Implémentez une intégration avec AEM presque sans code

Experience League Launch Oct 2019
https://www.adobe.com/fr/events/experience-league.html

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avec

Adobe I/O

a single destination for developers to integrate with
and to extend Adobe solutions.

Adobe I/O APIs & SDKs documentation

https://www.adobe.io/apis.html

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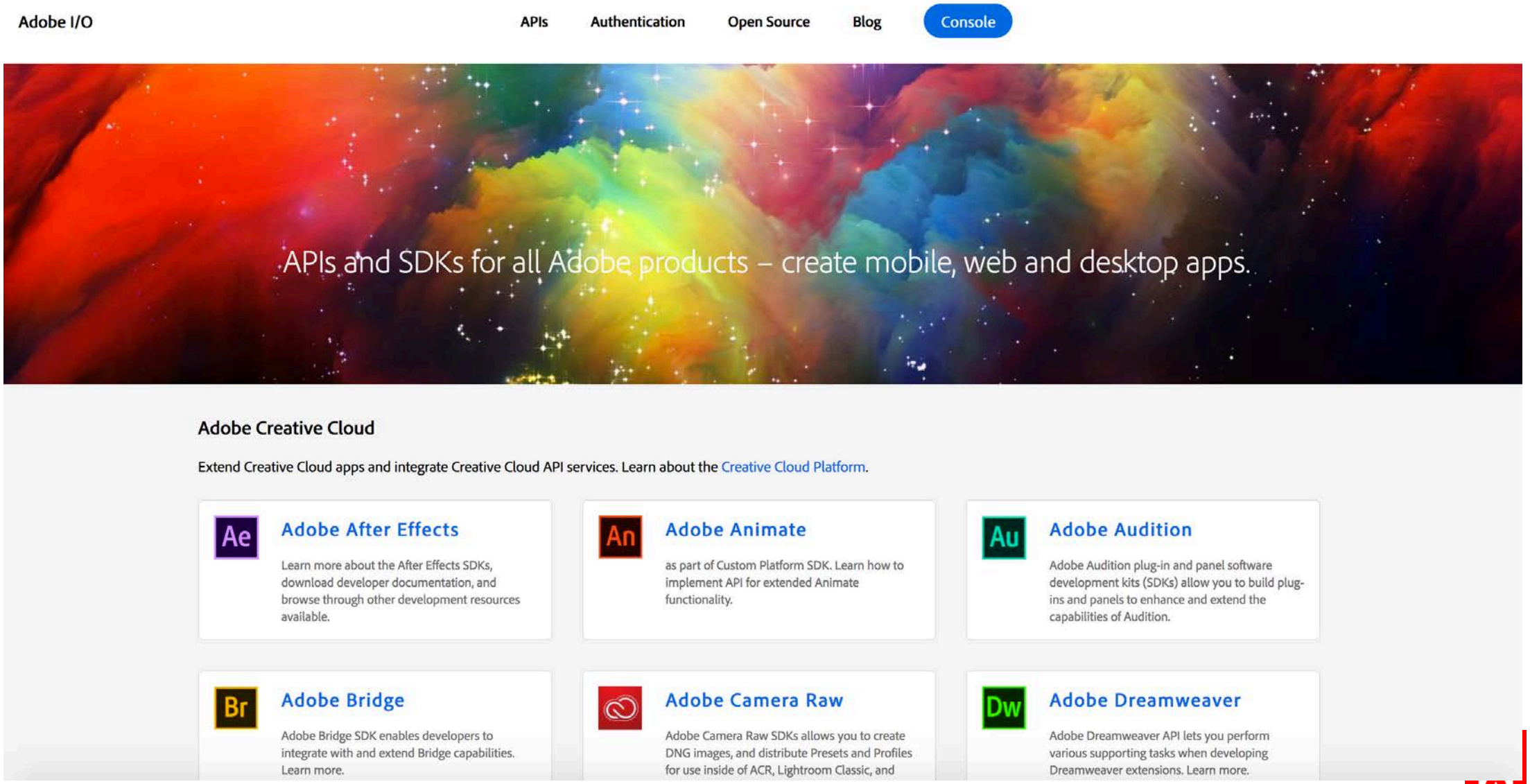
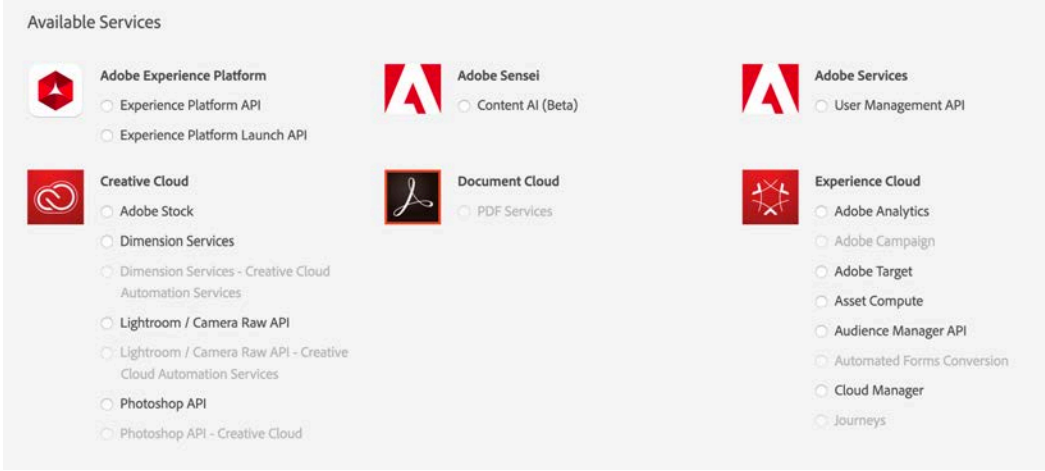


