

*All references in this presentation to Project Firefly refer to Adobe Developer App Builder*

DEVELOPERS LIVE



## Project Firefly Deep Dive

Duy Nguyen | Software Engineer

Jesse MacFadyen | Sr Computer Scientist



# Who Are We

## Duy Nguyen

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Software Engineer,  
Adobe I/O Extensibility

## Jesse MacFadyen

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Sr Computer Scientist,  
Adobe I/O Extensibility

# Agenda

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Project Firefly Technical Deep Dive

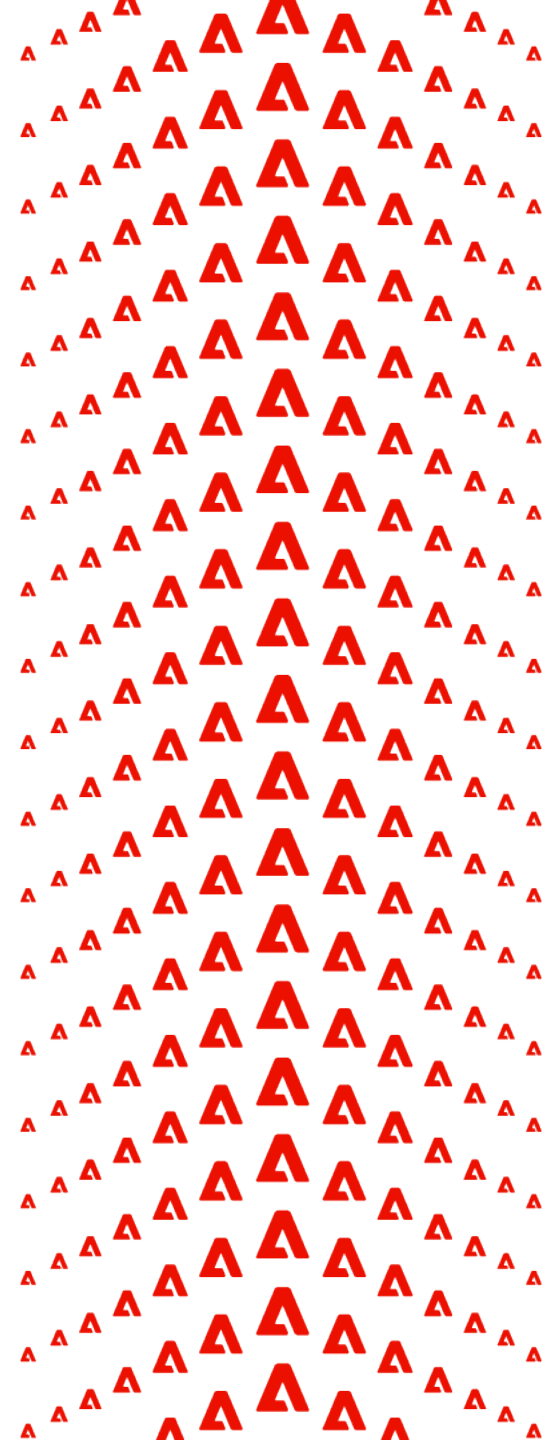
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Use Case – Custom Content Fragments Editor

