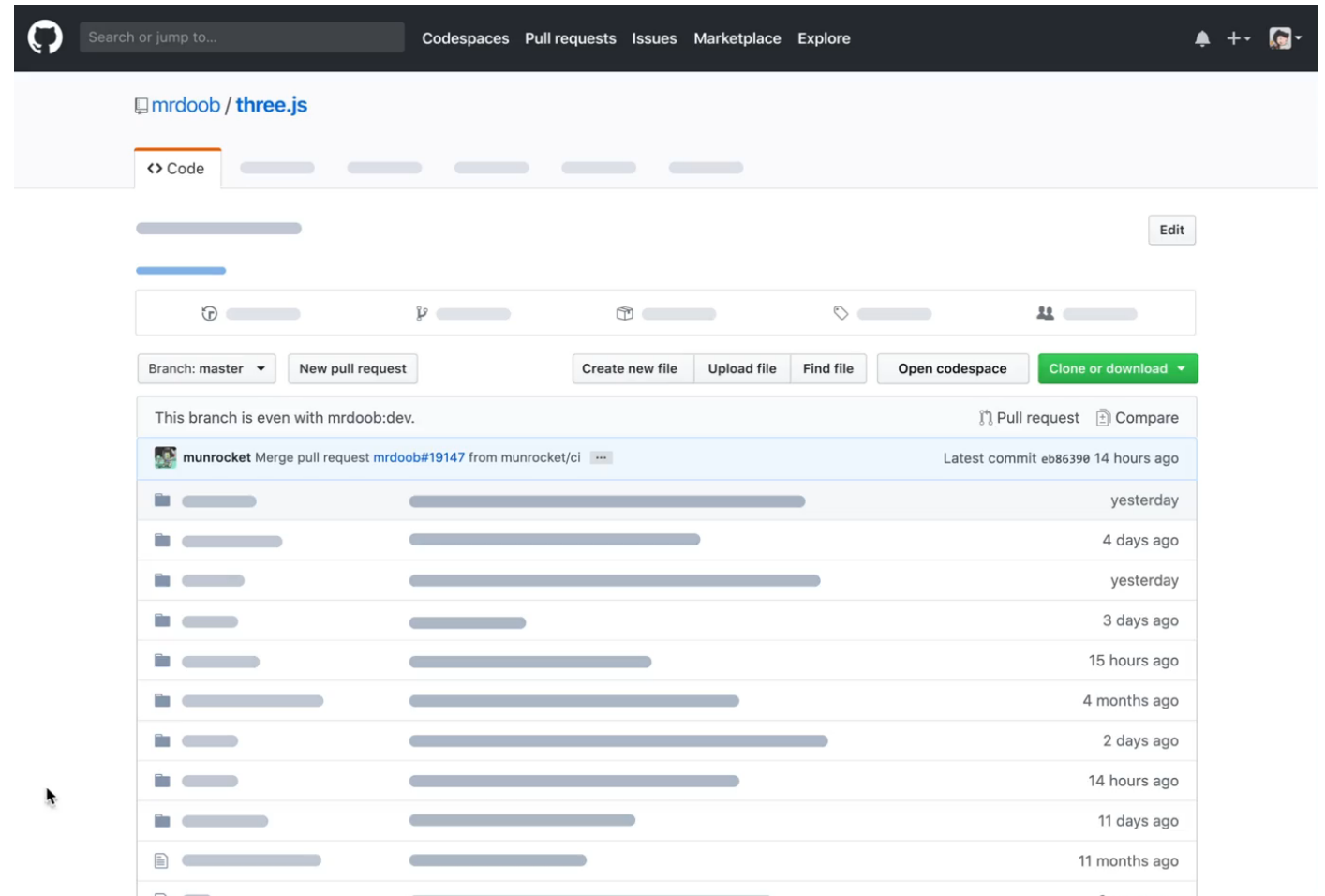


Getting started on using GitHub Codespaces with your SharePoint Framework solutions

What is Github Codespaces

- Ready to use development environment
- Accessible from anywhere
- You can develop from your cell phone!
- You can develop from iPad!
- Develop from your Chromebook!
- Reduced configuration time
- Don't keep sources local



What you can do with Codespaces

- Every developer can create their own Codespaces
- No one can access your Codespaces
- Each Codespaces is associated with a project or branch
- You can work directly online
- You can connect to Codespaces with Visual Studio Code
- You can connect to Codespaces with Visual Studio 2019/2022 (Preview)
- You can configure your container as you want

Limits during beta

- Recommended for use on Chromium-based browsers such as Chrome, Edge, Opera.
- Only one type of codespace is available at the moment
- Only Linux containers are supported
- Only three codespaces per user





Okay, but how much does it cost?

