

What is Continuous Integration?

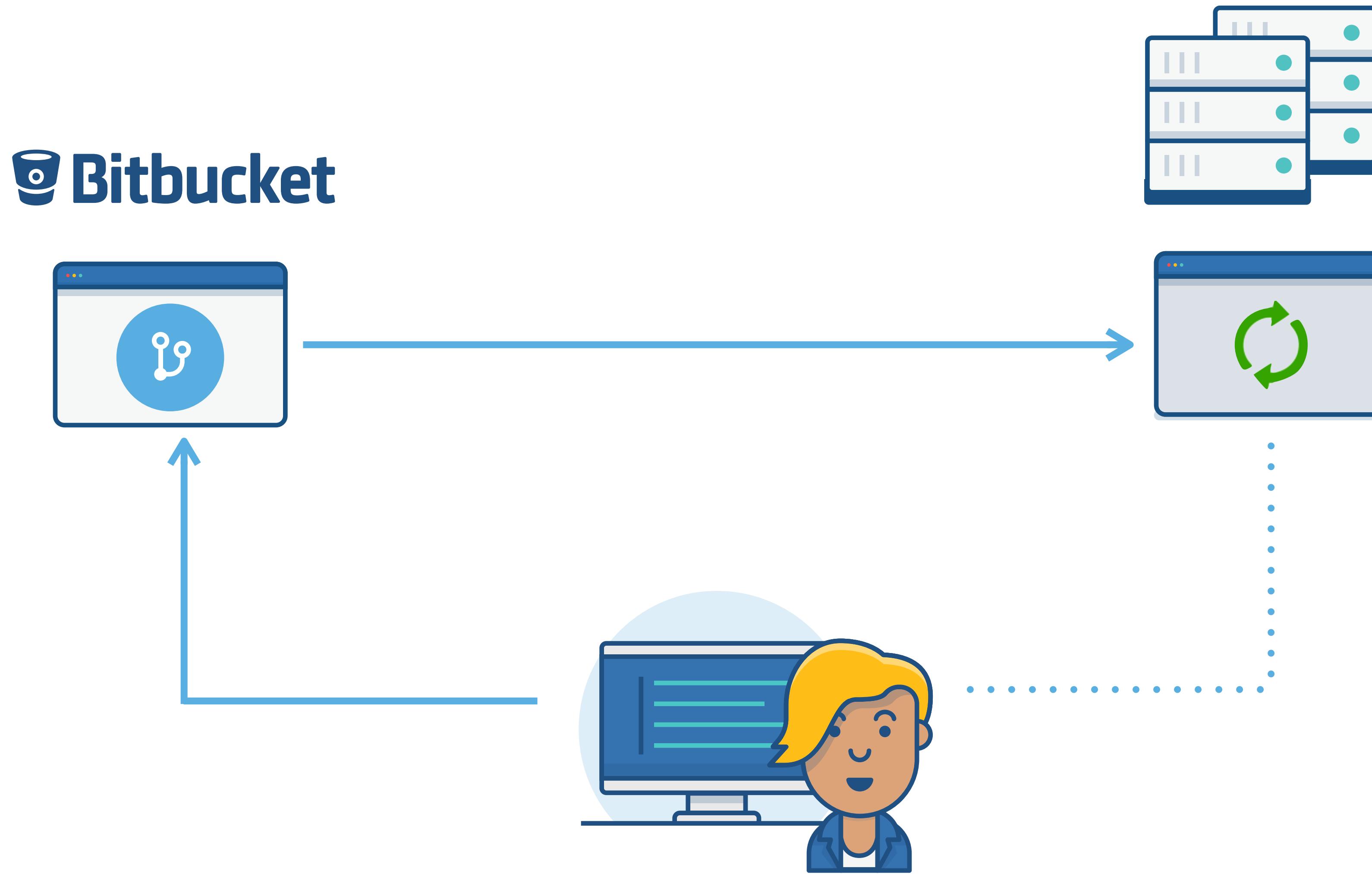


“ Continuous Integration (CI) is a development practice that requires developers to integrate code into a shared repository several times a day. Each check-in is then verified by an automated build, allowing teams to detect problems early. ”

THOUGHTWORKS



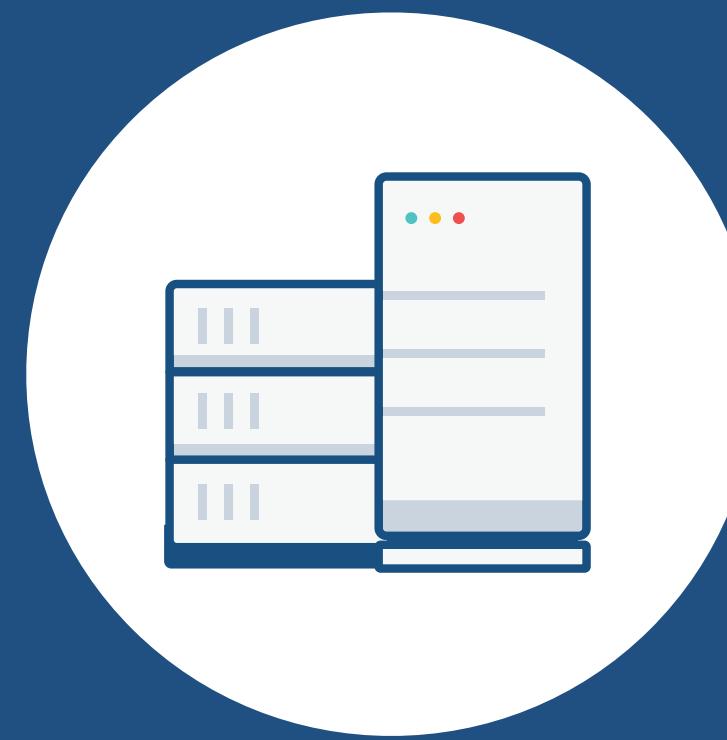
Continuous Integration



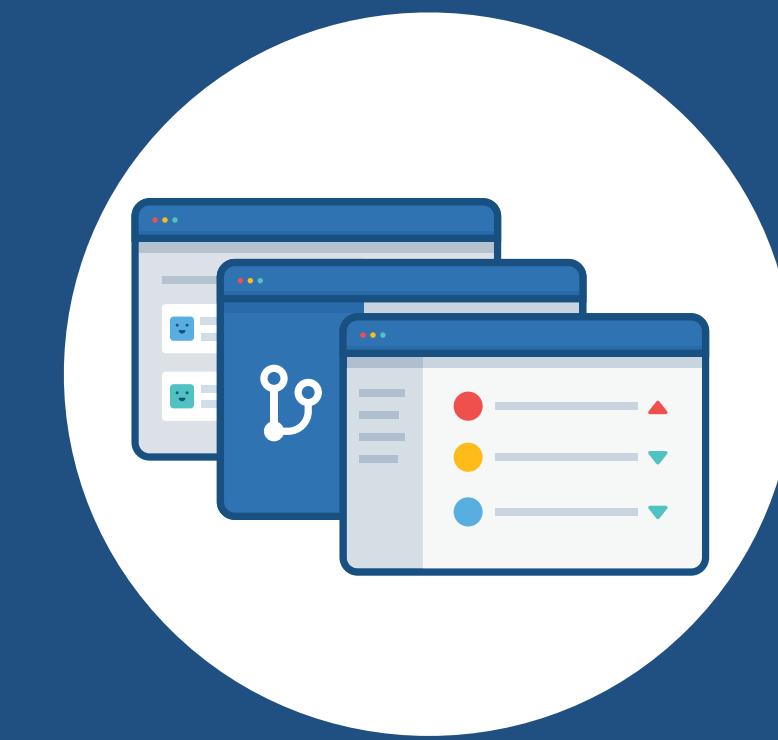
It's not easy



**Setup is
sophisticated**



**Infrastructure
needed**



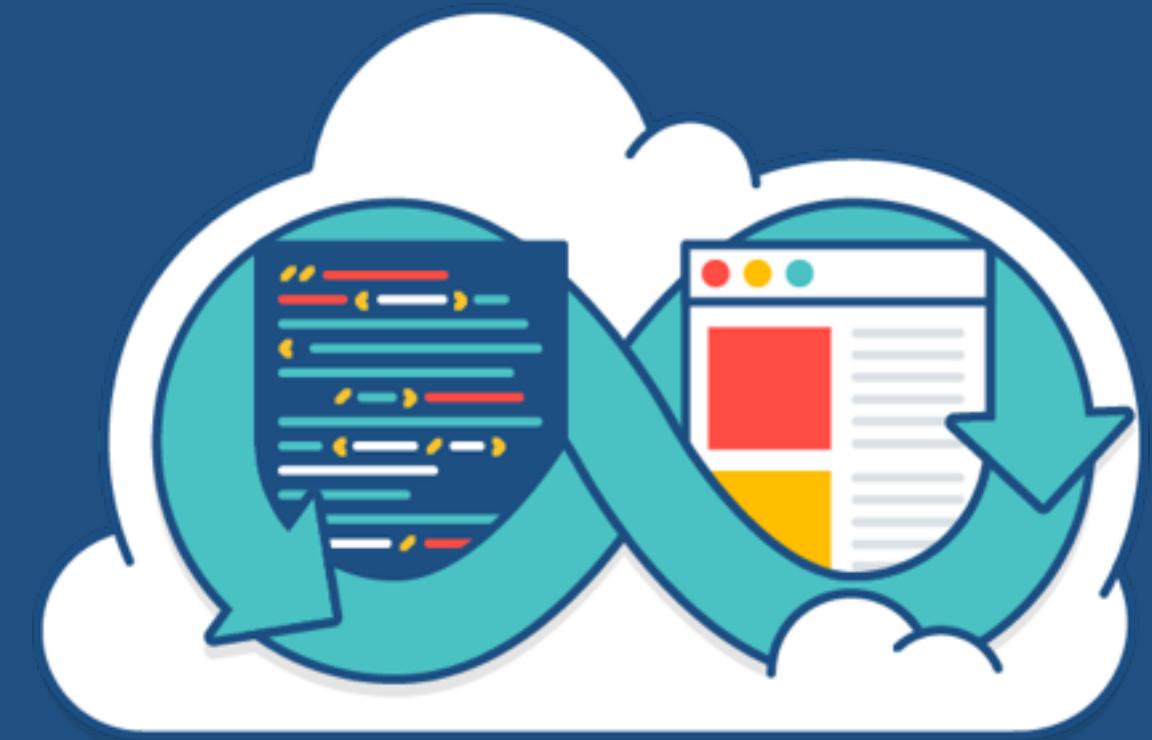
Context switching



**Slow feedback
loop**



Bitbucket Pipelines



OUR MISSION

**Simplify Continuous Integration.
Allow teams to build and ship projects faster.**



Bitbucket Pipelines



One tool,
one platform



Defining the
pipeline



Fast feedback loop

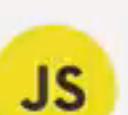


Ecosystem
Integrations



Demo time!





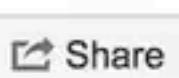
clock-app

chiphat / Office / clock-app

Overview



git@bitbucket.org:chiphat/clock-app.git



ACTIONS

- Clone
- Create branch
- Create pull request
- Compare
- Fork

NAVIGATION

- Overview
- Source
- Commits
- Branches
- Pull requests
- Pipelines **BETA**
- Downloads
- Settings

Last updated a minute ago
 Language JavaScript
 Access level Admin (revoke)

| | |
|----------|----------|
| 3 | 0 |
| Branches | Tags |
| 0 | 2 |
| Forks | Watchers |

Invite users to this repo

Send invitation

Recent activity

- 12 commits
 Pushed to chiphat/clock-app
 82af90 Add hosted url to README
 2ea4266 Make clock smaller
 dd45da6 Added build and deploy command...
 813f3eb Merge branch 'readme-with-test-c...
 9746613 Add script to deploy clock to S3
 + 7 more...

Joshua Tjhin · a minute ago

- chiphat/clock-app
 Repository created
 Joshua Tjhin · a minute ago

Simple clock app

Hosted at <https://demo-clock-app.s3.amazonaws.com/index.html>**Edit README**

To run

`npm start`Clock app will be available at <http://localhost:3002/>

To build

`npm run build`

To deploy

`npm run deploy`

To test

`npm test`

- Pipelines is now **enabled**.



Node.js

Configuration guide • Integrations

bitbucket-pipelines.yml

```
1 # This is a sample build configuration for Javascript.  
2 # Only use spaces to indent your .yml configuration.  
3 # -----  
4 # You can specify a custom docker image from Dockerhub as your build environment.  
5 image: node:5.11.0  
6  
7 pipelines:  
8   default:   
9     - step:  
10    script: # Modify the commands below to build your repository.  
11      - npm --version  
12      - npm install  
13      - npm test
```

Next

If you have issues getting your pipeline running, please refer to our [troubleshooting guide](#).