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Demo – Developer Experience

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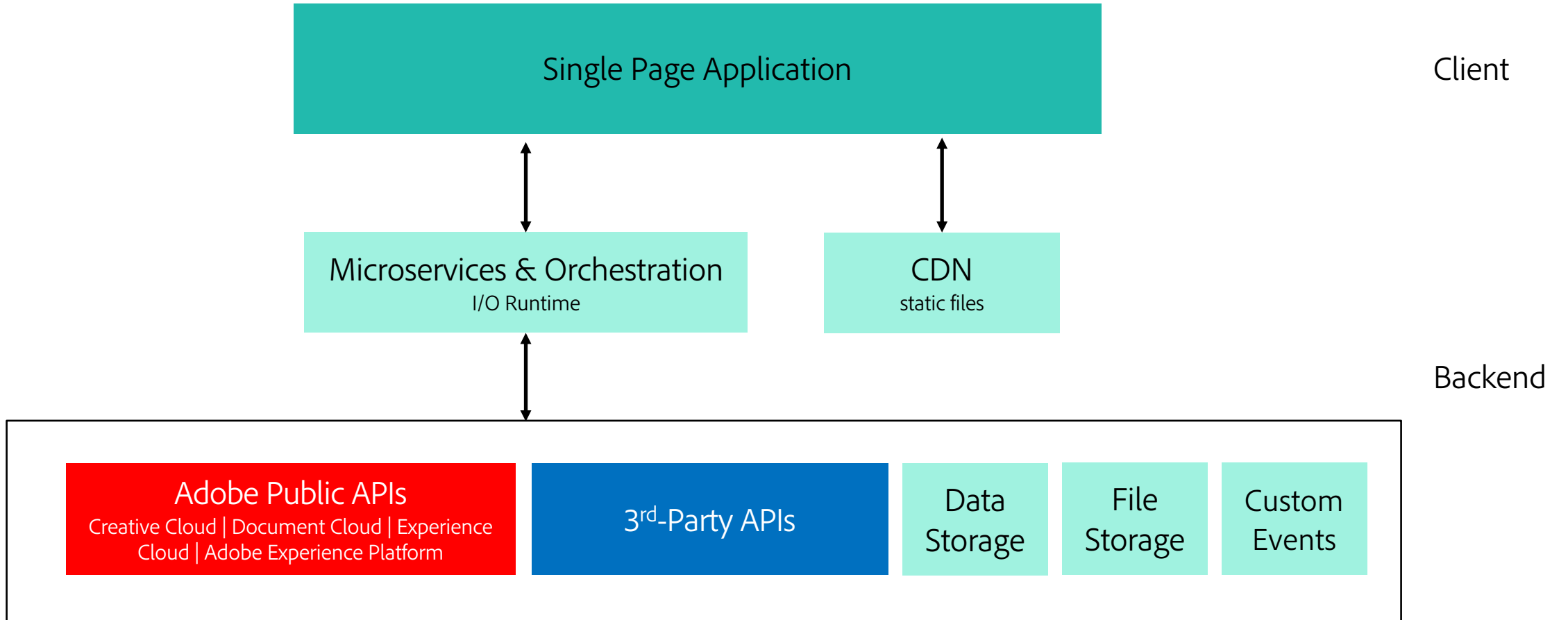
# Project Firefly Deep Dive



