AWS re:Invent

MOB406-R

Expanding the AWS Amplify CLI: Adding custom features

Sam Patzer

Mobile Solutions Architect

Amazon Web Services

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Agenda

AWS Amplify CLI plugin changes

Making your first plugin

Creating advanced plugins

Existing plugins to look over

Amplify CLI plugin changes

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Amplify CLI plugin changes

- Moved away from Gluegun
- New event platform to support category events including:
  - Pre-init
  - Post-init
  - Pre-push
  - Post-push
- Brand new plugin templates

New folder structure

```
my-amplify-plugin/
        - amplify-plugin.json
        - commands/
        - event-handlers/
        - index.js
        - package.json
```

Making your first plugin

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Time to get started

amplify plugin init

```
amplify plugin init

? What should be the name of the plugin:
? Specify the plugin type:
? What Amplify CLI events do you want the plugin to handle?
```

Code time!

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Advanced plugins

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Advanced plugins

- What other plugins can you make:
  - Frontend
  - Utils
  - Providers

Provider plugins

- Why is this so important?
  - Bring your own providers to Amplify!
  - Support for Terraform can be added
  - Support internal build processes
- How do you get started with adding your own provider?
  - Right now all of the existing categories only support AWS CloudFormation but support adding new providers!
  - Folder structure is everything, and build for the future!

Existing plugins

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Existing plugins

- Amplify video
  - https://github.com/awslabs/amplify-video
- Amplify templates
  - https://github.com/wizage/amplify-category-template
- Amplify docs
  - https://github.com/wizage/amplify-category-docs
- Amplify mobilehub migrator
  - https://github.com/awslabs/amplify-mobilehub-migrator
- Amplify-provider-terraform (alpha)
  - <url to be created>

Thank you!

Sam Patzer

sampatze@amazon.com

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