JS clock-app

ACTIONS

- Clone
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NAVIGATION

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chiphat / clock-app Pipelines **BETA** Help and feedback

All branches Pipeline Status Started Duration

OTHER BRANCHES

| Branch | Commit | Author | Message | Status | Started | Duration |
|--------------------------|---------|--------------|-------------------------------|---------|-------------------|----------|
| master | b4fefdb | Joshua Tjhin | Added bitbucket-pipelines.yml | Pending | a few seconds ago | 0 sec |
| update-readme-with-cmnds | | | | | | |
| readme-with-test-command | | | | | | |



clock-app

chiphat / clock-app / Pipelines

Pipelines BETA

In progress

Duration: 39 sec

Started: a few seconds ago

View configuration

b4fefdb

Added bitbucket-pipelines.yml

Joshua Tjhin

master

Logs

```
npm info lifecycle faye-websocket@0.10.0~postinstall: faye-websocket@0.10.0
npm info lifecycle sockjs@0.3.17~postinstall: sockjs@0.3.17
npm info lifecycle webpack-dev-server@1.16.1~postinstall: webpack-dev-server@1.16.1
npm info lifecycle whatwg-fetch@1.0.0~postinstall: whatwg-fetch@1.0.0
npm info lifecycle isomorphic-fetch@2.2.1~postinstall: isomorphic-fetch@2.2.1
npm info lifecycle fbjs@0.8.4~postinstall: fbjs@0.8.4
npm info lifecycle whet.extend@0.9.9~postinstall: whet.extend@0.9.9
npm info lifecycle svgo@0.7.0~postinstall: svgo@0.7.0
npm info lifecycle postcss-svgo@2.1.5~postinstall: postcss-svgo@2.1.5
npm info lifecycle cssnano@3.7.5~postinstall: cssnano@3.7.5
npm info lifecycle css-loader@0.25.0~postinstall: css-loader@0.25.0
npm info lifecycle window-size@0.1.0~postinstall: window-size@0.1.0
npm info lifecycle wordwrap@1.0.0~postinstall: wordwrap@1.0.0
npm info lifecycle optionator@0.8.2~postinstall: optionator@0.8.2
npm info lifecycle wrappy@1.0.2~postinstall: wrappy@1.0.2

npm info lifecycle once@1.4.0~postinstall: once@1.4.0
npm info lifecycle run-async@0.1.0~postinstall: run-async@0.1.0
npm info lifecycle inquirer@0.12.0~postinstall: inquirer@0.12.0
npm info lifecycle inflight@1.0.5~postinstall: inflight@1.0.5
npm info lifecycle glob@7.0.5~postinstall: glob@7.0.5
npm info lifecycle mocha@3.0.2~postinstall: mocha@3.0.2
npm info lifecycle glob@7.1.0~postinstall: glob@7.1.0
npm info lifecycle rimraf@2.5.4~postinstall: rimraf@2.5.4
npm info lifecycle globby@5.0.0~postinstall: globby@5.0.0
npm info lifecycle del@2.2.2~postinstall: del@2.2.2
npm info lifecycle glob@5.0.15~postinstall: glob@5.0.15
npm info lifecycle commoner@0.10.4~postinstall: commoner@0.10.4
npm info lifecycle react-tools@0.13.3~postinstall: react-tools@0.13.3
npm info lifecycle write@0.2.1~postinstall: write@0.2.1
npm info lifecycle flat-cache@1.2.1~postinstall: flat-cache@1.2.1
npm info lifecycle file-entry-cache@2.0.0~postinstall: file-entry-cache@2.0.0
npm info lifecycle xtend@4.0.1~postinstall: xtend@4.0.1
npm info lifecycle is-my-json-valid@2.14.0~postinstall: is-my-json-valid@2.14.0
npm info lifecycle eslint@3.6.0~postinstall: eslint@3.6.0
npm info lifecycle yargs@3.10.0~postinstall: yargs@3.10.0
npm info lifecycle uglify-js@2.6.4~postinstall: uglify-js@2.6.4
npm info lifecycle webpack@1.13.2~postinstall: webpack@1.13.2
npm info lifecycle moment@2.15.1~postinstall: moment@2.15.1
npm info lifecycle react@15.3.2~postinstall: react@15.3.2
npm info lifecycle react-dom@15.3.2~postinstall: react-dom@15.3.2
npm info lifecycle clock-app@1.0.0~preinstall: clock-app@1.0.0
npm info linkStuff clock-app@1.0.0
npm info lifecycle clock-app@1.0.0~install: clock-app@1.0.0
npm info lifecycle clock-app@1.0.0~postinstall: clock-app@1.0.0
npm info lifecycle clock-app@1.0.0~prepublish: clock-app@1.0.0
```

Help and feedback

JS clock-app

ACTIONS

- Clone
- Create branch
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- Compare
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NAVIGATION

- Overview
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- Pipelines **BETA**
- Downloads
- Settings

Help and feedback

chiphat / clock-app / Pipelines

Pipelines **BETA**

✓ Successful

⌚ Duration: 39 sec
Started: a few seconds ago
[View configuration](#)

⌚ b4fefdb
Added bitbucket-pipelines.yml
 Joshua Tjhin

v master

Logs

- > Build setup
- > npm install
- > npm test

[Download raw](#) ⌂ ⌃ ⌚

JS clock-app

ACTIONS

- Clone
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- Create pull request
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- Fork

NAVIGATION

- Overview
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Help and feedback

chiphat / clock-app / Pipelines

Pipelines **BETA**

✓ Successful

⌚ Duration: 39 sec
Started: a few seconds ago
[View configuration](#)

⌚ b4fefdb
Added bitbucket-pipelines.yml
 Joshua Tjhin

v master

Logs

- > Build setup
- > npm install
- > npm test
 - + npm test
 - npm info it worked if it ends with ok
 - npm info using npm@3.8.6
 - npm info using node@v5.11.0
 - npm info lifecycle clock-app@1.0.0~pretest: clock-app@1.0.0
 - npm info lifecycle clock-app@1.0.0~test: clock-app@1.0.0
 - > clock-app@1.0.0 test /opt/atlassian/bitbucketci/agent/build
 - > eslint src/**/*.{js,jsx} && mocha
 - Clock component
 - ✓ <Clock> should be of type <div>
 - ✓ <Clock> should contain <svg> and <div> children
 - ✓ <Clock> should contain animated clock
 - ✓ <Clock> should contain date
 - 4 passing (20ms)
 - npm info lifecycle clock-app@1.0.0~posttest: clock-app@1.0.0
 - npm info ok

JS clock-app

ACTIONS

- Clone
- Create branch
- Create pull request
- Compare
- Fork

NAVIGATION

- Overview
- Source
- Commits
- Branches
- Pull requests
- Pipelines **BETA**
- Downloads
- Settings

Chiphat / Office / clock-app

Overview

Last updated 10 minutes ago Language JavaScript Access level Admin (revoke)

| | |
|------------|------------|
| 3 Branches | 0 Tags |
| 0 Forks | 2 Watchers |

master has passed b4fefdb Added bitbucket-pipelines.yml 10 minutes ago

[Edit README](#)

Simple clock app

Hosted at <https://demo-clock-app.s3.amazonaws.com/index.html>

To run

`npm start`

Clock app will be available at <http://localhost:3002/>

To build

`npm run build`

To deploy

`npm run deploy`

To test

`npm test`

Invite users to this repo

[Send invitation](#)

Recent activity [RSS](#)

1 commit Pushed to chiphat/clock-app b4fefdb Added bitbucket-pipelines.yml Joshua Tjhin · 10 minutes ago

12 commits Pushed to chiphat/clock-app 82af90 Add hosted url to README 2ea4266 Make clock smaller dd45da6 Added build and deploy command... 813f3eb Merge branch 'readme-with-test-c...' 9746613 Add script to deploy clock to S3 + 7 more... Joshua Tjhin · 13 minutes ago

chiphat/clock-app Repository created Joshua Tjhin · 13 minutes ago

Bitbucket Pipelines



One tool,
one platform



Defining the
pipeline



Fast feedback loop



Ecosystem
Integrations



1 tool, 1 platform





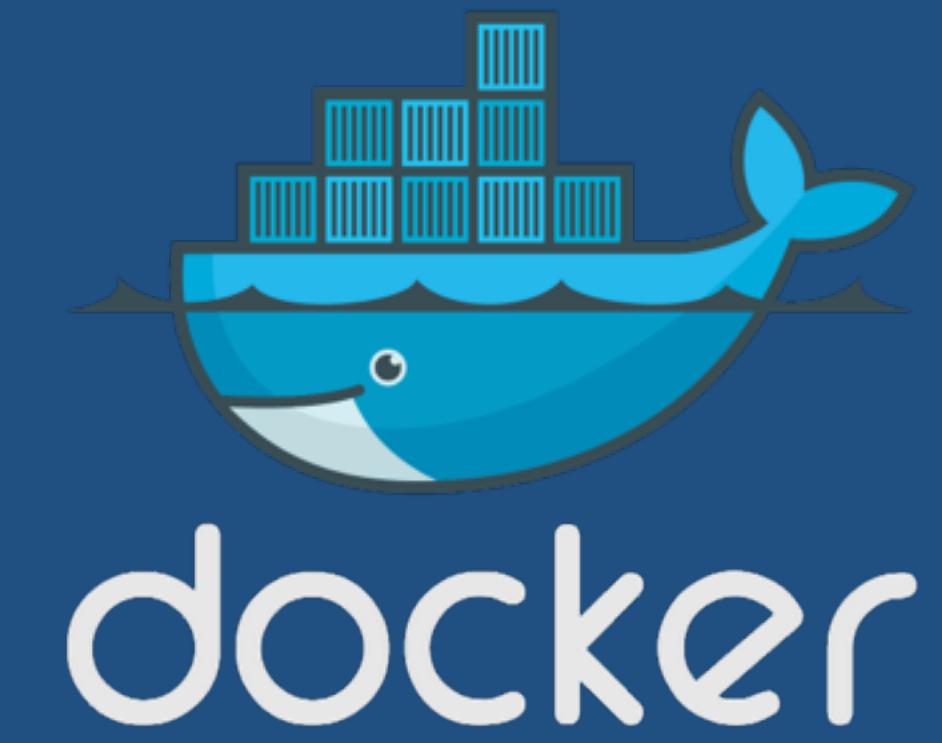
Bitbucket



Bitbucket Pipelines

 Atlassian Connect

 amazon
webservices

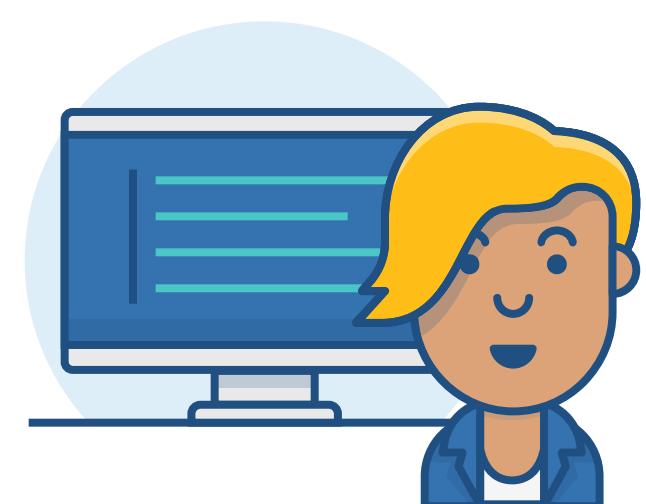
 docker





Bitbucket Webhook

Pushed code

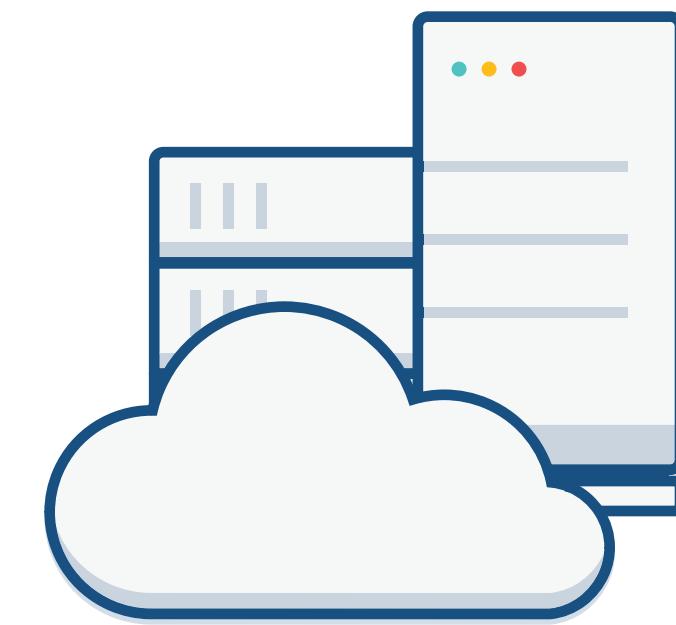


Start build container

 Bitbucket

 Bitbucket Pipelines

Pipeline build agents



Infrastructure-less

No need to manage a fleet of build servers.

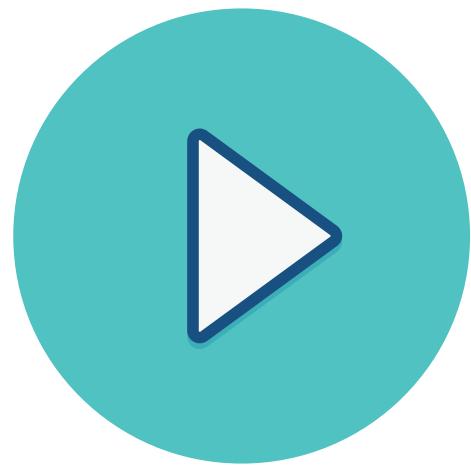


Configuration-less

No need to set up servers with specific requirements for builds.



Pipeline build agents



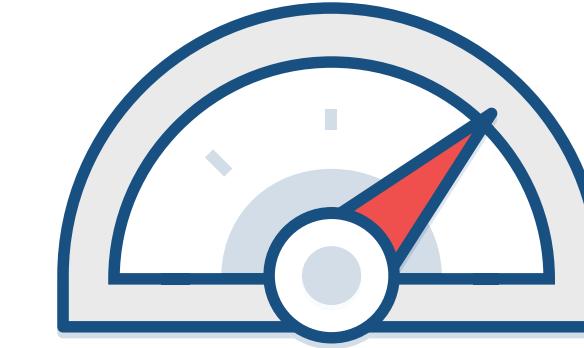
Ready to build

No waiting in line.
On every code push your
build starts instantly.



Build simultaneous

No limit on the amount
of simultaneous builds.



Build fast

Starting the build takes
just a couple of moments.



User management and security



Access groups

Access management

The existing Bitbucket users and groups are available in Pipelines as well.

The screenshot shows the Bitbucket Settings page under the 'User groups' section. The page includes a sidebar with navigation links like General, Plans and Billing, Access Management, Security, and Integrations and Features. The main content area displays a table of user groups with columns for Group, Members, and Repositories. A blue 'Add member' button is visible in the top right corner of the content area.

| Group | Members | Repositories |
|----------------------------------------|---------|--------------|
| Administrators ADMIN | 7 | 3 |
| Developers | 12 | 3 |
| Site Administrators ADMIN | 10 | 0 |
| Site Responders - Bitbucket | 1 | 0 |
| Site Responders - Pipelines | 3 | 1 |

Access groups

Access management

The existing Bitbucket repository permissions are applied to Pipelines as well.