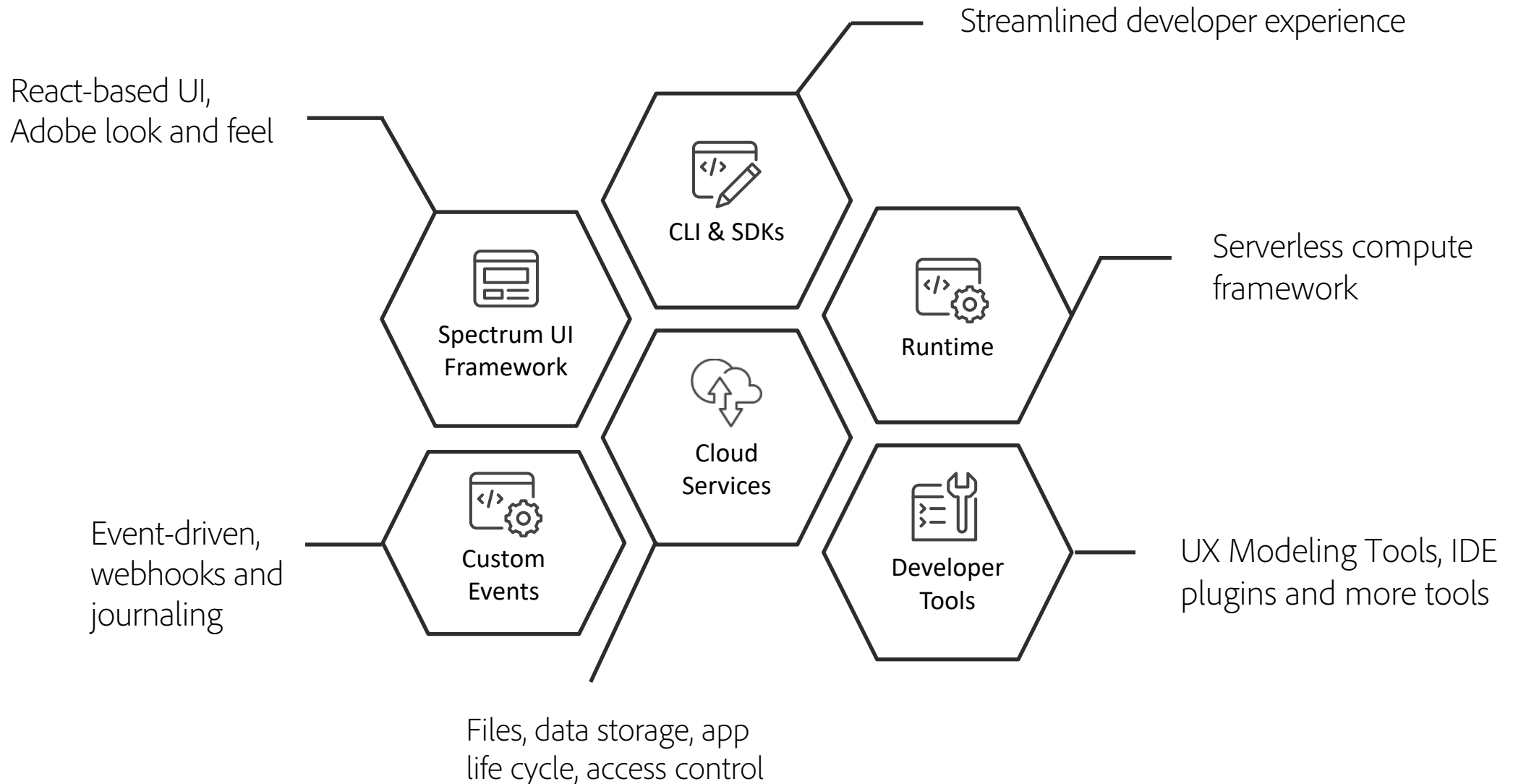
# Project Firefly

*A complete design, application and runtime framework  
for building 3rd-party Cloud Native Applications  
that extend the functionality of Adobe solutions and run on our infrastructure.*

# Project Firefly Application Architecture



# Project Firefly Components



# Project Firefly & Adobe I/O CLI

```
> npm install @adobe/aio-cli
```

## OOTB Plugins

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- Config Plugin
- Auth Plugin
- Info Plugin
- Console Plugin
- Certificate Plugin

## Firefly Plugins

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- App Plugin
- Runtime Plugin

## Community Plugins

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- IMS Plugin
- PhoneGap Build Plugin
- Target Plugin
- **AEM Repo Plugin**
- **Cloud Manager Plugin**
- Adobe Experience Platform Plugin
- Adobe I/O DevOps Plugin
- More coming...



# Project Firefly SDKs

```
> npm install @adobe/aio-sdk
```

## Core SDK

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Core Functionalities shared by all SDKs.

- Core Config Library
- Core Errors Library
- Core Logger Library
- Core TVM Library
- Core Networking Library

## I/O & Firefly SDK

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SDKs supporting Adobe I/O Functionalities, Adobe I/O CLI and Firefly Applications.

- State Library
- Files Library
- IMS Library
- Adobe I/O Events Library
- Adobe I/O Runtime Library
- Developer Console Library
- Apps Exchange Library

## Experience Cloud SDK

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Wraps Experience Cloud APIs into easy-to-use SDKs.

