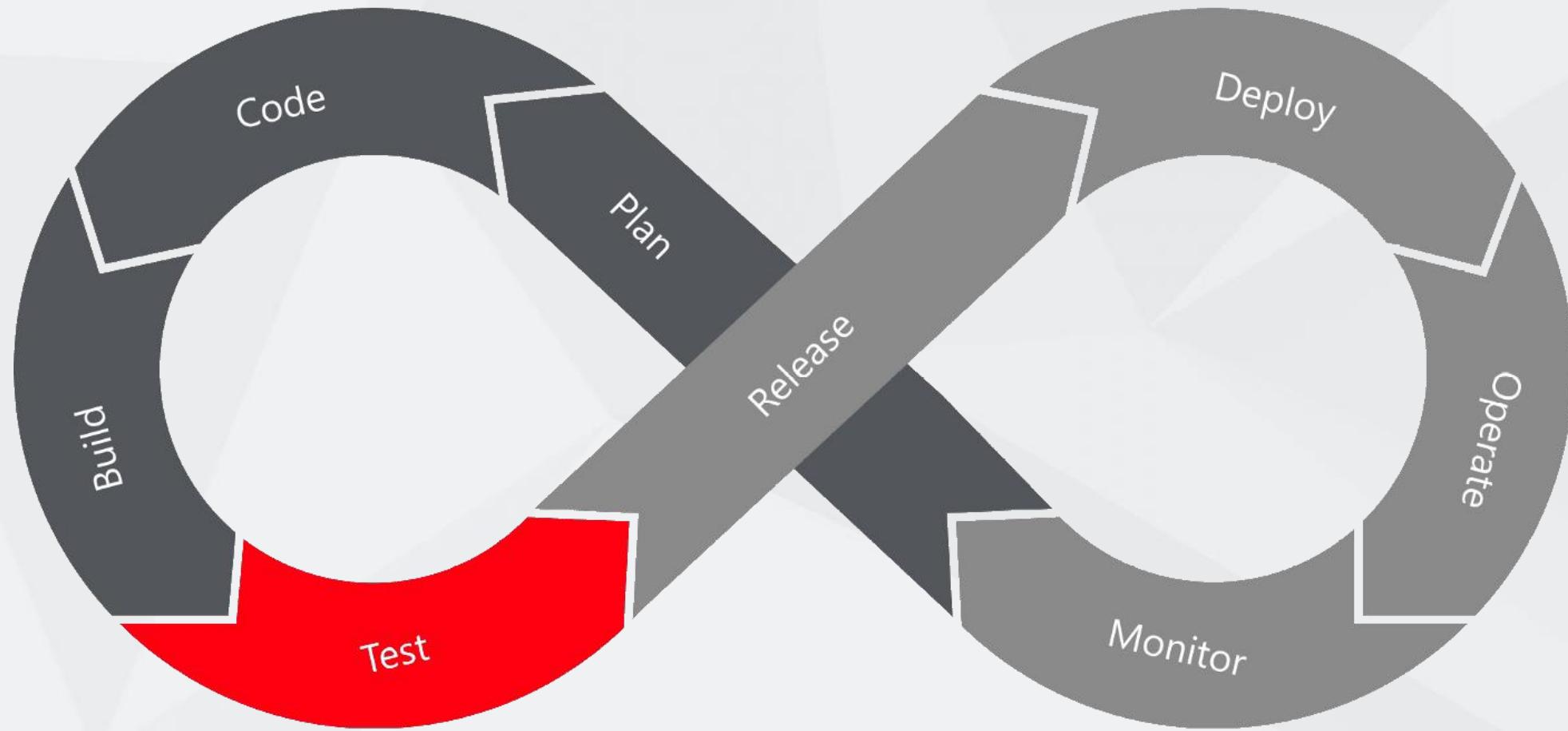
cplee Casey Lee Sponsor Learn more about GitHub Sponsors

Packages No packages published

Used by 5

# Builds



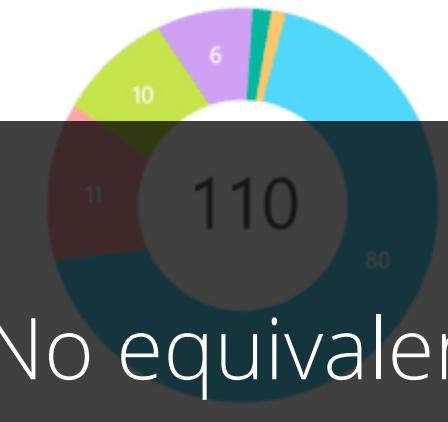


- AdventureWorks Mobile
- Overview
- Boards
- Repos
- Pipelines
- Test Plans
- Test plans
- Parameters
- Configurations
- Runs
- Artifacts