The screenshot shows the Bitbucket repository settings page for a repository named 'meat-demo2'. The left sidebar contains navigation links for General, Repository details, Access management, Branch permissions, Username aliases, Deployment keys, Compliance, Git LFS (BETA), Transfer repository, and Delete repository. The main content area is titled 'Access management' and contains two sections: 'Users' and 'Groups'. The 'Users' section lists three users with their roles: Jeroen De Raedt (owner), Piotr Plewa [SF until 16/09] (READ, WRITE, ADMIN), and Sigge Birgisson (READ, WRITE, ADMIN). The 'Groups' section lists two groups with their roles: Developers (jeroentest:developers) (READ, WRITE, ADMIN) and Developers (jeroendra:developers) (READ, WRITE, ADMIN).

| User/Group | Role |
|------------------------------------|------------------------|
| Jeroen De Raedt | owner |
| Piotr Plewa [SF until 16/09] | READ WRITE ADMIN |
| Sigge Birgisson | READ WRITE ADMIN |
| Developers (jeroentest:developers) | READ WRITE ADMIN |
| Developers (jeroendra:developers) | READ WRITE ADMIN |

Enabling Bitbucket Pipelines



Pipelines is enabled



Defining the pipeline



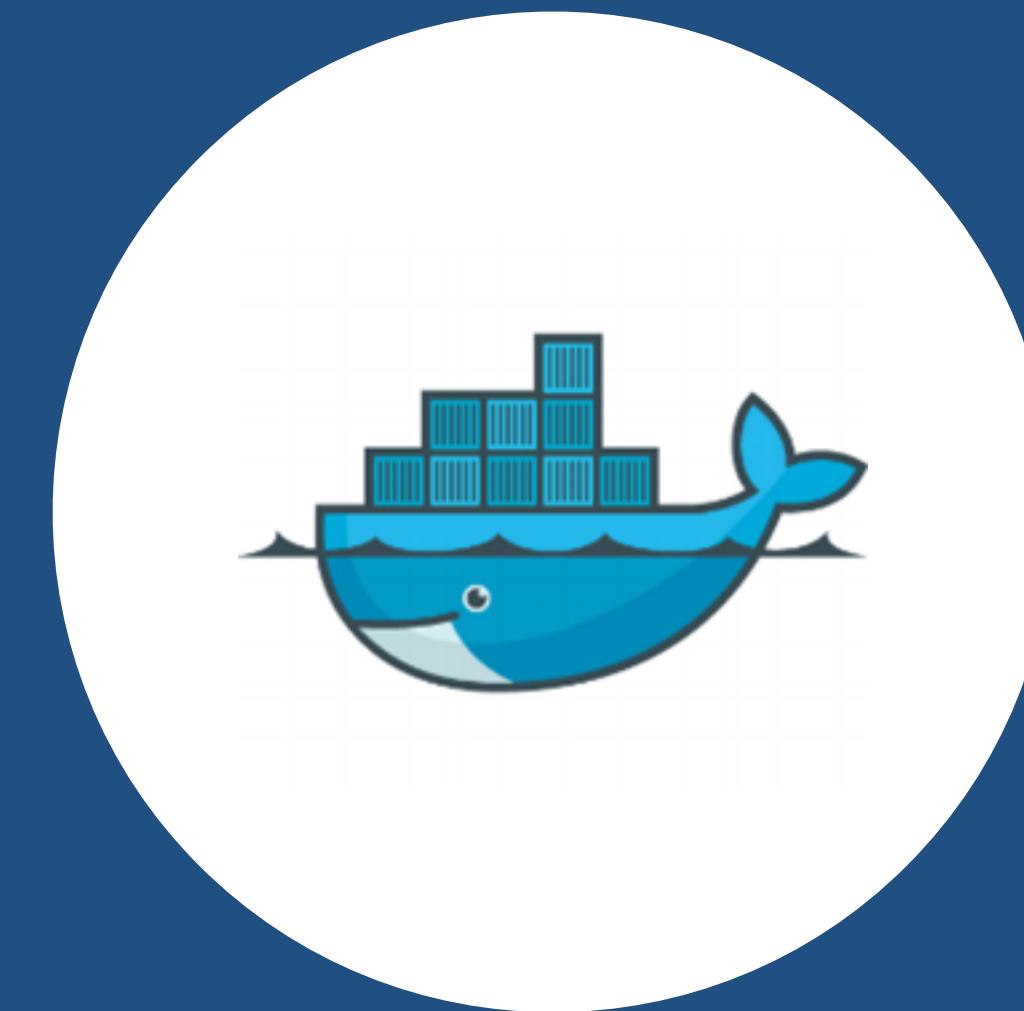
A wide-angle photograph of a majestic mountain range under a clear blue sky. In the foreground, rocky mountain ridges are visible. Below them, a deep green forest covers a valley, with a winding river or lake creating a light blue path through the trees. In the distance, more mountain peaks rise, some with patches of white snow. The overall scene is one of natural beauty and grandeur.

The Pipeline environment

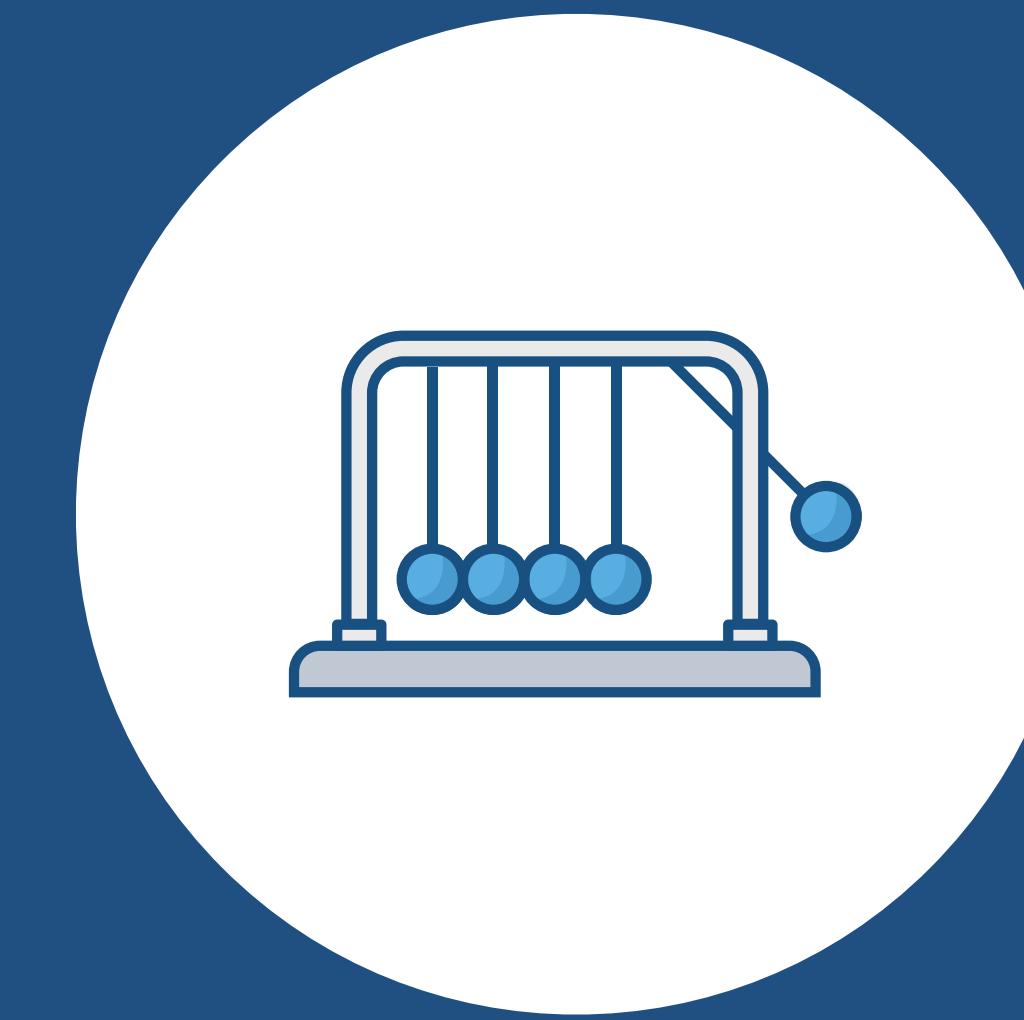
Defining the pipeline



**Configuration as
Code**



Docker Docker



Variables



Configuration as code

The screenshot shows the Bitbucket interface for editing a pipeline configuration file. The repository is named 'meat-demo2' and the file is 'bitbucket-pipelines.yml'. The code editor displays the following YAML configuration:

```
1 image: node:5.11.0
2
3 pipelines:
4   default:
5     - step:
6       script:
7         - npm install
8         - npm test
```

The Bitbucket sidebar on the left includes icons for JS, ..., Pipelines, Pull Requests, Push, Cloud, Refresh, Sync, Home, and Settings.

At the bottom of the editor, there are buttons for Syntax mode (YAML), Indent mode (Spaces), Indent size (2), View diff, Commit, and Cancel.



Configuration as Code

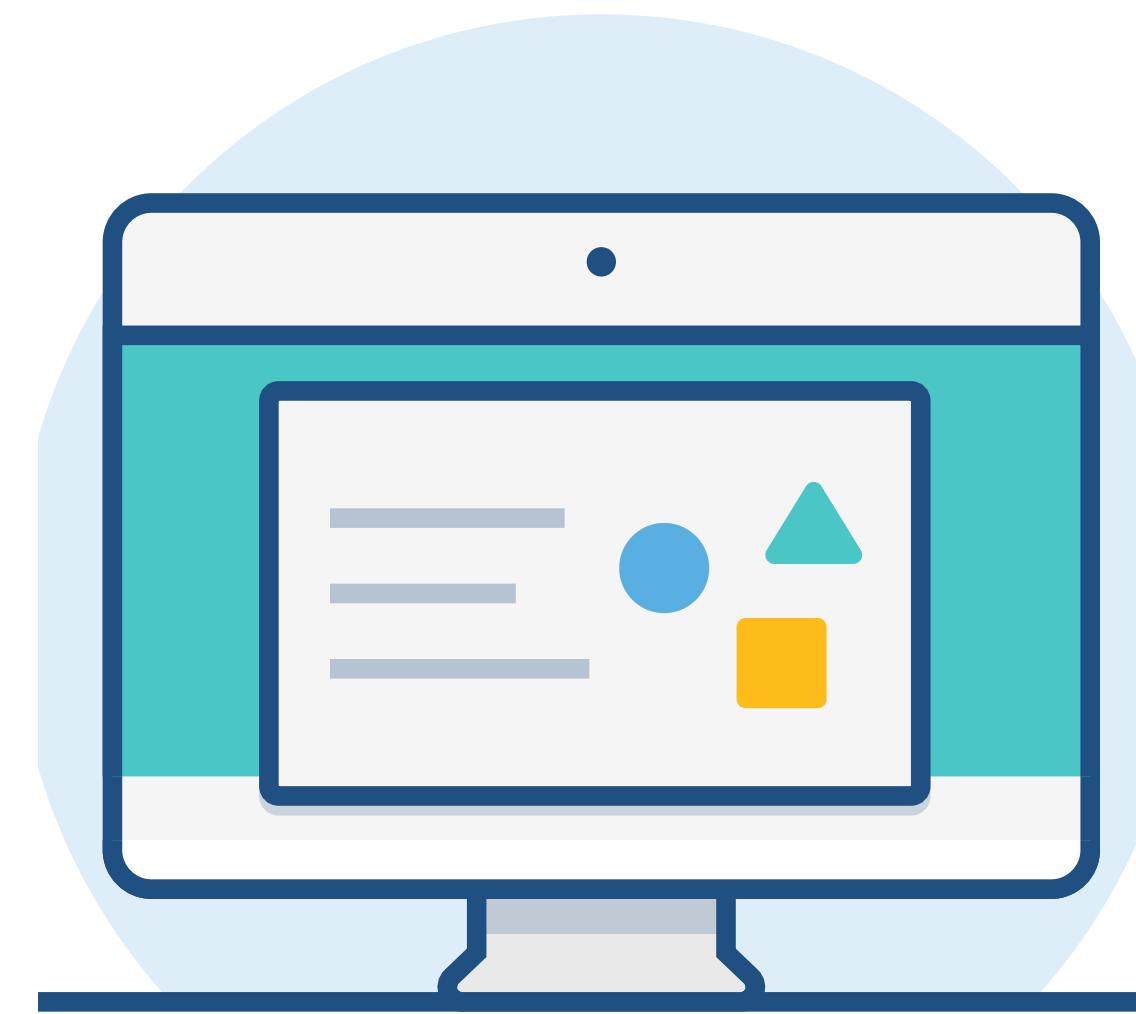




Easy to understand

Full overview of the pipeline in
the glimpse of an eye.

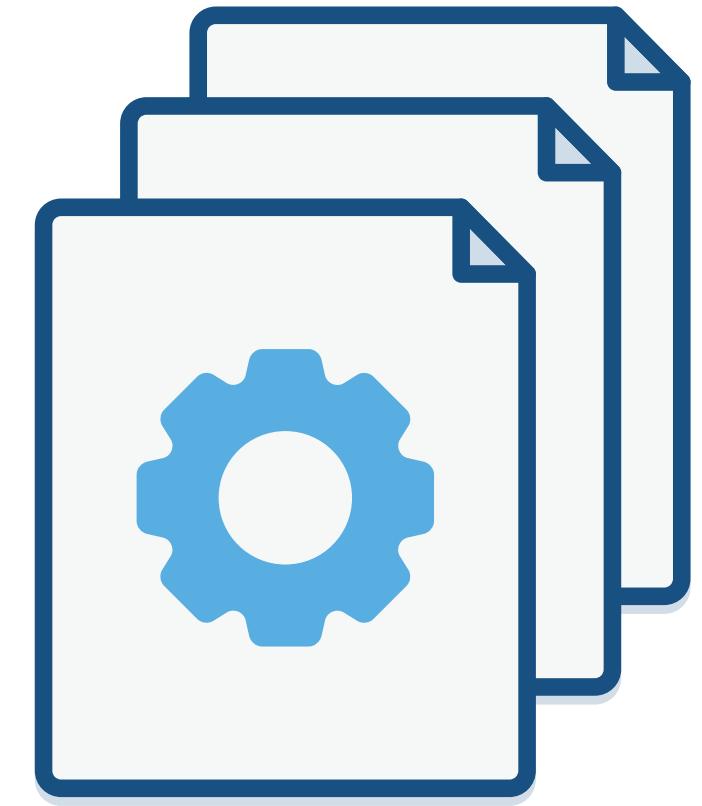




Stored in repository

Easy to import/export and you can use pull requests to review pipeline changes.