- Adobe Target Library
- Adobe Analytics Library
- **Adobe Asset Compute Library**
- Adobe Campaign Standard Library
- Adobe Campaign Classic Library
- Adobe Audience Manager Library
- Adobe Customer Profile Library (built by customer)
- Adobe Magento Library (built by Magento team)

# Project Firefly Developer Tools

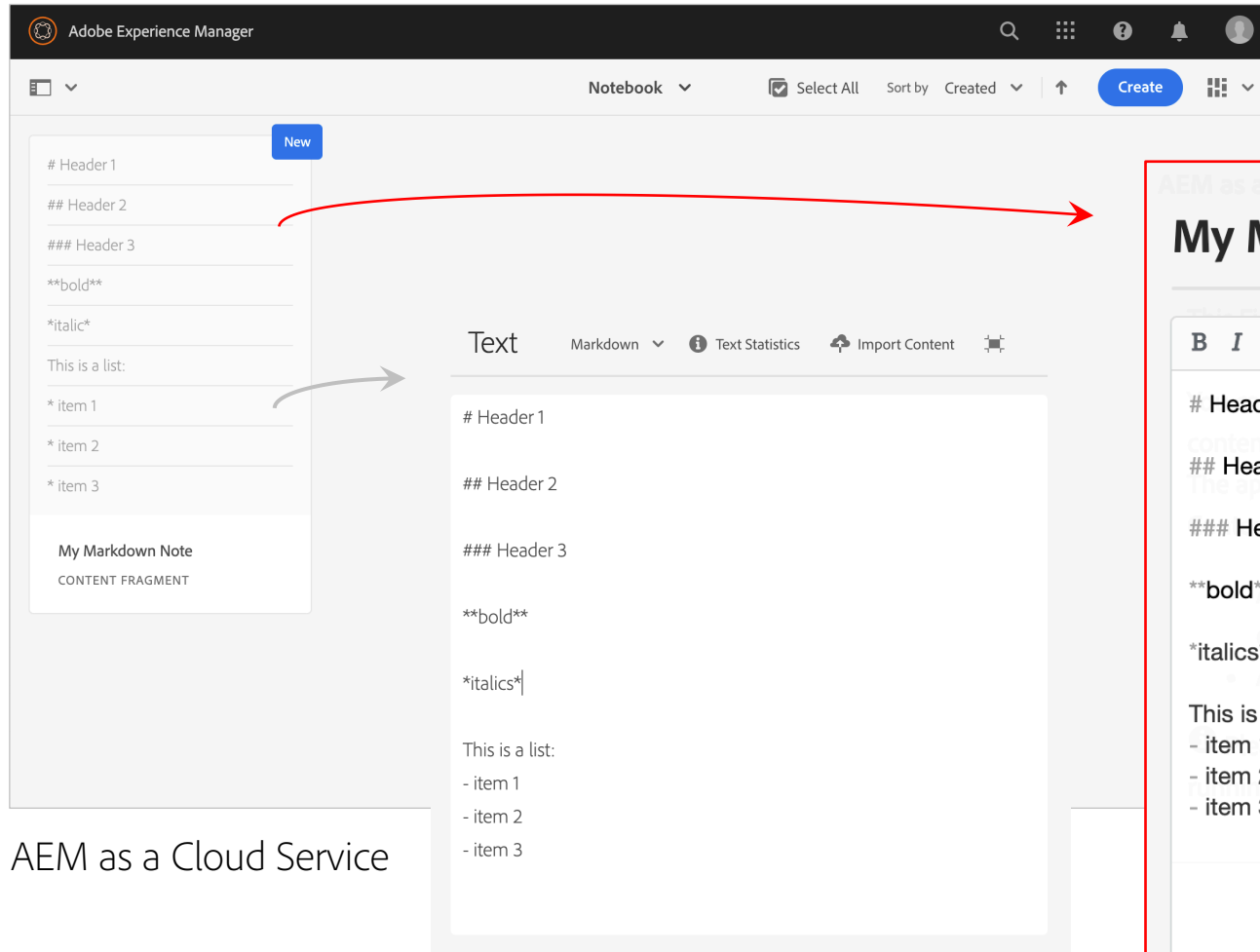
- **wskdebug** as built-in debugger
- **GitHub Actions** for CI/CD
- **VS Code** Extension