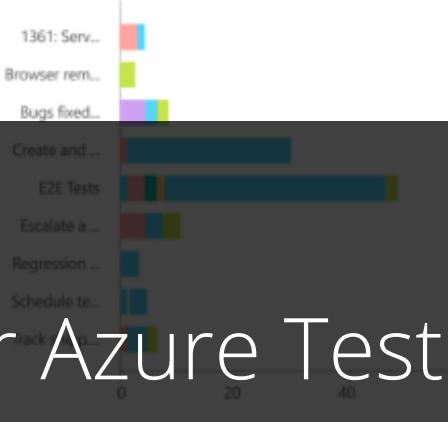
## Test Plan: Web Team

Test Charts

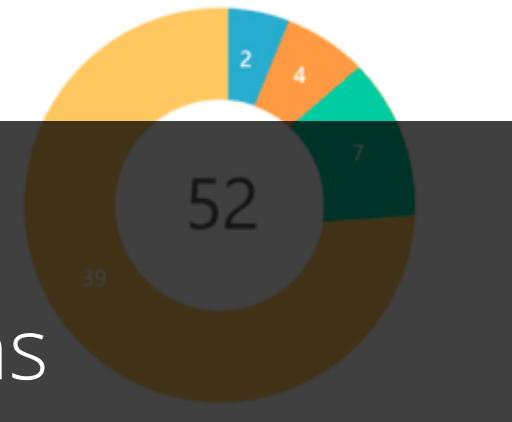
Overall Execution State



Tests by Suite

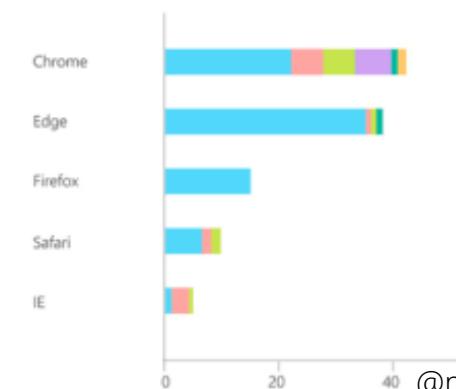


Test Automation Status



No equivalent for Azure Test Plans

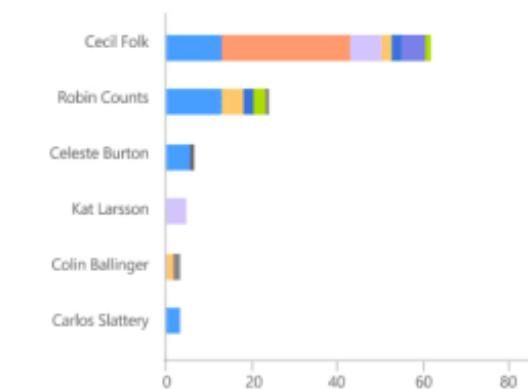
Configurations Coverage



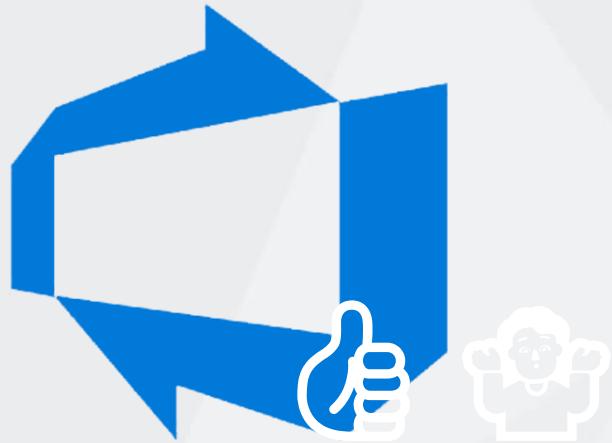
Execution

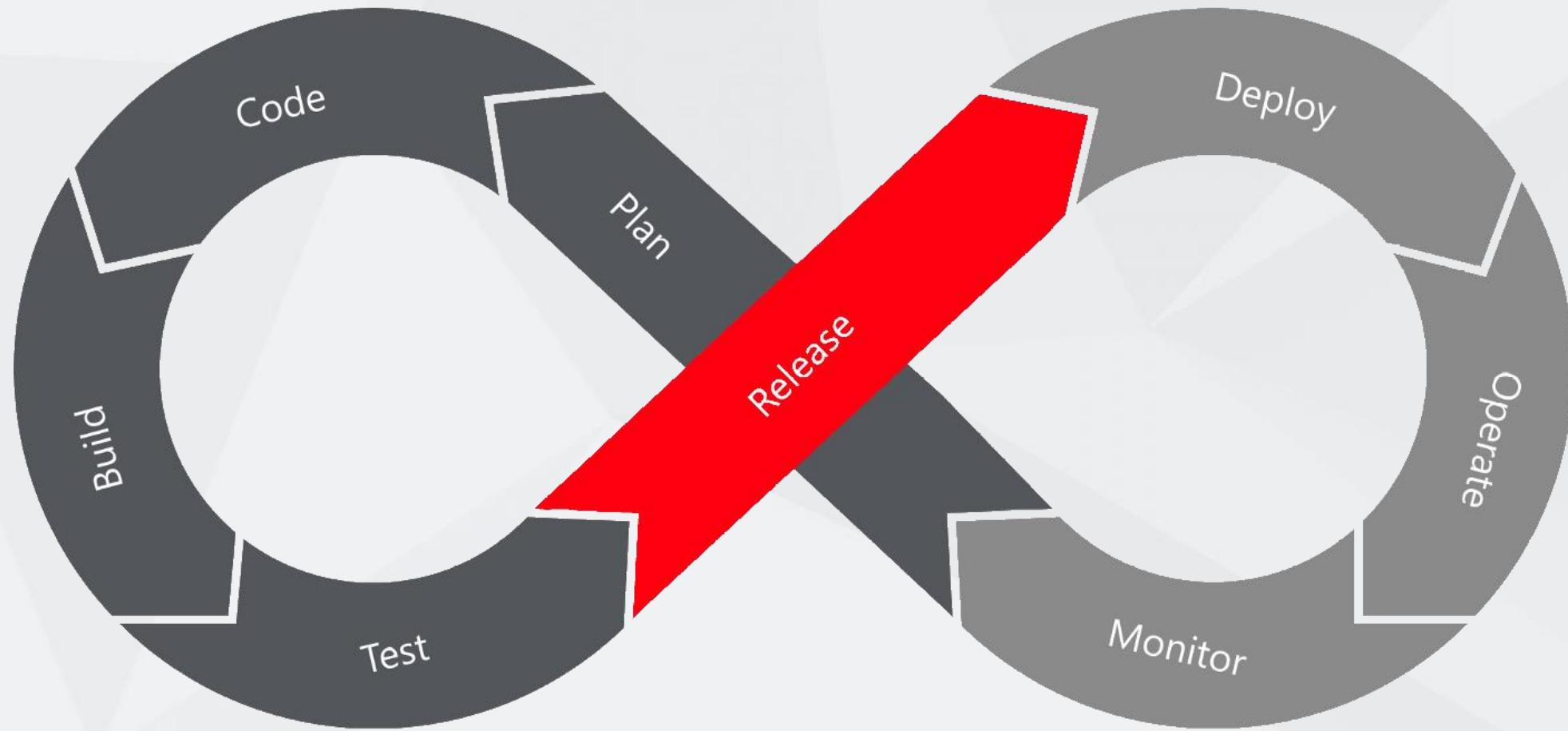
|                | Not run | Failed | Passed | Other | Total |
|----------------|---------|--------|--------|-------|-------|
| Harish Agar... | 51      | 7      | 2      | 0     | 60    |
| RaviShan --    | 19      | 1      | 2      | 6     | 28    |
| Jamal Hartn... | 4       | 1      | 3      | 1     | 9     |
| Dennis Habi... | 2       | 1      | 2      | 0     | 5     |
| Not availab... | 2       | 0      | 1      | 1     | 4     |
| Kanchan Ver... | 2       | 1      | 0      | 1     | 4     |