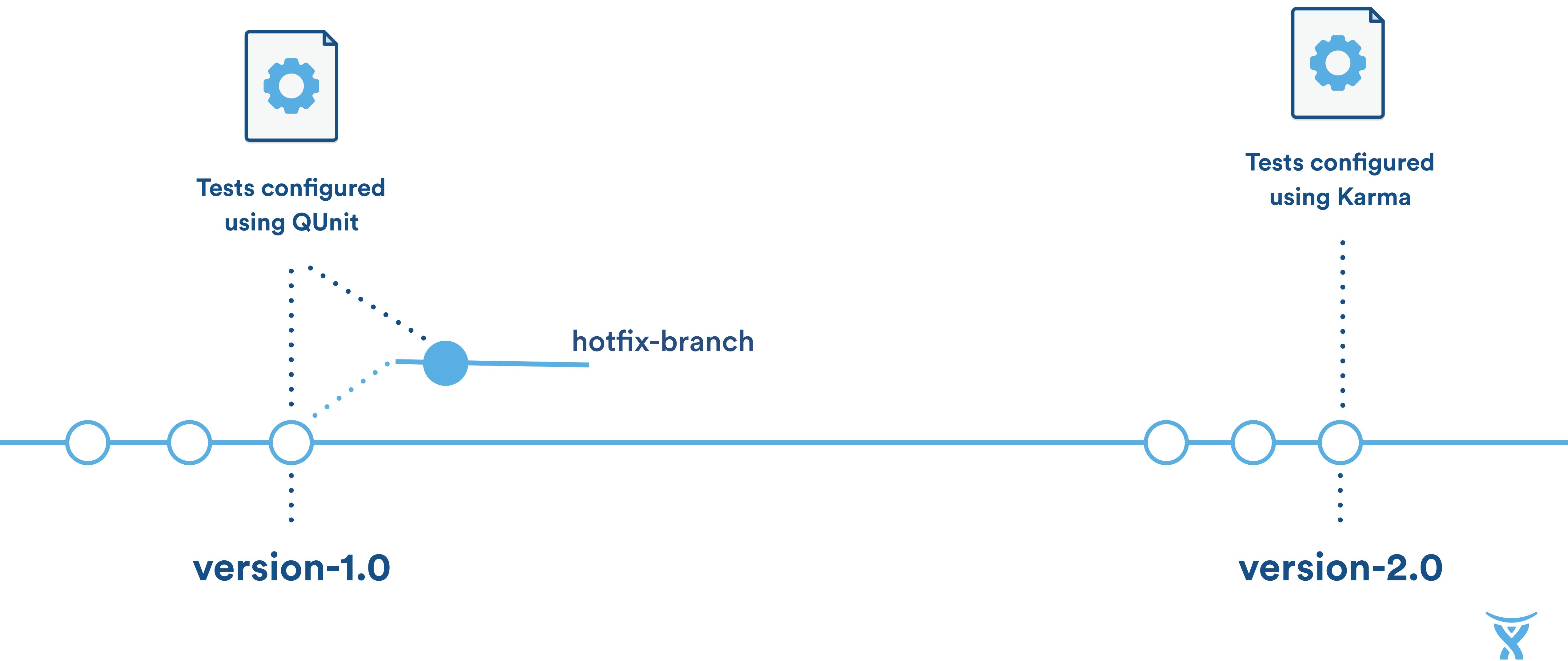


Versioned

You can go back in the commit history and run tests as they were configured at the time.



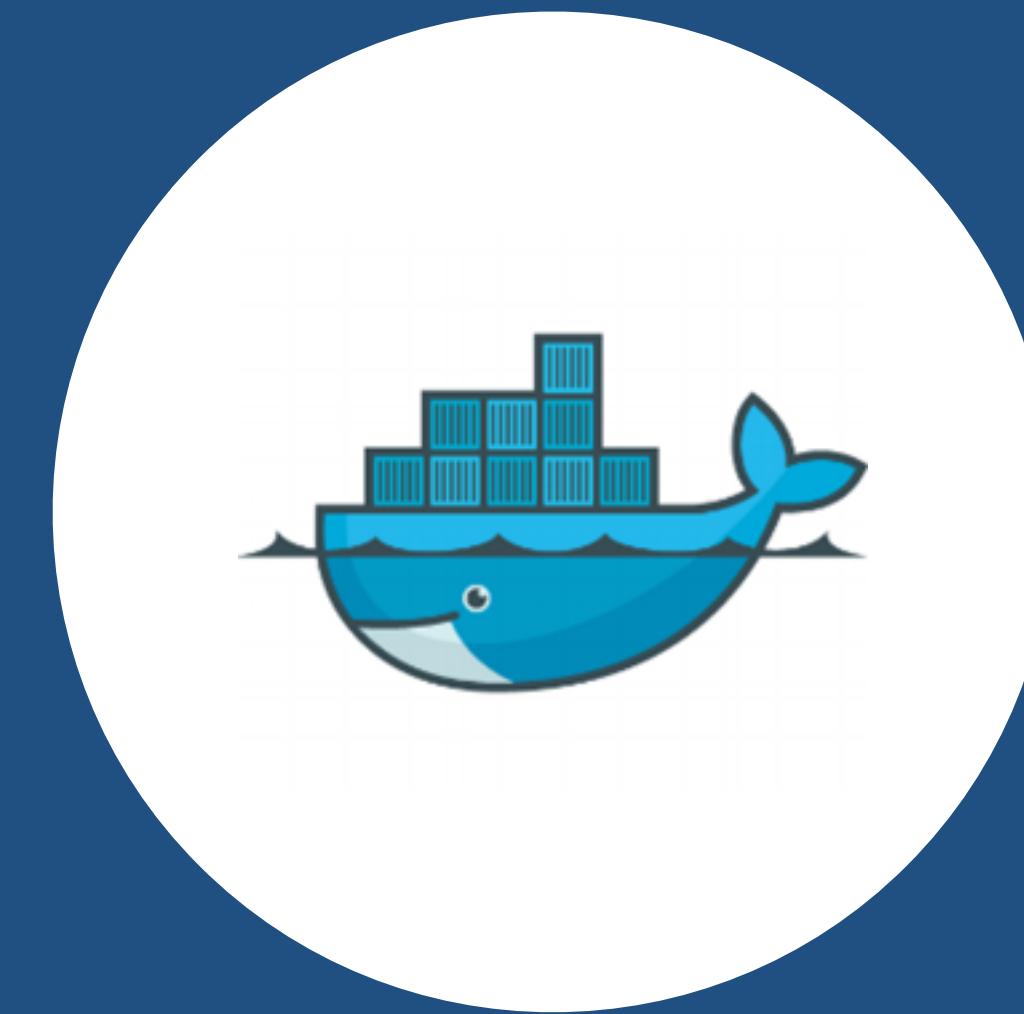
Versioned pipeline configuration



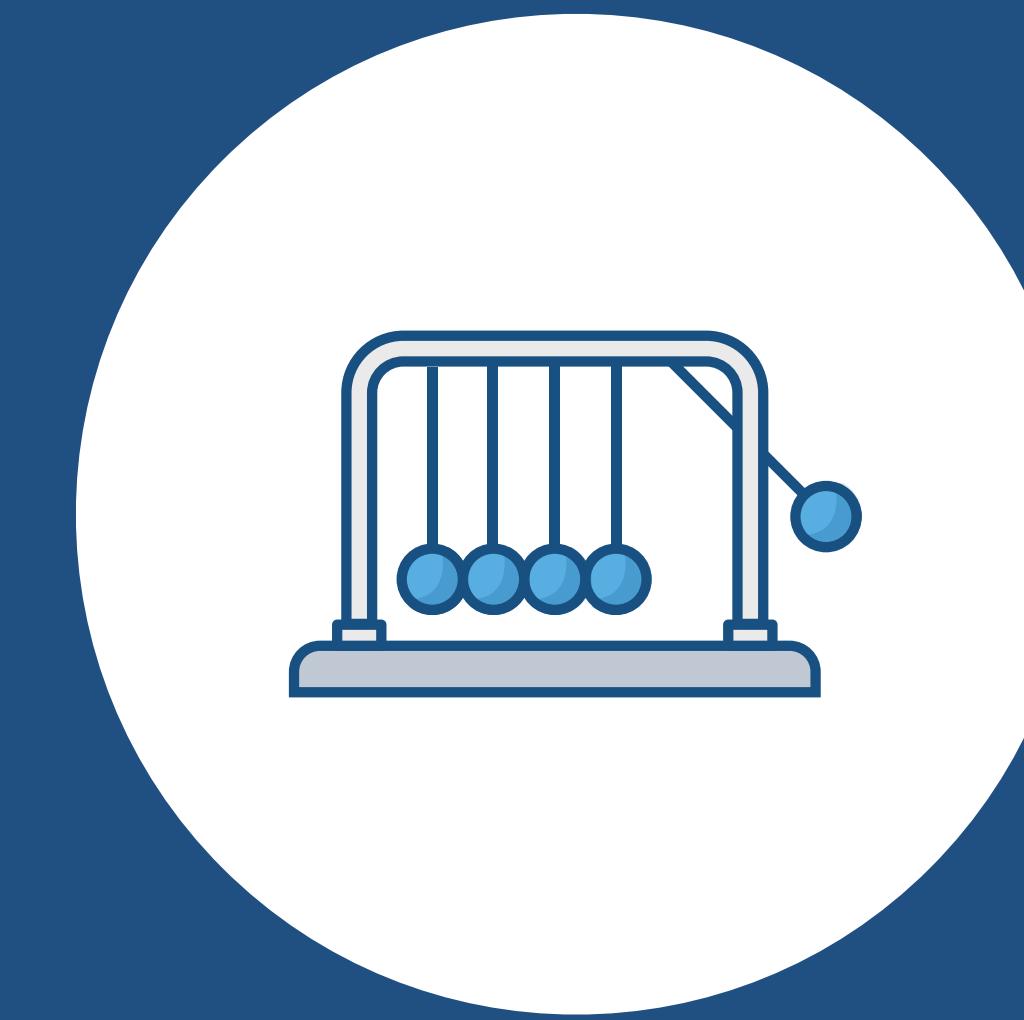
Defining the pipeline



**Configuration as
Code**



Docker Docker



Variables





summit-project

Jeroen De Raedt / summit-project

Source

ACTIONS

Clone

Create branch

Create pull request

Compare

Fork

NAVIGATION

Overview

Source

Commits

Branches

Pull requests

1

 Pipelines **BETA**

Downloads

Settings

master summit-project / bitbucket-pipelines.yml

Editing bitbucket-pipelines.yml on branch: master

```
1 image: node:5.11.0
2
3 pipelines:
4   default:
5     - step:
6       script:
7         - npm --version
8         - npm install
9         - npm test
```

Syntax mode: **YAML**Indent mode: **Spaces**Indent size: **2**Line wrap: **Off**



summit-project

Jeroen De Raedt / summit-project

Source

ACTIONS

Clone

Create branch

Create pull request

Compare

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NAVIGATION

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1

 Pipelines **BETA**

Downloads

Settings

master ▾ summit-project / bitbucket-pipelines.yml

Editing bitbucket-pipelines.yml on branch: **master**

```
1 image: node:5.11.0
2
3
4 default:
5   - step:
6     script:
7       - npm --version
8       - npm install
9       - npm test
```

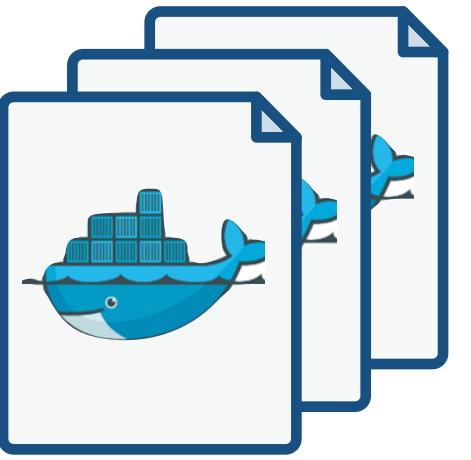
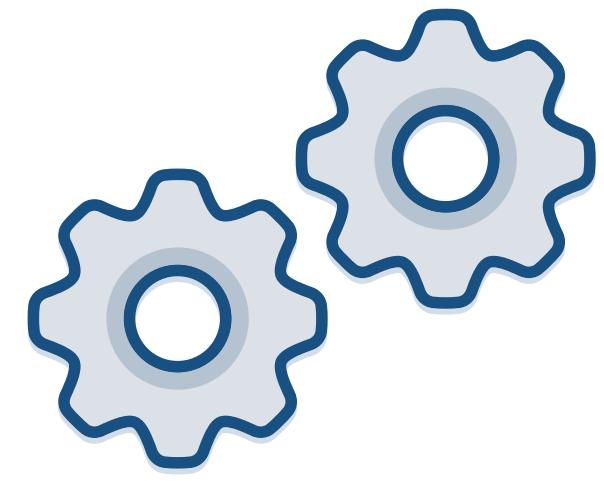
Syntax mode: **YAML**Indent mode: **Spaces**Indent size: **2**Line wrap: **Off**



docker



Why Pipelines uses Docker



Technology agnostic

Supports a very wide range of technologies and tools.