- During the beta is completely free
- Afterwards you will pay for space and computing time

Product	SKU	Unit of measure	Price
Codespaces Compute	2 core	1 hour	\$0.18
	4 core	1 hour	\$0.36
	8 core	1 hour	\$0.72
	16 core	1 hour	\$1.44
	32 core	1 hour	\$2.88
Codespaces Storage	Storage	1 GB-month	\$0.07

* if you work 8 hours a day for 20 days = \$14






DEMO

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

mrdoob / three.js


<> Code

Edit

Branch: master New pull request Create new file Upload file Find file Open codespace Clone or download

This branch is even with mrdoob:dev. [Pull request](#) [Compare](#)

 munrocket Merge pull request [mrdoob#19147](#) from munrocket/ci ... Latest commit eb86390 14 hours ago

Folder		yesterday
Folder		4 days ago
Folder		yesterday
Folder		3 days ago
Folder		15 hours ago
Folder		4 months ago
Folder		2 days ago
Folder		14 hours ago
Folder		11 days ago
File		11 months ago
File		2 years ago

Configuring Codespaces

- By default, a container with this frameworks/libraries is created:
Python, Node.js, JavaScript, TypeScript, C++, Java, C#, F#, .NET Core, PHP, PowerShell, Go, Ruby, Rust
- You can configure your own container with a `.devcontainer.json` file

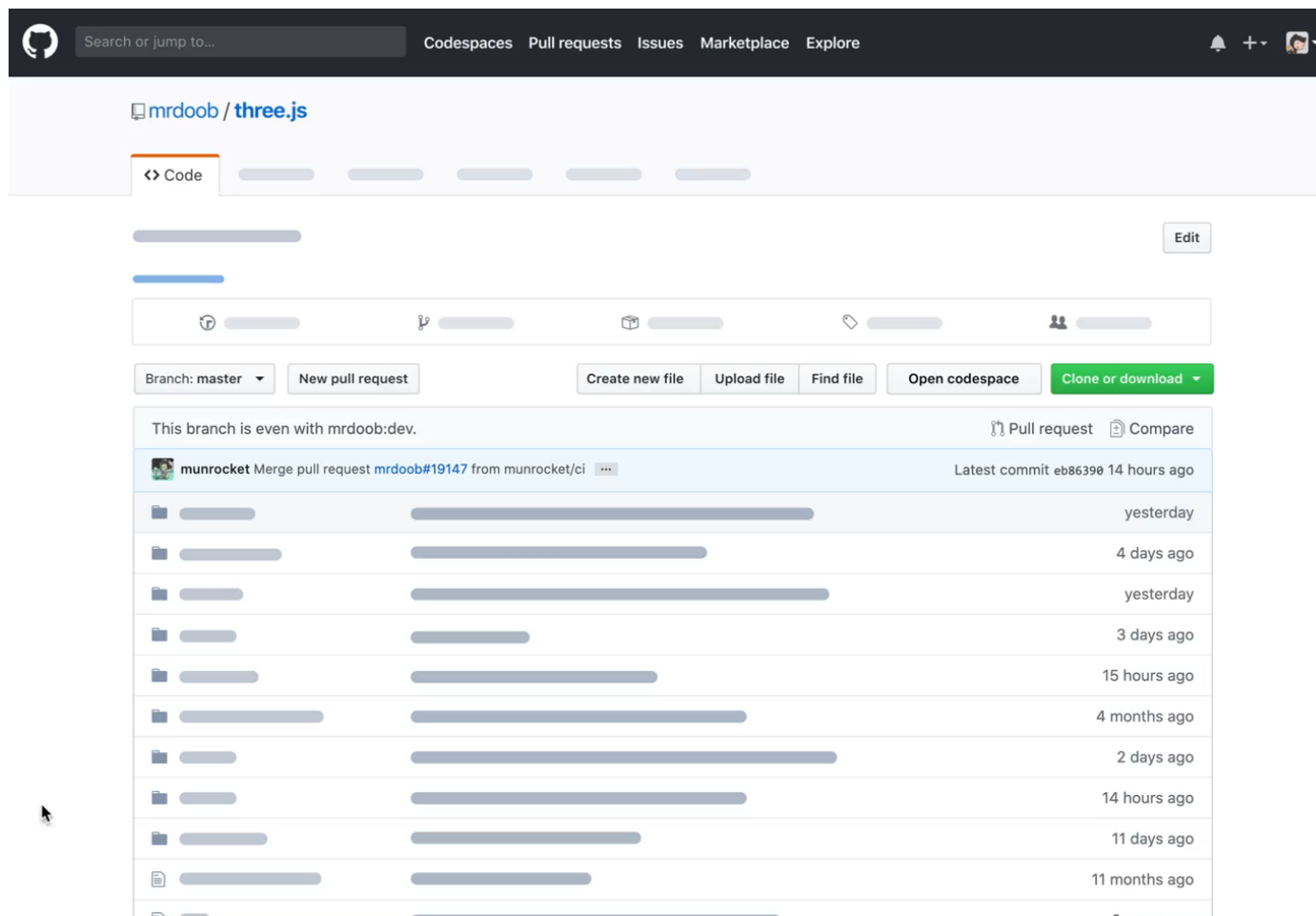
General settings

- `name`
- `settings`
- `extensions`
- `forwardPorts`
- `devPort`
- `postCreateCommand`