Testing Ownership



# Testing





# Azure Artifacts vs GitHub Packages

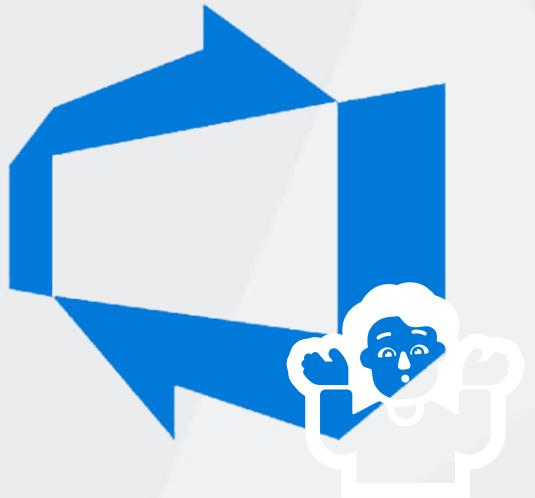


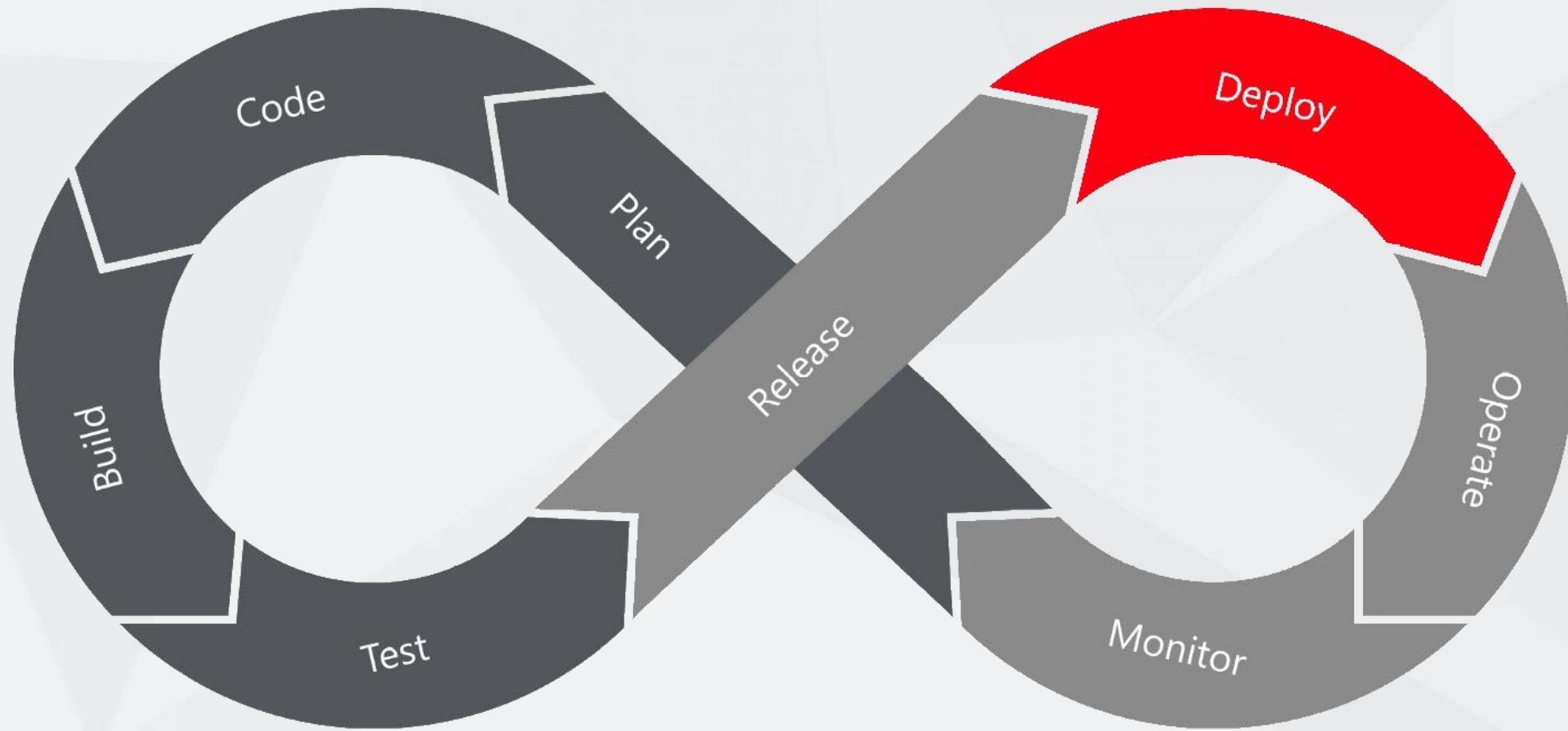
- Maven
- npm
- NuGet
- Python package feeds