Docker registries

Over 100,000 Docker images available.





ubuntu
official

4.7K
STARS

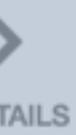
10M+
PULLS



registry
official

1.1K
STARS

10M+
PULLS



swarm
official

480
STARS

10M+
PULLS



mongo
official

2.3K
STARS

10M+
PULLS



mysql
official

3.1K
STARS

10M+
PULLS



alpine
official

1.4K
STARS

10M+
PULLS



node
official

2.8K
STARS

10M+
PULLS



postgres
official

2.6K
STARS

10M+
PULLS



elasticsearch
official

1.6K
STARS

10M+
PULLS



hello-world
official

164
STARS

10M+
PULLS



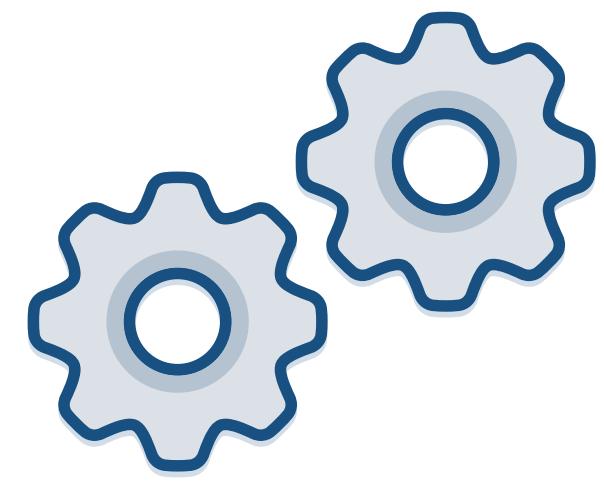
httpd

680
STARS

10M+

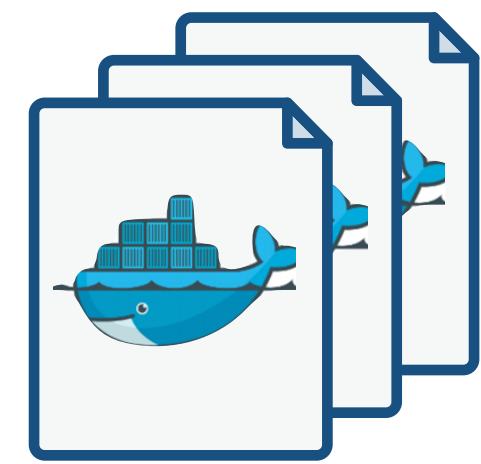


Why Pipelines uses Docker



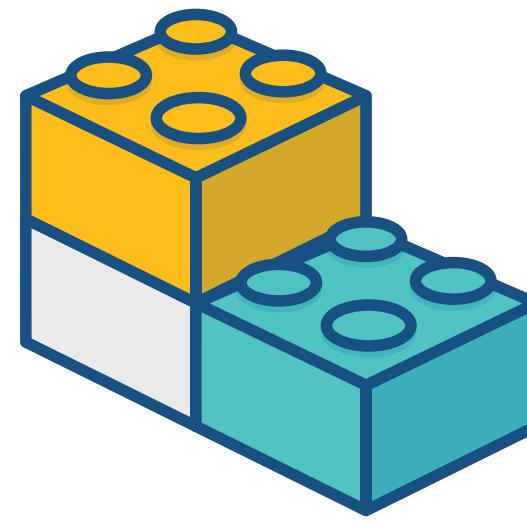
Technology agnostic

Supports a very wide range of technologies and tools.



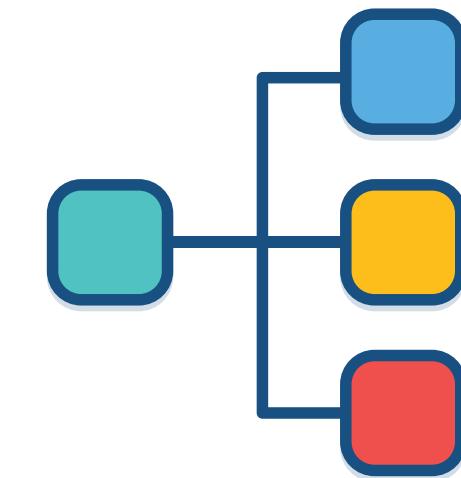
Docker Hub

Over 100,000 Docker images available.



Customizable

Easy to create your own or extend existing Docker images.



Reproducible

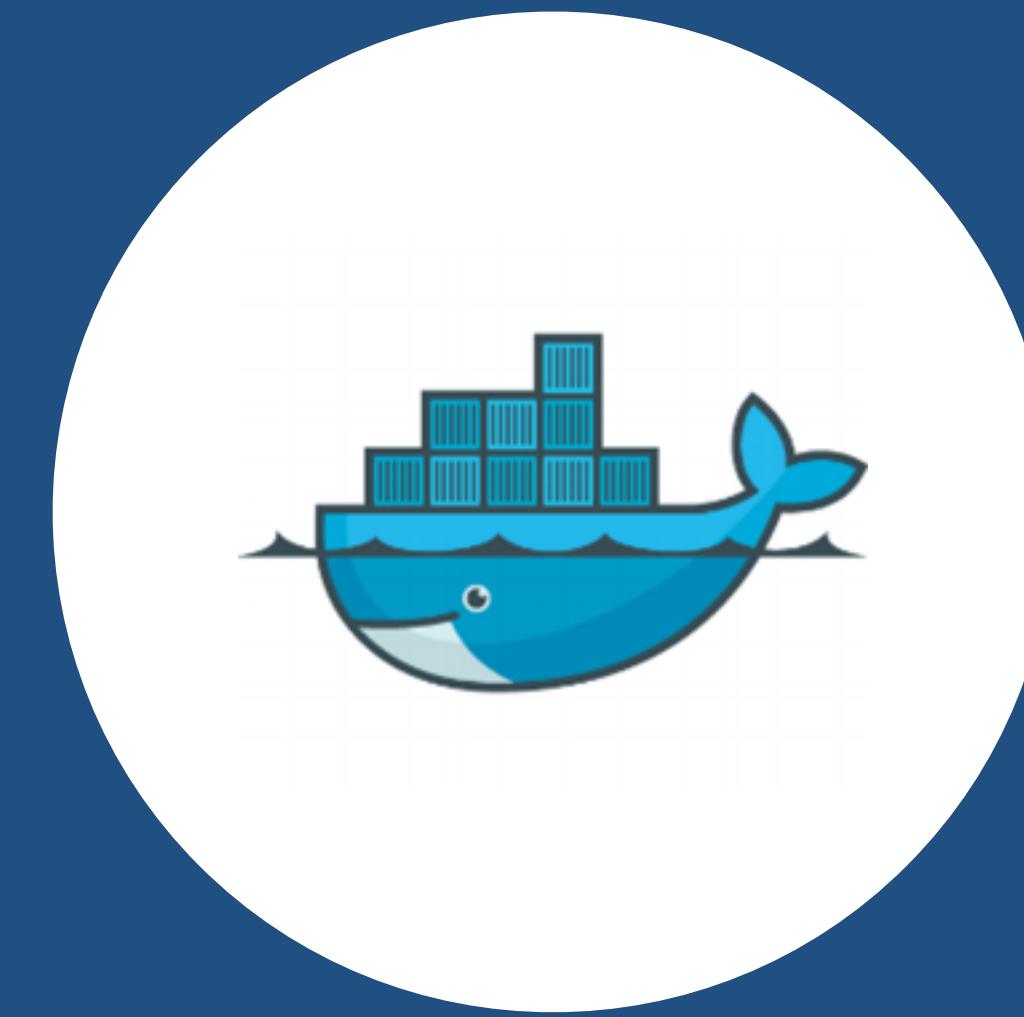
Easy to replicate your production environment or run the build locally.



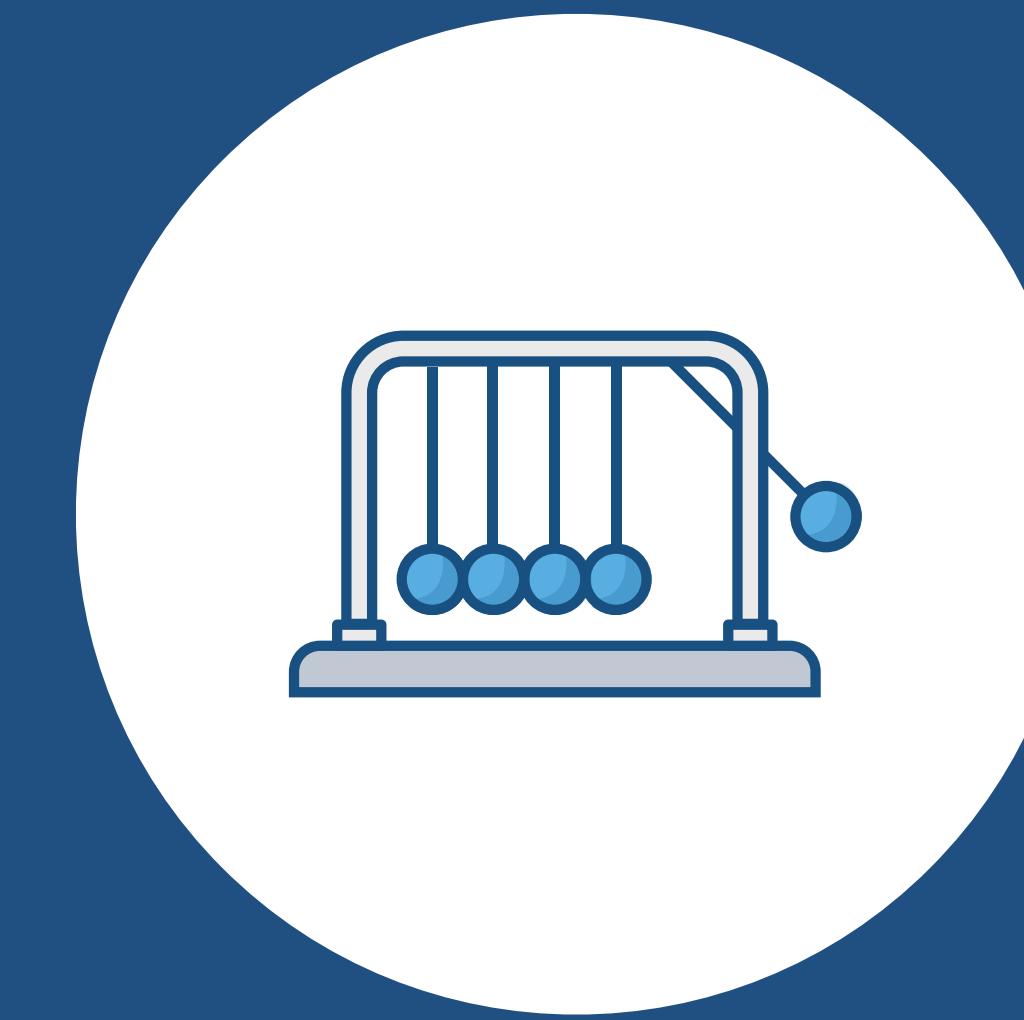
Defining the pipeline



**Configuration as
Code**



Docker Docker



Variables



JS

Jeroen De Raedt / summit-deployment-project

Settings

GENERAL

[Repository details](#)[Access management](#)[Branch permissions](#)[Username aliases](#)[Deployment keys](#)[Compliance](#)[Git LFS BETA](#)[Transfer repository](#)[Delete repository](#)

INTEGRATIONS

[Services](#)[Webhooks](#)[Links](#)

PULL REQUESTS

[Default reviewers](#)

ISSUES

[Issue tracker settings](#)

WIKI

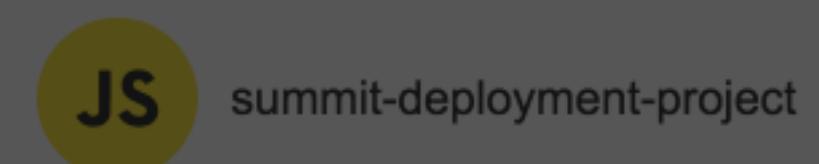
[Wiki settings](#)

Environment variables

Environment variables added on the repository level can be accessed by any users with push permissions in the repository. To access a variable, put the \$ symbol in front of its name. For example, access AWS_SECRET by using \$AWS_SECRET. For more information, see [Environment variables](#).

Repository variables override variables added on the account level. [View account variables](#)

| Type variable | Type value | <input type="checkbox"/> Secured | Add |
|-----------------------|----------------------|----------------------------------|-----|
| Variable name | Value | Actions | |
| AWS_S3_BUCKET | summit-project | | × |
| AWS_SECRET_ACCESS_KEY | | | × |
| AWS_ACCESS_KEY_ID | AKIAILON3KDMFR4B7P3A | | × |



Jeroen De Raedt / summit-deployment-project

Source

master



summit-deployment-project / bitbucket-pipelines.yml

Source Diff History

Editing bitbucket-pipelines.yml on branch: master

```
1 pipelines:
2   default:
3     - step:
4       script:
5         - apt-get install zip
6         - zip -r website.zip public
7         - chmod u+x deploy-to-s3.bash
8         - ./deploy-to-s3.bash $AWS_S3_BUCKET $AWS_SECRET_ACCESS_KEY $AWS_ACCESS_KEY_ID
```

Syntax mode:

YAML



Indent mode:

Spaces



Indent size:

2



Line wrap:

Off



View diff

Commit

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JS summit-deployment-project

ACTIONS

- Clone
- Create branch
- Create pull request
- Compare
- Fork

NAVIGATION

- Overview
- Source
- Commits
- Branches
- Pull requests
- Pipelines BETA**
- Downloads
- Settings

jeroendr / summit...roject / Pipelines

Pipelines BETA

✓ Successful ↻

⌚ Duration: 23 sec
Started: 4 minutes ago
[View configuration](#)

⌚ 0d6cf91
Fixed font size.