# Use Case

## Custom Editor for Content Fragments



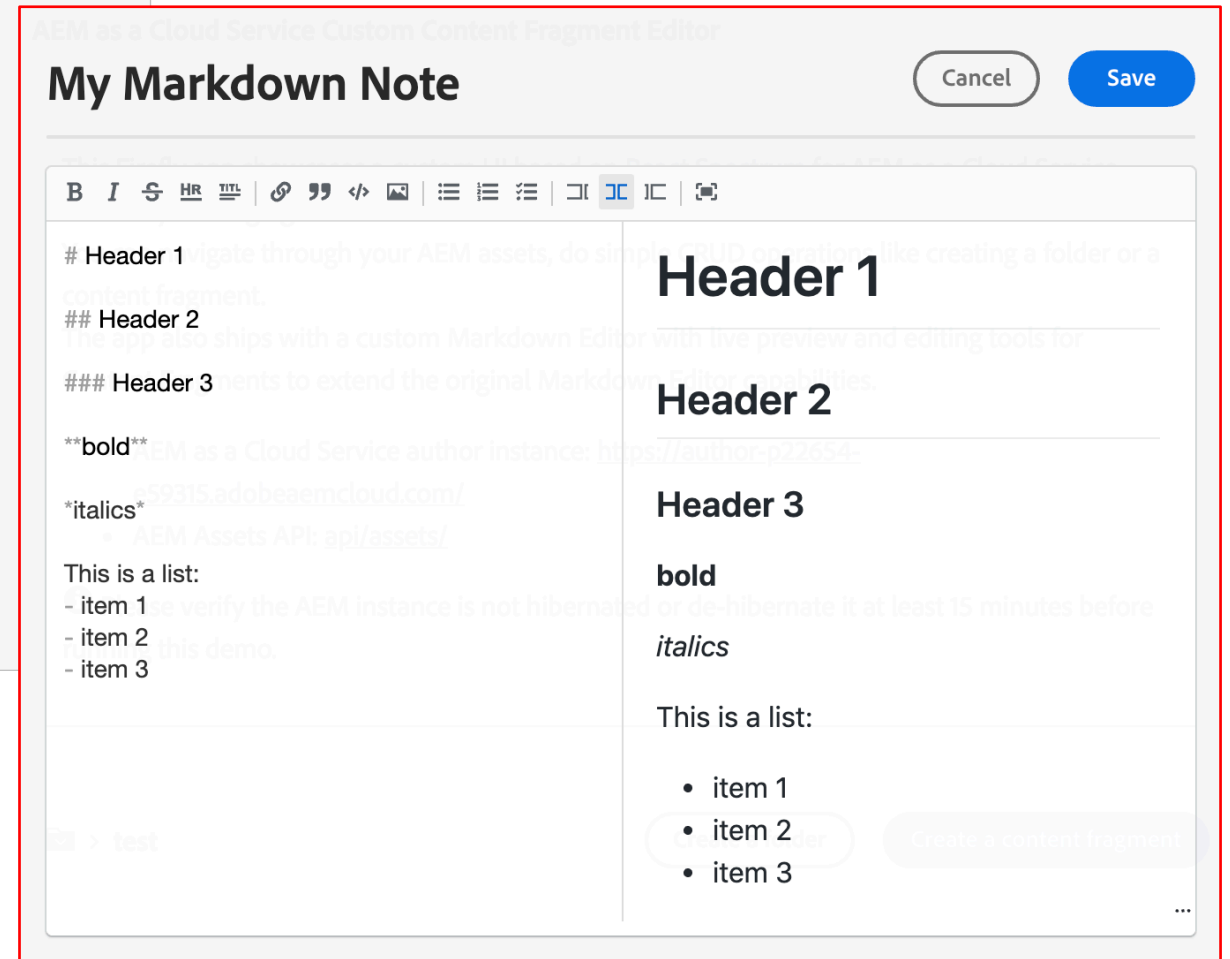
# Use Case Custom Content Fragments Editor