- Maven
- npm
- NuGet
- Gradle
- RubyGems
- Docker

# Release







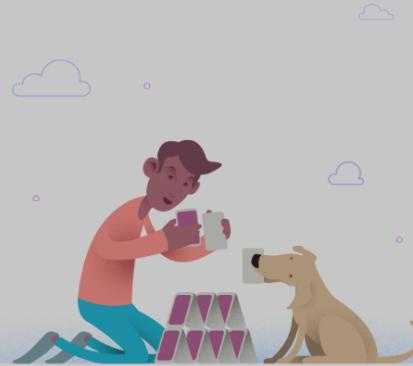
ssw /

/ Pipelines / Environments / production / Approvals and checks



## ← Approvals and checks

production



### Add your first

Checks allow you to manage changes made to checks and new pipelines.

**Approvals**  
Approvers should grant approval for deployment

**Branch control**  
Allow deployments based on branches linked to the run

**Business Hours**  
Ensure the deployment is started in a specific time window

**Evaluate artifact (preview)**  
Ensure artifacts adhere to custom policies (container images only)

**Exclusive Lock**  
Limit access to this resource to only a single stage at a time

**Invoke Azure Function**  
Invoke an Azure Function

**Invoke REST API**  
Invoke a REST API as a part of your pipeline.

**Query Azure Monitor alerts**  
Observe the configured Azure Monitor rules for active alerts

**Required template**  
Ensure the pipeline extends one or more YAML templates

See all

### Add check

Search check types

**Approvals**  
Approvers should grant approval for deployment

**Branch control**  
Allow deployments based on branches linked to the run

**Business Hours**  
Ensure the deployment is started in a specific time window

**Evaluate artifact (preview)**  
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Ensure the pipeline extends one or more YAML templates

Next



Search or jump to...

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Bell icon + User icon



SSWConsulting / SSW.Rewards.API Public

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Watch 2

Fork 0

Star 1

Code Issues 5 Pull requests Discussions Actions Projects Wiki Security Insights Settings



Access



Code and automation



Security



Integrations



## Environments / Configure dev

### Environment protection rules

Can be used to configure manual approvals and timeouts.

#### Required reviewers

Specify people or teams that may approve workflow runs when they access this environment.

#### Wait timer

Set an amount of time to wait before allowing deployments to proceed.

**Save protection rules**

### Deployment branches

Can be used to limit what branches can deploy to this environment using branch name patterns.

All branches ▾

### Environment secrets

Secrets are encrypted environment variables. They are accessible only by GitHub Actions in the context of this environment.

AZURE\_CREDENTIALS

Updated 23 days ago

Update

Remove

Add Secret



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About

# Variable/Secret management



- Variable library (like Octopus) can be shared across pipelines
- Can source secrets from KeyVault
- Secrets can be files



- No variable group library
- Secrets are not settable in GH actions
- Use a script to source from KeyVault
- Secrets are text only (no notes)
- Secrets can be org/repo/environment scoped



Search or jump to... Pull requests Issues Marketplace Explore

lindluni / actions-variable-groups Public

Watch 1 Fork 1 Star 10

Code Issues Pull requests Actions Projects Security Insights

Use this GitHub Action with your project Add this Action to an existing workflow or create a new one. View on Marketplace

main 1 branch 17 tags Go to file Add file Code

README.md

## actions-variable-groups

NOTICE: This Action is not meant for secure variables. Environment variables created as part of this Action will be injected into your Action's environment and will be available as plaintext in your Actions logs.

Actions Variable Groups is a GitHub Action that allows you to centrally store and manage common variables needed by your GitHub Actions. The Action will then inject the variables you have stored into your Actions environment at runtime.

This is an attempt to mimic non-secret Azure DevOps Variable Groups.

### Setup

Variables are managed by creating one or more YAML files containing a single `variables` array, which contains one or more `key/value` pair objects. These files may be stored in a single file or directory in GitHub repository, or many directories, and a directory may contain one or more variable group files.

```
variables:
  - key: Key1
    value: Value1
  - key: Key2
    value: Value2
```

### Usage

You may then consume the Action by adding the following to your GitHub Actions workflow, which will read in all variable group files and directories and inject them into your GitHub Actions environment. You may specify a `ref` using the `@` syntax to check out a specific version. If you do not specify a ref, the default branch will be chosen.