 [Jeroen De Raedt](#)

master

Logs

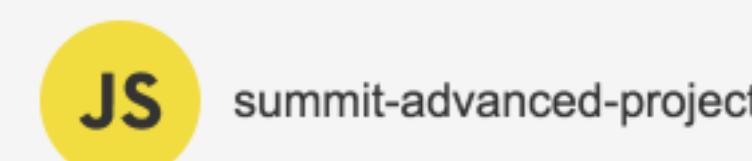
```

> Build setup
> apt-get install zip
> zip -r website.zip public
> chmod u+x deploy-to-s3.bash
< ./.deploy-to-s3.bash $AWS_S3_BUCKET $AWS_SECRET_ACCESS_KEY $AWS_ACCESS_KEY_ID
+ ./deploy-to-s3.bash $AWS_S3_BUCKET $AWS_SECRET_ACCESS_KEY $AWS_ACCESS_KEY_ID
+ AWS_S3_BUCKET=summit-project
+ AWS_ACCESS_KEY_ID=AKIAILON3KDMFR4B7P3A
+ AWS_SECRET_ACCESS_KEY=$AWS_SECRET_ACCESS_KEY
+ AWS_S3_TARGET_FILE=website.zip
+ S3_SOURCE_CONTENT_TYPE=application/zip
+ RESOURCE=/summit-project/summit-project/website.zip
++ date -R
+ DATE_VALUE='Sat, 17 Sep 2016 06:26:25 +0000'
+ STRING_TO_SIGN='PUT\napplication/zip\nSat, 17 Sep 2016 06:26:25 +0000\n/summit-project/summit-project/website.zip'
++ echo -en 'PUT\napplication/zip\nSat, 17 Sep 2016 06:26:25 '+0000\n/summit-project/summit-project/website.zip'
++ base64
++ openssl sha1 -hmac $AWS_SECRET_ACCESS_KEY -binary
+ SIGNATURE=gEj8p3yK0zwCzvJxdaC1P1mt818=
+ curl -X PUT -T '' -H 'Host: summit-project.s3.amazonaws.com' -H 'Date: Sat, 17 Sep 2016 06:26:25 +0000' -H 'Content-Type: application/zip' -H 'Authorization: AWS AKIAILON3KDMFR4B7P3A:gEj8p3yK0zwCzvJxdaC1P1mt818=' https://s3.amazonaws.com/summit-project/website.zip
<?xml version="1.0" encoding="UTF-8"?>
<Error><Code>TemporaryRedirect</Code><Message>Please re-send this request to the specified temporary endpoint. Continue to use the original request endpoint for future requests.</Message><Bucket>summit-project</Bucket><Endpoint>summit-project.s3-ap-southeast-2.amazonaws.com</Endpoint><RequestId>4B5CA3D34FB6154E</RequestId><HostId>DgTpOHkeUzwCQtrDosupmiz42Plrn2KNmLqxZe2yq7nj82gBNwXGeMZ6JRbVkQws8EFKKEucg+8=</HostId></Error>
```

Download raw ↗ ...

Advanced workflows





Jeroen De Raedt / summit-advanced-project

Source

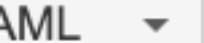
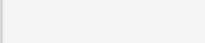
 master 

summit-advanced-project / bitbucket-pipelines.yml

[Source](#) [Diff](#) [History](#)

Editing bitbucket-pipelines.yml on branch: master

```
1 image:
2   name: jeroendr/node-s3
3   username: $DOCKERHUB_USERNAME
4   password: $DOCKERHUB_PASSWORD
5
6 pipelines:
7   branches:
8     feature/*:
9       - step:
10        image: node:5.11.0
11        script:
12          - npm install
13          - npm test
14     master:
15       - step:
16        script:
17          - npm install
18          - npm test
19          - ./deploy-to-s3.bash "staging-bucket" $AWS_SECRET_ACCESS_KEY $AWS_ACCESS_KEY_ID
20   production:
21     - step:
22      script:
23        - npm install
24        - npm test
25        - ./deploy-to-s3.bash "production-bucket" $AWS_SECRET_ACCESS_KEY $AWS_ACCESS_KEY_ID
26
```

Syntax mode:  YAMLIndent mode:  SpacesIndent size:  2Line wrap:  Off[View diff](#)[Commit](#)[Cancel](#)

Editing bitbucket-pipelines.yml on branch: master

```
1 image:
2   name: jeroendr/node-s3
3   username: $DOCKERHUB_USERNAME
4   password: $DOCKERHUB_PASSWORD
5
6 pipelines:
7   branches:
8     feature/*:
9       - step:
10        image: node:5.11.0
11        script:
12          - npm install
13          - npm test
14     master:
15       - step:
16        script:
17          - npm install
18          - npm test
19          - ./deploy-to-s3.bash "staging-bucket" $AWS_SECRET_ACCESS_KEY $AWS_ACCESS_KEY_ID
20   production:
21     - step:
22        script:
23          - npm install
24          - npm test
25          - ./deploy-to-s3.bash "production-bucket" $AWS_SECRET_ACCESS_KEY $AWS_ACCESS_KEY_ID
26
```

Editing bitbucket-pipelines.yml on branch: master

```
1 image:
2   name: jeroendr/node-s3
3   username: $DOCKERHUB_USERNAME
4   password: $DOCKERHUB_PASSWORD
5
6 pipelines:
7   branches:
8     feature/*:
9       - step:
10        image: node:5.11.0
11        script:
12          - npm install
13          - npm test
14     master:
15       - step:
16        script:
17          - npm install
18          - npm test
19          - ./deploy-to-s3.bash "staging-bucket" $AWS_SECRET_ACCESS_KEY $AWS_ACCESS_KEY_ID
20   production:
21     - step:
22        script:
23          - npm install
24          - npm test
25          - ./deploy-to-s3.bash "production-bucket" $AWS_SECRET_ACCESS_KEY $AWS_ACCESS_KEY_ID
26
```

Editing bitbucket-pipelines.yml on branch: master

```
1 image:
2   name: jeroendr/node-s3
3   username: $DOCKERHUB_USERNAME
4   password: $DOCKERHUB_PASSWORD
5
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7   branches:
8     feature/*:
9       - step:
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11        script:
12          - npm install
13          - npm test
14   master:
15     - step:
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17         - npm install
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20   production:
21     - step:
22       script:
23         - npm install
24         - npm test
25         - ./deploy-to-s3.bash "production-bucket" $AWS_SECRET_ACCESS_KEY $AWS_ACCESS_KEY_ID
26
```

Editing bitbucket-pipelines.yml on branch: master

```
1 image:
2   name: jeroendr/node-s3
3   username: $DOCKERHUB_USERNAME
4   password: $DOCKERHUB_PASSWORD
5
6 pipelines:
7   branches:
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9       - step:
10        image: node:5.11.0
11        script:
12          - npm install
13          - npm test
14   master:
15     - step:
16       script:
17         - npm install
18         - npm test
19         - ./deploy-to-s3.bash "staging-bucket" $AWS_SECRET_ACCESS_KEY $AWS_ACCESS_KEY_ID
20   production:
21     - step:
22       script:
23         - npm install
24         - npm test
25         - ./deploy-to-s3.bash "production-bucket" $AWS_SECRET_ACCESS_KEY $AWS_ACCESS_KEY_ID
26
```

Editing bitbucket-pipelines.yml on branch: master

```
1 image:
2   name: jeroendr/node-s3
3   username: $DOCKERHUB_USERNAME
4   password: $DOCKERHUB_PASSWORD
5
6 pipelines:
7   branches:
8     feature/*:
9       - step:
10        image: node:5.11.0
11        script:
12          - npm install
13          - npm test
14     master:
15       - step:
16        script:
17          - npm install
18          - npm test
19          - ./deploy-to-s3.bash "staging-bucket" $AWS_SECRET_ACCESS_KEY $AWS_ACCESS_KEY_ID
20   production:
21     - step:
22        script:
23          - npm install
24          - npm test
25          - ./deploy-to-s3.bash "production-bucket" $AWS_SECRET_ACCESS_KEY $AWS_ACCESS_KEY_ID
26
```

production

master

Editing bitbucket-pipelines.yml on branch: master

```
1 image:
2   name: jeroendr/node-s3
3   username: $DOCKERHUB_USERNAME
4   password: $DOCKERHUB_PASSWORD
5
6 pipelines:
7   branches:
8     feature/*:
9       - step:
10        image: node:5.11.0
11        script:
12          - npm install
13          - npm test
14   master:
15     - step:
16       script:
17         - npm install
18         - npm test
19         - ./deploy-to-s3.bash "staging-bucket" $AWS_SECRET_ACCESS_KEY
20   production:
21     - step:
22       script:
23         - npm install
24         - npm test
25         - ./deploy-to-s3.bash "production-bucket" $AWS_SECRET_ACCESS_KEY
```

Syntax mode: **YAML** ▾

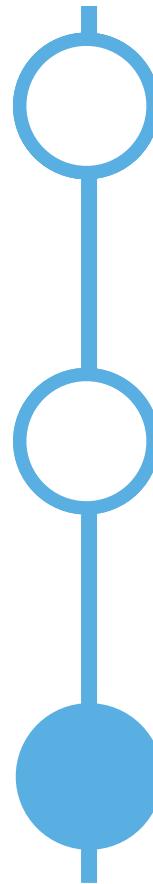
Indent mode: **Spaces** ▾

Indent size: **2** ▾

production

master

feature/my-branch



Editing bitbucket-pipelines.yml on branch: master

```
1 image:
2   name: jeroendr/node-s3
3   username: $DOCKERHUB_USERNAME
4   password: $DOCKERHUB_PASSWORD
5
6 pipelines:
7   branches:
8     feature/*:
9       - step:
10        image: node:5.11.0
11        script:
12          - npm install
13          - npm test
14
15     master:
16       - step:
17         script:
18           - npm install
19           - npm test
20           - ./deploy-to-s3.bash "staging-bucket" $AWS_SECRET_AC
21
22     production:
23       - step:
24         script:
25           - npm install
26           - npm test
27           - ./deploy-to-s3.bash "production-bucket" $AWS_SECRET_AC
```

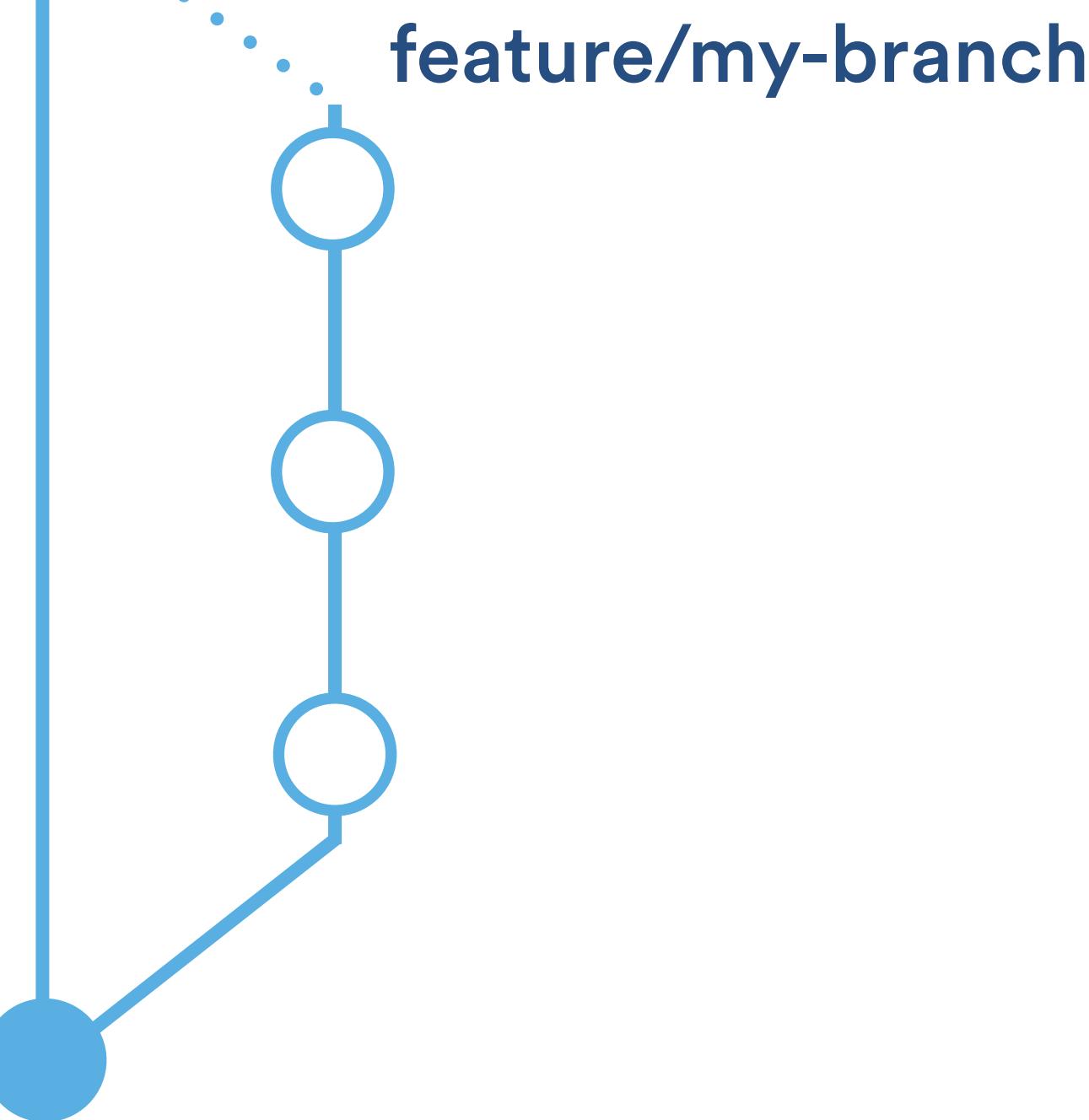
Syntax mode: YAML ▾

Indent mode: Spaces ▾

Indent size: 2 ▾

production

master



Editing bitbucket-pipelines.yml on branch: master

```
1 image:
2   name: jeroendr/node-s3
3   username: $DOCKERHUB_USERNAME
4   password: $DOCKERHUB_PASSWORD
5
6 pipelines:
7   branches:
8     feature/*:
9       - step:
10        image: node:5.11.0
11        script:
12          - npm install
13          - npm test
14   master:
15     - step:
16       script:
17         - npm install
18         - npm test
19         - ./deploy-to-s3.bash "staging-bucket" $AWS_SECRET_AC
20   production:
21     - step:
22       script:
23         - npm install
24         - npm test
25         - ./deploy-to-s3.bash "production-bucket" $AWS_SECRET_AC
```