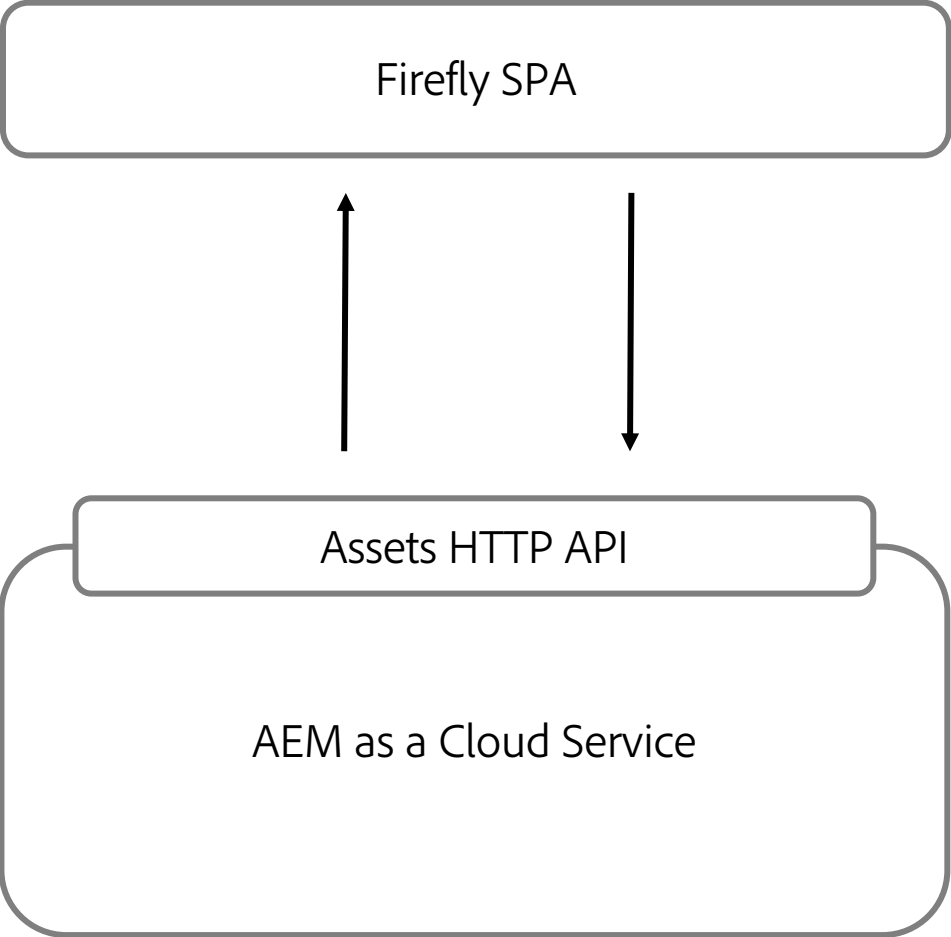
AEM as a Cloud Service

Default Editor

Editor with Preview



# Firefly App Custom Content Fragments Editor



# Why Project Firefly?

- Node.js
- No pre-requisite of AEM knowledge
- Development in no time!

# Demo Dev Experience



# Q&As





# What's Next



# What's Next

## Try out Project Firefly!



Sign up for Developer Preview

<https://adobeio.typeform.com/to/obqgRm>



Documentation and Resources

<https://adobe.ly/projectfirefly>

## Learn more



More Sessions during Developers Live:

Feb 9 11:45AM–12:15PM PT | Asset Compute Service Extensibility



Monthly Webinar hosted by Firefly team

Feb 18 9:00AM - 10:00AM PT

<https://www.adobe.io/apis/experienceplatform/project-firefly/events.html>