**Note:** If you store your variables in a public or internal repository, you do not need to provide a token to use this actions.

```
steps:
  - uses: lindluni/actions-variable-groups@main
    with:
      org: <org hosting the repo with variable group files>
      repo: <repo containing the variable group files>
      token: <token with access to repo if it is not an internal rep>
      groups: |
        <path to a directory in the above repo containing variable group files>
        <path to a directory in the above repo containing variable group files versioned on a specific ref>@<
        <path to a variable group file in the above repo>
        <path to a variable group file in the above repo versioned on a specific ref>@branch/tag/commit>
      ...
```

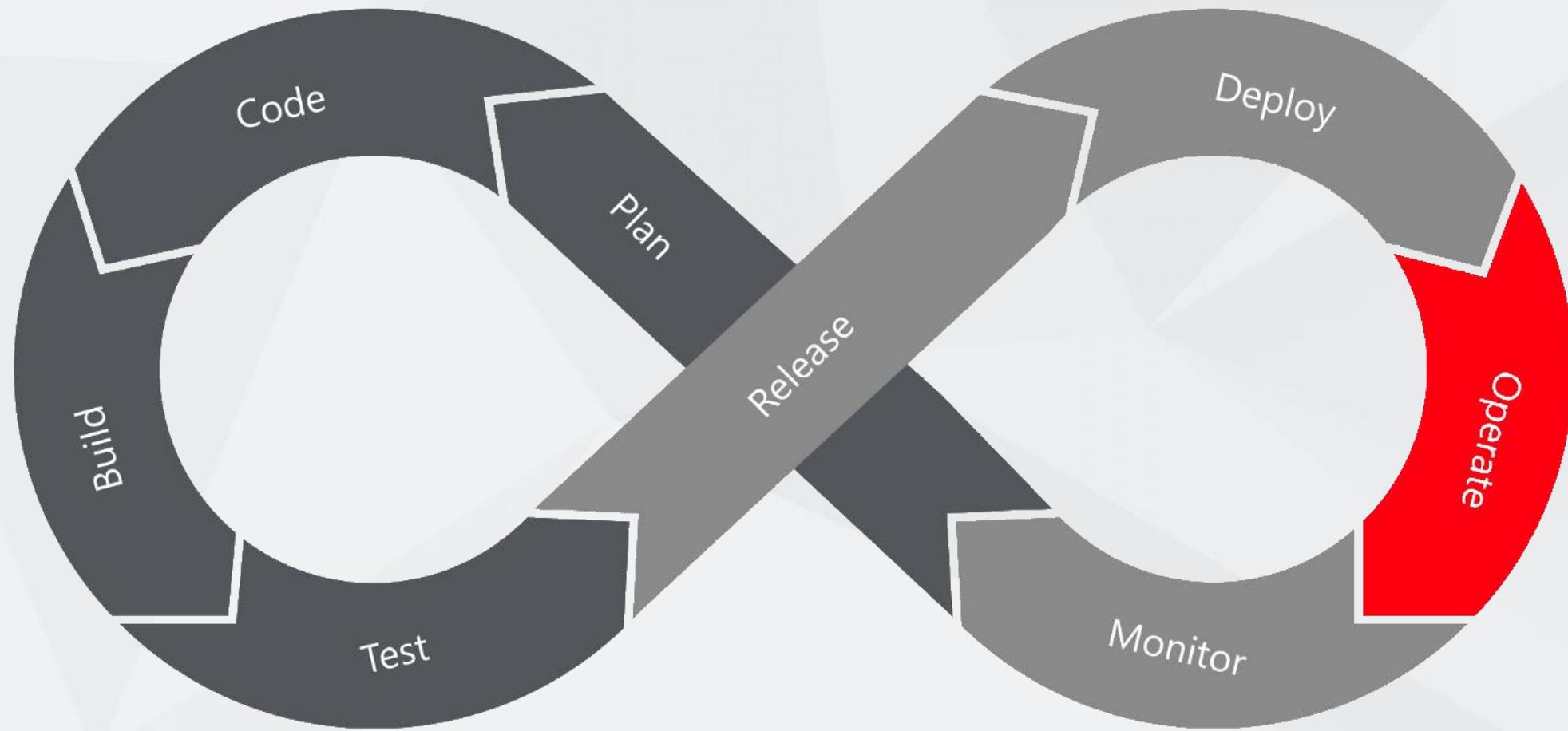
Example

```
name: Inject Variables
on:
  pull:
  jobs:
    - name: Echo Environment
```