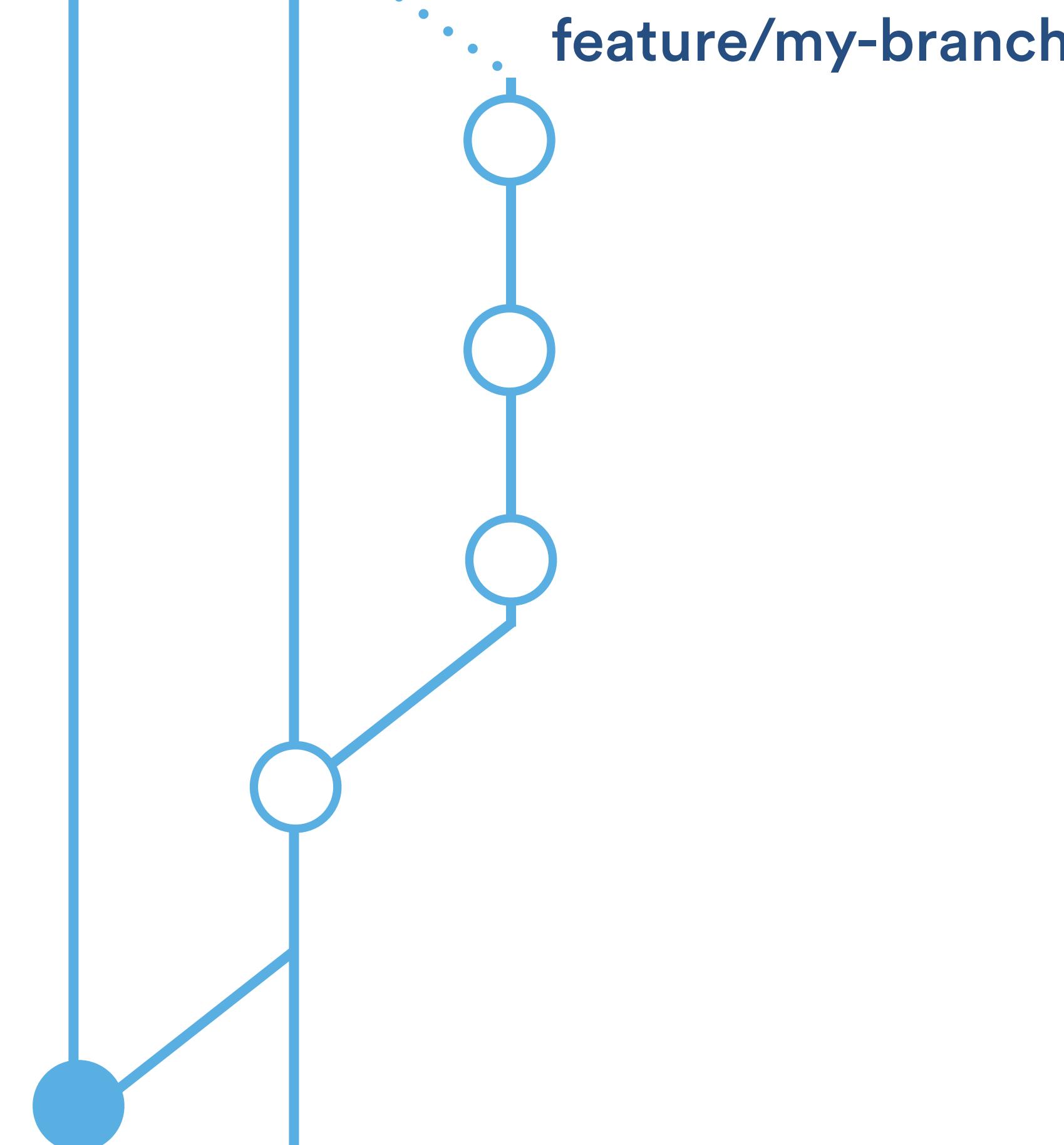
Syntax mode: YAML ▾

Indent mode: Spaces ▾

Indent size: 2 ▾

production

master



Editing bitbucket-pipelines.yml on branch: master

```
1 image:
2   name: jeroendr/node-s3
3   username: $DOCKERHUB_USERNAME
4   password: $DOCKERHUB_PASSWORD
5
6 pipelines:
7   branches:
8     feature/*:
9       - step:
10        image: node:5.11.0
11        script:
12          - npm install
13          - npm test
14   master:
15     - step:
16       script:
17         - npm install
18         - npm test
19         - ./deploy-to-s3.bash "staging-bucket" $AWS_SECRET_AC
20   production:
21     - step:
22       script:
23         - npm install
24         - npm test
25         - ./deploy-to-s3.bash "production-bucket" $AWS_SECRET_AC
```

Syntax mode: YAML ▾

Indent mode: Spaces ▾

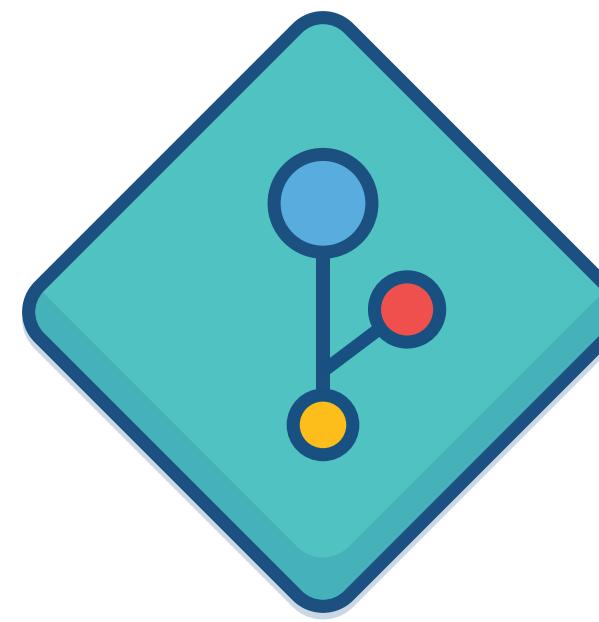
Indent size: 2 ▾

Branch pipelines opportunities



Review deployments

Use pull requests to review and kick off deployments.



Deployment branches

Branches can represent what has been released.



<ak/> atlaskit

ACTIONS

- Clone
- Create branch
- Create pull request
- Compare
- Fork

NAVIGATION

- Overview
- Source
- Commits
- Branches
- Pull requests (20)
- Pipelines (BETA)
- Downloads

Overview

[SSH](#) <git@bitbucket.org:atlassian/atlaskit>

| | | | |
|--------------|-----------------------------------------------------------------------------------------------------------------|------------------------|----------------------|
| Last updated | 7 minutes ago | 99+ Branches | 99+ Tags |
| Website | https://aui-cdn.atlassian.com/atlaskit/registry/ | | |
| Language | JavaScript | | |
| Access level | Write (revoke) | 5 Forks | 9 Watchers |

| | | |
|--------------------|----------------------------------------------------------------------------------------|--|
| master is building | 11ef557 Merged in new-component-remove-ignored-files (pull request #523) chore: mak... | |
|--------------------|----------------------------------------------------------------------------------------|--|

AtlasKit

Builds **Building...** commitizen friendly node 6.10+ npm 3.8+

AtlasKit is the Design Platform's implementation of ADG3. It is a collection of reusable webcomponents that can be consumed independently (no more upgrade pains!). Each component is independently versioned and published to npm, a list can be found in the [registry](#).

Reporting issues

Please refer to [our issue tracker](#).

Licensing

This is a [mono-repo](#), which means that different parts of this repository can have different licenses. Anything on the base level is licensed as Apache-2.0. Every folder inside `/packages` has its own license file, please refer to the license file to find out more what you can and can not do with the respective sub-component.

Most components are also licensed under the Apache-2.0 license, however some of the components are licensed under different licenses (please refer to the `LICENSE` file in each package). Please note that especially packages containing styles & icons are licensed under the [Atlassian Design Guidelines license](#). Be aware that if you fork this repository you can continue to use those Atlassian Design Guidelines licensed components only under the given license restrictions. If you want to redistribute this whole repository you will need to replace these components with your own implementation.

Development

Getting started

Prerequisites

- node version should be 6 or above (to check `node -v`)
- npm version should be 3 or above (to check `npm --version`) or use nvm

Recent activity

- [chore: Fix missing lerna peer depende...](#)
Pull request #526 created in atlassian/atlaskit
Joscha Feth · 7 minutes ago
- [1 commit](#)
Pushed to atlassian/atlaskit
[530cba4](#) chore: Fix missing lerna peer dep...
Joscha Feth · 8 minutes ago
- [3 commits](#)
Pushed to atlassian/atlaskit
[11ef557](#) Merged in new-component-remo...
[a91cfa1](#) Merge branch 'bump-deps' into n...
[167c7f6](#) chore: make sure new componen...
Joscha Feth · 12 minutes ago
- [chore: make sure new components do ...](#)
Pull request #523 merged in atlassian/atlaskit
Joscha Feth · 12 minutes ago
- [chore: make sure new components do ...](#)
Pull request #523 approved in atlassian/atlaskit
Ben Wong '15 · 16 minutes ago
- [refactor\(component\): save/cancel butto...](#)
Pull request #512 commented on in atlassian/atlaskit
Bradley Ayers · 28 minutes ago
- [Dropdown with radio items](#)
Pull request #493 commented on in atlassian/atlaskit
Matias Corbanini · 36 minutes ago
- [chore: ignore index file itself](#)
Pull request #521 approved in atlassian/atlaskit
Ben Wong '15 · 41 minutes ago
- [chore: ignore index file itself](#)

 11ef557 16 minutes ago ▾

[Full commit](#)

[Blame](#)

[Embed](#)

[Raw](#)

[Edit](#) ▾

```
1 image: atlassianlabs/atlaskit
2 pipelines:
3   branches:
4     master:
5       - step:
6         script:
7           - ./build/bin/last_commit_has_changes.sh || exit 0
8           - ./build/bin/setup.sh
9           - ./build/bin/prep_for_release.sh
10          - npm install
11          - run-p -ln "validate/package.json" "lint" "test/base" "test/browserstack/ci" "build/install/cdn-tools"
12          - npm run test/integration
13          - npm run release
14          - run-p -ln "release/registry" "release/storybooks" "release/announce"
15 default:
16   - step:
17     script:
18       - ./build/bin/setup.sh
19       - npm install
20       - run-p -ln "validate/package.json" "lint" "test/base" "test/browserstack/ci" "pr/artifacts"
```



 11ef557 16 minutes ago ▾

[Full commit](#)

[Blame](#) [Embed](#) [Raw](#) [Edit](#) ▾

```
1 image: atlassianlabs/atlaskit
2 pipelines:
3   branches:
4     master:
5       - step:
6         script:
7           - ./build/bin/last_commit_has_changes.sh || exit 0
8           - ./build/bin/setup.sh
9           - ./build/bin/prep_for_release.sh
10          - npm install
11          - run-p -ln "validate/package.json" "lint" "test/base" "test/browserstack/ci" "build/install/cdn-tools"
12          - npm run test/integration
13          - npm run release
14 default:
15   - step:
16     script:
17       - ./build/bin/setup.sh
18       - npm install
19       - run-p -ln "validate/package.json" "lint" "test/base" "test/browserstack/ci" "pr/artifacts"
```



 11ef557 16 minutes ago ▾

Full commit

Blame Embed Raw Edit ▾

```
1 image: atlassianlabs/atlaskit
2 pipelines:
3   branches:
4     master:
5       - step:
6         script:
7           - ./build/bin/last_commit_has_changes.sh || exit 0
8           - ./build/bin/setup.sh
9           - ./build/bin/prep_for_release.sh
10          - npm install
11          - run-p -ln "validate/package.json" "lint" "test/base" "test/browserstack/ci" "build/install/cdn-tools"
12          - npm run test/integration
13          - npm run release
14          - run-p -ln "release/registry" "release/storybooks" "release/announce"
15
16       - step:
17         script:
18           - ./build/bin/setup.sh
19           - npm install
20           - run-p -ln "validate/package.json" "lint" "test/base" "test/browserstack/ci" "pr/artifacts"
```



 atlassian / ataskit

ACTIONS

- Clone
- Create branch
- Create pull request
- Compare
- Fork

NAVIGATION

- Overview
- Source
- Commits
- Branches
- Pull requests 20
- Pipelines **BETA**
- Downloads

atlassian / ataskit

Pipelines **BETA**

All branches

| Pipeline | Status | Started | Duration |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|------------|---------------------|
|  chore(release): releasing component affects: ak-dropdown@3.2.0 Rel... aui-team Bot[ADM-89581] ⚡ d2ec6fc ➔ master | ✓ Successful | 8 days ago | 13 sec |
|  Merged in ak-dropdown-using-ak-button (pull request #430) feat(comp... Matias Corbanini ⚡ c3f1be6 ➔ master | ✓ Successful | 8 days ago | 1 hrs 17 min 15 sec |
|  Merged in FAB-669-monospace-to-code-block (pull request #425) FA... Artur Bodera ⚡ 3cb5c7e ➔ master | ✓ Successful | 8 days ago | 44 min 10 sec |
|  chore(release): releasing component affects: ak-tag-group@2.0.1 Rel... aui-team Bot[ADM-89581] ⚡ 62820ce ➔ master | ✓ Successful | 8 days ago | 53 sec |
|  Merged in fix-npm-markdown (pull request #439) Fix npm markdown (... Soney Mathew ⚡ 65d86fa ➔ master | ✓ Successful | 8 days ago | 37 min 39 sec |
|  Merged in AK-330-create-the-layer-docs (pull request #432) AK-330 c... Joscha Feth ⚡ 907b564 ➔ master | ! Failed | 9 days ago | 3 min 4 sec |
|  Merged in AK-329-create-the-blanket-docs (pull request #435) AK-32... Joscha Feth ⚡ 88c5388 ➔ master | ! Failed | 9 days ago | 5 min 22 sec |
|  chore(release): releasing component affects: akutil-shared-styles@33.... aui-team Bot[ADM-89581] ⚡ 1f582ca ➔ master | ✓ Successful | 9 days ago | 1 min 3 sec |
|  Merged in AK-314-review-the-button-group-docs (pull request #411) d... Joscha Feth ⚡ bc6c732 ➔ master | ✓ Successful | 9 days ago | 59 min 28 sec |
|  Merged in AK-314-review-the-button-group-docs (pull request #411) d... Joscha Feth ⚡ bc6c732 ➔ master | ● Stopped | 9 days ago | 4 min 21 sec |