Docker, Dockerfile, or image settings

- `image`
- `dockerFile`
- `context`
- `containerEnv`
- `remoteEnv`
- `containerUser`
- `remoteUser`
- `updateRemoteUserUID`
- `mounts`
- `workspaceMount`
- `workspaceFolder`
- `runArgs`
- `overrideCommand`
- `shutdownAction`
- `dockerComposeFile`

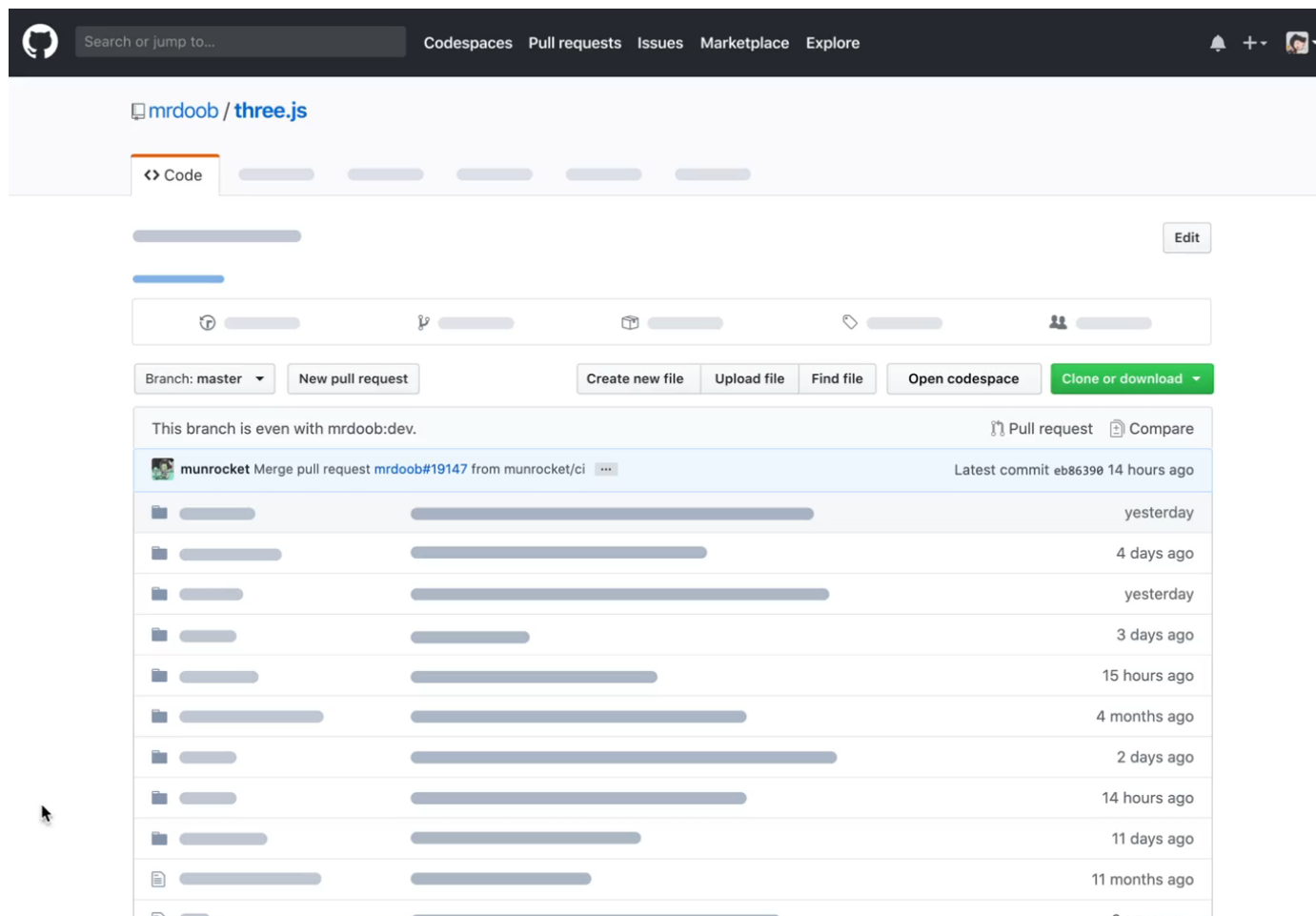
DEMO



SPFx GitHub Codespaces Container



DEMO



References

- <https://github.com/features/codespaces>
- <https://docs.github.com/en/free-pro-team@latest/github/developing-online-with-codespaces/about-codespaces>
- <https://github.com/microsoft/vscode-dev-containers/tree/master/containers/codespaces-linux>
- <https://code.visualstudio.com/docs/remote/devcontainerjson-reference>
- <https://github.com/microsoft/vscode-dev-containers>
- <https://github.com/features/codespaces/signup>
- <https://github.com/kasuken/SPFxGitHubDevContainer>



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