actions-variable-groups - <https://github.com/lindluni/actions-variable-groups>

# Deploy





# Remote operation

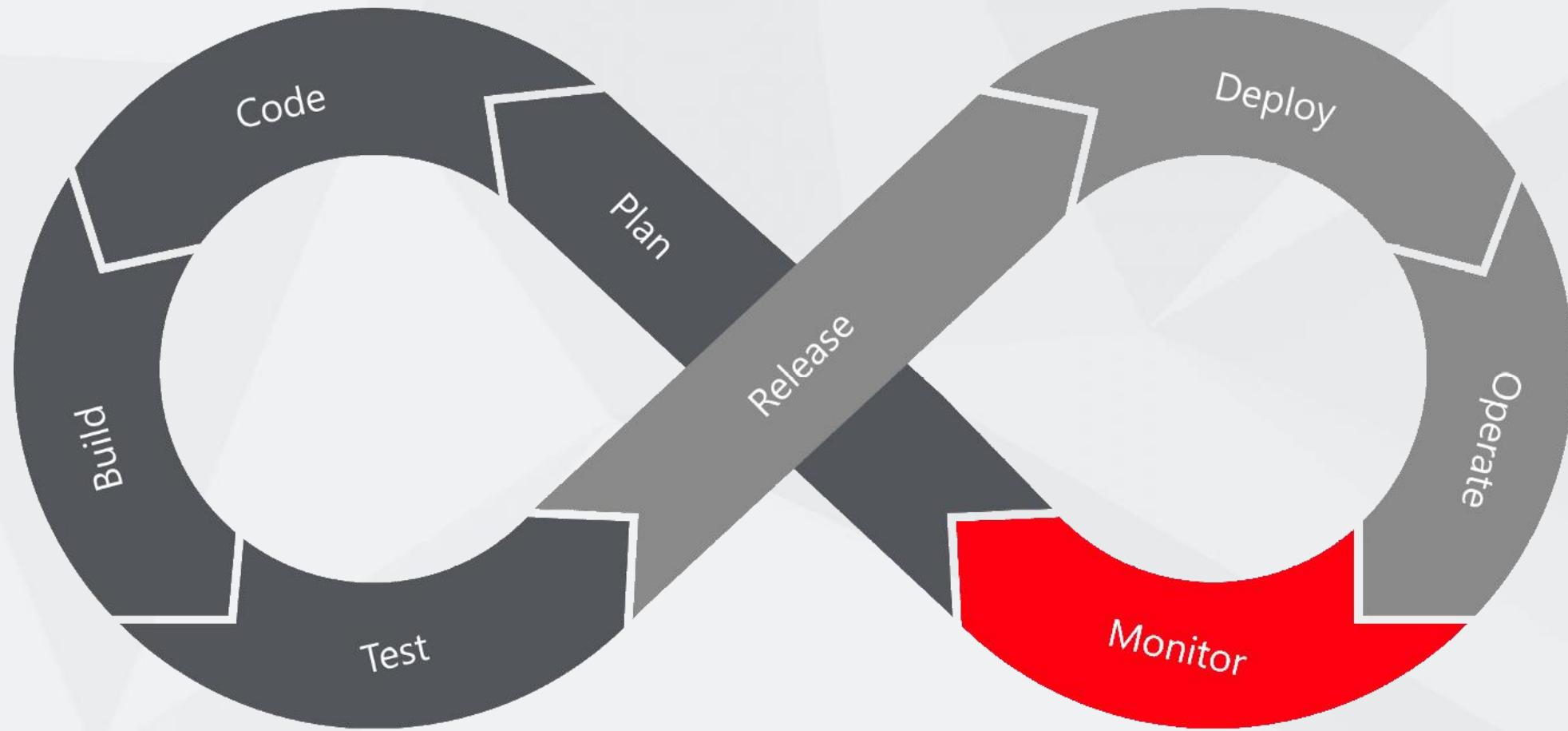
e.g. Azure monitor calls workflow dispatch

Can trigger a pipeline/workflow from an HTTP call

- AzDO – REST API & Service Connection
- GitHub – REST API

# Operate





ssw / SSW.Induction / Overview / Dashboards

Search

S SSW.Induction Team - ProjectDashboard Edit Refresh ...

 SugarLearning

SSW.SugarLearning.CD

master 1 Commit in last 7 d... Duration: 8 minutes

SSW.Induction Team V... Last 6 iterations Effort Average Velo... 20

Pull Requests in SSW.Induction (7)

Reword English sentences on Approval Done Anton Vojkovic into master, created 2 months ago ✓

minor changes to prerequisite docs Preston Hearn into master, created 2 months ago ✓

Remove all Unused Imports in WebUI Jack Pettit into master, created 5 months ago ✓

Modified instructions 2 and 3 in the prerequisite readme to avoi... Anthony Doueal into master, created 6 months ago ...

modified window.innerWidth if statement to a one line ternary Anthony Doueal into master, created 6 months ago ✓

View summary

SSW.Induction Team Sprint 90 March 15 - March 22

No days remaining 6

12 work items not started 9 5

Links

Azure App Insights Rule | Project Portal

SSW.Induction Team Sprint Burndown 3/15/2022 - 3/22/2022 Effort Remaining 46

Completed 8% Average burndown 0 Items not estimated 6 Total Scope Increase 24

Product Backlog Item Total Scope Ideal Trend

3/1/2022 3/16/2022 3/17/2022 3/18/2022 3/21/2022 3/22/2022

PBI Lead Time Last 30 days

1 Days on average (Created to Completed) 1 Product Backlog Item

16 Aug 21 26 31 5 Sep 10 15

# No equivalent to Azure DevOps dashboards

75 50 25 0

Sprint 85 Sprint 86 Sprint 87 Sprint 88 Sprint 89 Sprint 90

Planned Completed Completed Late Incomplete

| Item ID | Description                   | Priority | Assignee   | Status |
|---------|-------------------------------|----------|------------|--------|
| 72027   | Azure Search - Fix backlog... | 1585     | Kaha ...   | New    |
| 71461   | Delete Unused Code            | 1625     | Sam W...   | New    |
| 71458   | Cross Site Request Fo...      | 1665     |            | New    |
| 71144   | Email templates - Font to ... | 1706     | Ravi D...  | Done   |
| 71446   | Approvals - can't attach s... | 1706     | Chris C... | Done   |
| 71025   | Approvals - Add the a...      | 1747     |            | New    |
| 69666   | SugarLearninig - Make a ...   | 1789     | Nadee ...  | Done   |
| 69791   | Sylvia Huang - Small Cod...   | 1789     |            | Done   |
| 70394   | Outdated references to T...   | 1789     |            | New    |
| 72666   | Fix print link - SSW E...     | 1810     |            | New    |
| 69261   | Re-enable Company User...     | 1831     |            | New    |
| 68645   | SugarLearning - Print vie...  | 1874     |            | New    |