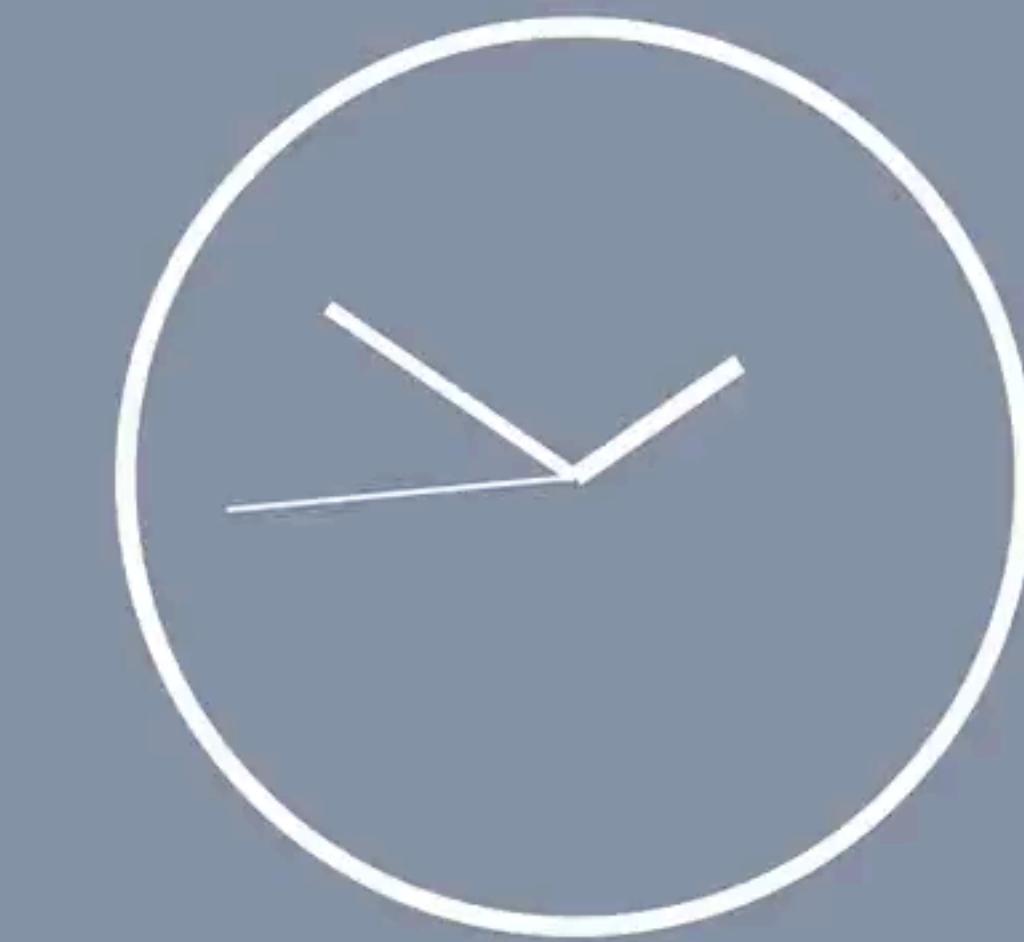
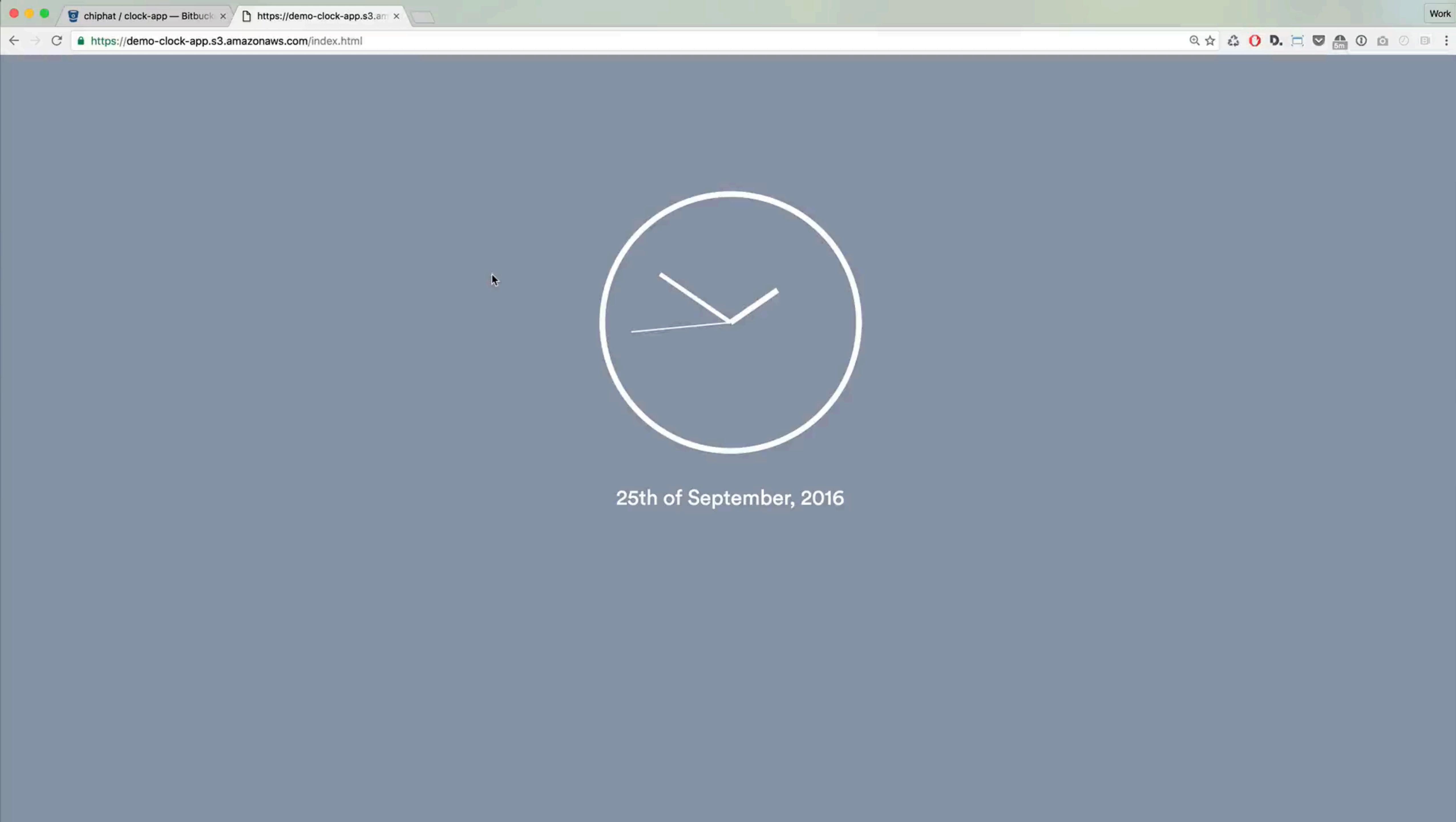
Load more..

Prev 1 2 ... 6 7 8 9 10 11 12 13 14 ... 129 130 Next

[Help and feedback](#)

Fast feedback loop





25th of September, 2016

Developer magic happens



JS clock-app

ACTIONS

- Clone
- Create branch
- Create pull request
- Compare
- Fork

NAVIGATION

- Overview
- Source
- Commits
- Branches
- Pull requests
- Pipelines BETA
- Downloads

Settings

Pull requests



Collaborate and improve code quality

Branch. Discuss. Merge. With pull requests, you're in control.

[Create a pull request](#) [Learn more](#)

JS clock-app

ACTIONS

- Clone
- Create branch
- Create pull request
- Compare
- Fork

NAVIGATION

- Overview
- Source
- Commits
- Branches
- Pull requests
- Pipelines **BETA**
- Downloads

Settings

chiphat / clock-app Pipelines **BETA** Help and feedback

All branches Pipeline Status Started Duration

OTHER BRANCHES

| Branch | Pipeline | Status | Started | Duration |
|---------------------------|------------------------------------------------------------------------------------------------------------|------------|----------------|-------------|
| master MAIN BRANCH | Merged in change-clock-color (pull request #1) Change clock color an... Joshua Tjhin ⚡ bced4cd ↗ master | Successful | 6 minutes ago | 45 sec |
| update-readme-with-cmnds | Fixed clock test Joshua Tjhin ⚡ dfb1fac ↗ change-clock-color | Successful | 10 minutes ago | 1 min 0 sec |
| readme-with-test-command | Change clock color and added day of week Joshua Tjhin ⚡ c075278 ↗ change-clock-color | Failed | 15 minutes ago | 46 sec |
| | Added bitbucket-pipelines.yml Joshua Tjhin ⚡ b4fefdb ↗ change-clock-color | Successful | 30 minutes ago | 47 sec |
| | Added bitbucket-pipelines.yml Joshua Tjhin ⚡ b4fefdb ↗ master | Successful | 42 minutes ago | 39 sec |

Integrations





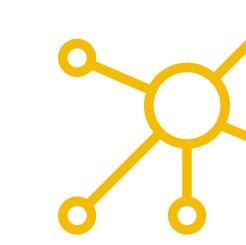
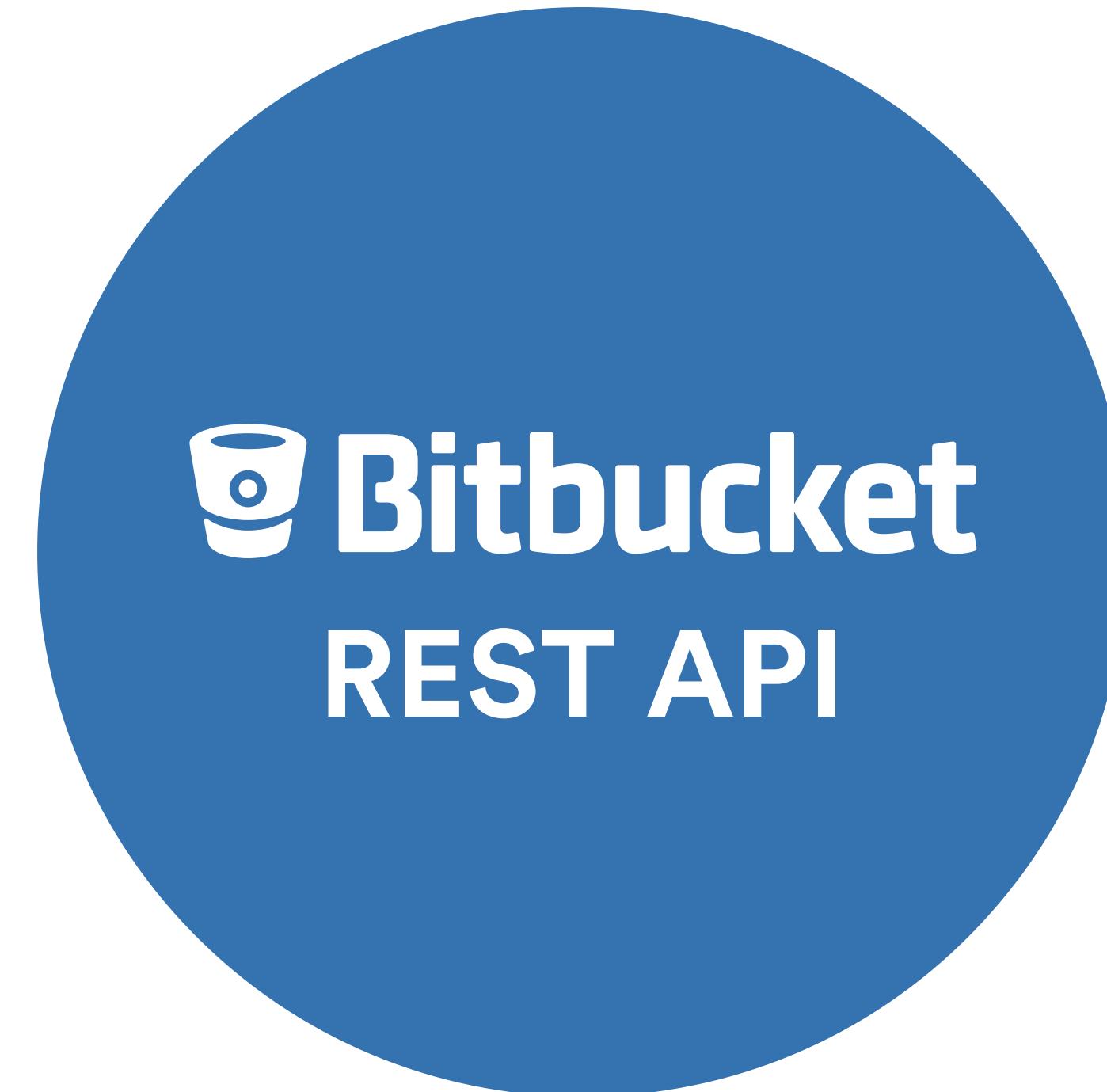
SRC:CLR

Partner Integrations



Bitbucket Pipelines REST API





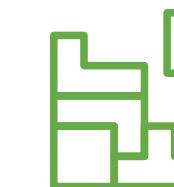
Pipelines endpoints

Available endpoints include: query pipelines, stop and start pipelines, manage variables, ...



Bitbucket authenticated

Use any of the existing authentication options that Bitbucket supports.



Integrate your Connect add-on

Connect scopes have been added so Connect add-ons can integrate with Pipelines.