View query



datasource default ▾ namespace http ▾ metric All ▾

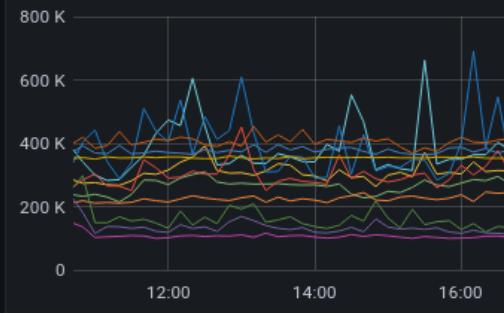
Loki Prometheus Prometheus targets status



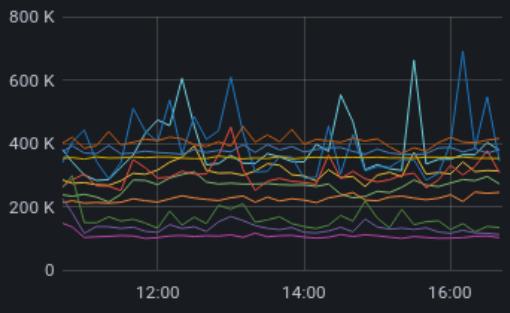
~ http\_request\_duration\_microseconds



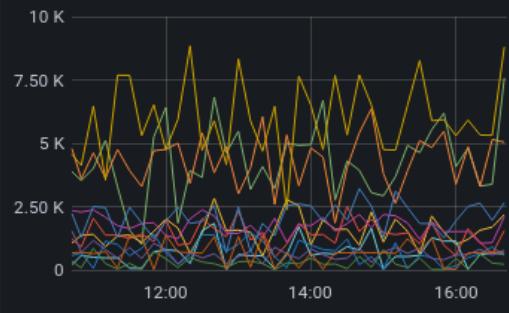
Average



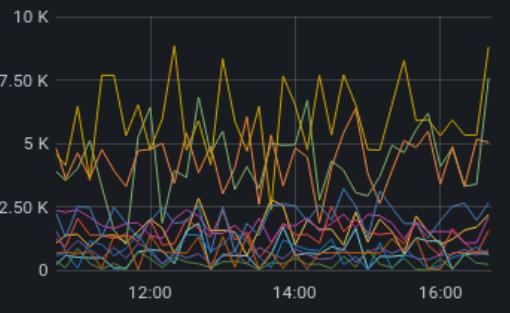
Sum



Average rates



Rate totals



~ http\_request\_duration\_microseconds\_count

Average



Sum



Average rates



Rate totals

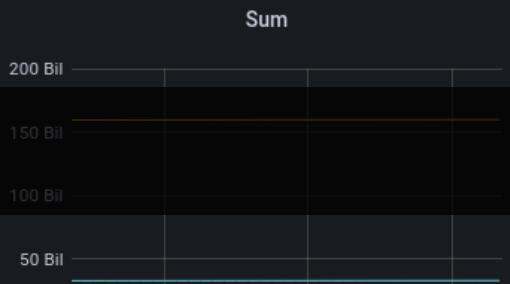


~ http\_request\_duration\_microseconds\_sum

Average



Sum



Average rates



Rate totals

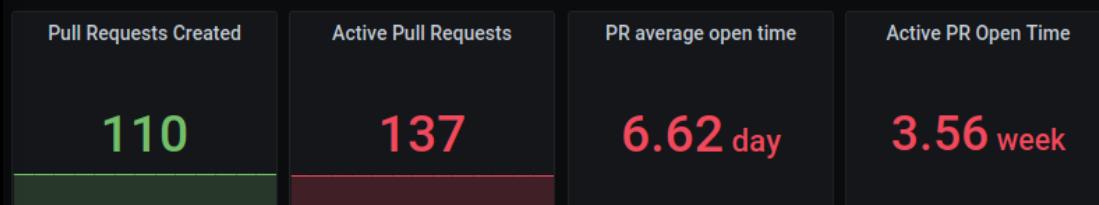


|               |                                     |               |                                     |            |                                     |        |     |        |        |           |     |
|---------------|-------------------------------------|---------------|-------------------------------------|------------|-------------------------------------|--------|-----|--------|--------|-----------|-----|
| datasource    | GitHub                              | Organization  | grafana                             | Repository | grafana                             | Labels | All | Branch | master | Milestone | All |
| Issues Opened | <input checked="" type="checkbox"/> | Issues Closed | <input checked="" type="checkbox"/> | Releases   | <input checked="" type="checkbox"/> |        |     |        |        |           |     |

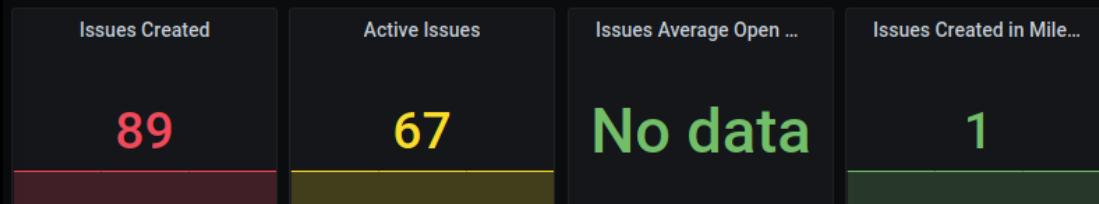
#### ▼ Stats



#### ▼ Pull Requests



#### ▼ Issues



#### ▼ Data

| Commits    |                    |               |               |                     | Issues  |                  |                |
|------------|--------------------|---------------|---------------|---------------------|---|------------------|----------------|
| id         | author             | author_login  | author_comp   | committed_at        | title   | author           | author_company |
| 7b7c30...  | Diana Payton       | oddlittlebird | Grafana La... | 2021-03-03 11:41:07 | Some Dashboards loading slowly                      | NathanHochhalter |                |
| 4c2e5fc... | Ivana Huckova      | ivanahuckova  |               | 2021-03-03 09:32:27 | Expression: 'No data' returned with InfluxDB query  | SanderDelden     |                |
| 43d4a5...  | Andrej Ocenas      | aocenas       |               | 2021-03-03 09:31:10 | Table Panel: Change of columns size disables col... | docolli          |                |
| f33bbb...  | Mayank Pathela     | starkblaze01  | Free Lancer   | 2021-03-03 08:28:27 | Reduce dashboard search item height                 | jonasbleyl       | BT             |
| 08f500e... | Dimitris Sotirakis | dsotirakis    | @grafana      | 2021-03-03 07:52:19 | Manage-User Section Links return 404 on Website     | starkblaze01     | Free Lancer    |
| 5cbc58...  | Marcus Olsson      | marcusolsson  | Grafana La... | 2021-03-03 07:01:08 | Loki: Clicking "Show example log lines" on the d... | bergquist        | @grafana       |
| 02101...   | ...                | ...           | ...           | 2021-03-03 06:59:50 | Alert Notification Templates not working            | valenvb          |                |

Grafana to the rescue

Home &gt; knownoise-production



Application Insights

Search



Edit existing templates Feedback Help

Workbooks

## Usage

Users

Sessions

Events

Funnels

User Flows

Cohorts

... More

## Configure

Properties

Smart detection settings

Network Isolation

Usage and estimated costs

Continuous export

API Access

Work Items

Settings

## | Work Items ...

## Create a new work item template

Use the drop down below to get started. Select your tracking system, enter in the requested parameters and we will configure a new template which you can use to help your teams create work items.

Select your tracking system

Select an item

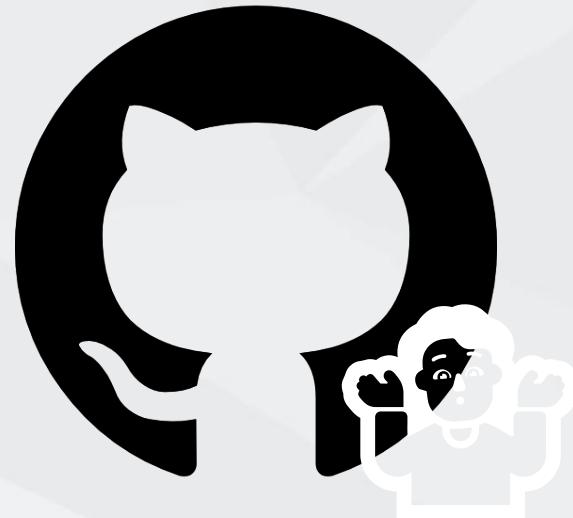
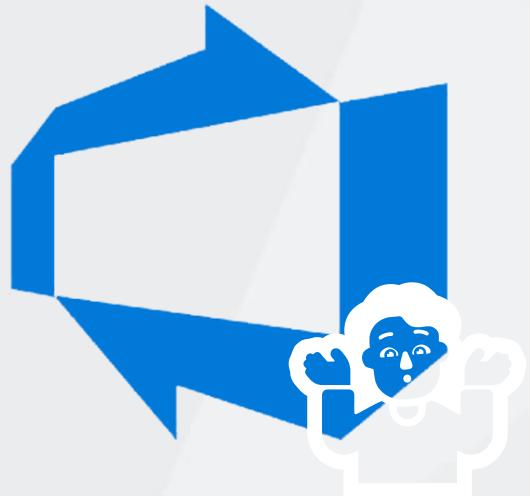
GitHub

Azure DevOps

Application Insights – create work items in both



# Maintain



# Summary - Azure DevOps vs GitHub

- Anemic roadmap
- Planning easier
- Permissions are more complex
- Pipelines parallelism
- Pipeline analytics
- Test plans
- Environment gates
- Secret management
- New features
- Projects = slice or Org
- Codespaces
- Use Probot settings to leverage policy as code
- Actions = automate everything
- Mobile app
- Security built in
- packages

# Final verdict...





Thank you!



[github.com/wicksipedia/presentations](https://github.com/wicksipedia/presentations)

[info@ssw.com.au](mailto:info@ssw.com.au)

[www.ssw.com.au](http://www.ssw.com.au)

Sydney | Melbourne | Brisbane | Newcastle