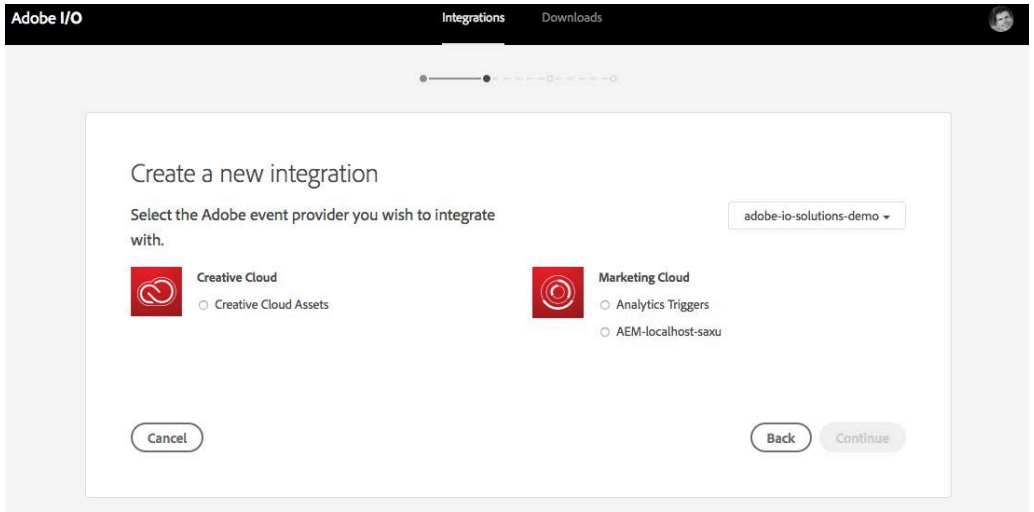
Adobe I/O Console

https://console.adobe.io/home

Adobe I/O Console – Key Features

- API Management Features
  - ~25 services across all three 3 clouds
- Events Management
  - ~12 event providers
  - Debugging and tracing features for working with Events
- Creative Cloud SDK Downloads
  - ~12 Creative Cloud Desktop Apps





Adobe I/O Runtime

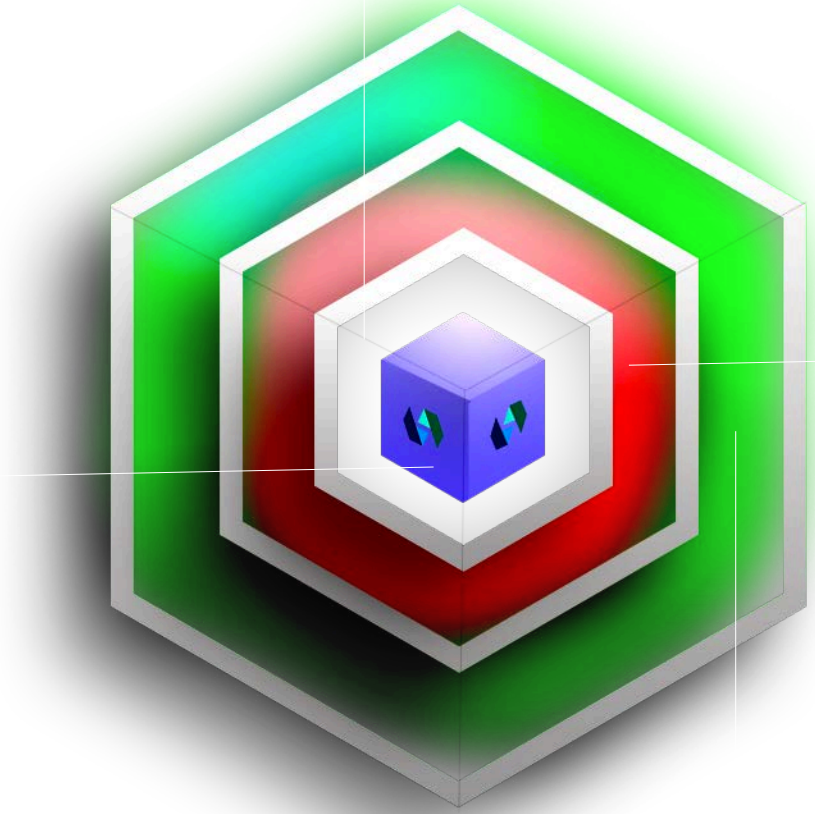
I/O Runtime

Adobe Specific Serverless

Core Foundation
OpenWhisk 1

Deployed on
Adobe-specific infrastructure 2

Multi-cloud to be close to content & data anywhere Adobe stores it



Custom Runtime 3
to support Adobe-specific workflows

- Embedded SDKs for accessing Adobe APIs
- Custom languages like JSX or HTL
- Access to Adobe-specific information like IMS variables

Adobe created functions & binaries 4
deployed on Runtime for use by developers

- Authentication functions to help manage authorization workflows.
- Sensei algorithms deployed as functions through Sensei Functions
- AEM Commerce functions for accessing and extending functionality.
- Functions for working with Content and Data Platforms.

Adobe I/O Runtime – Key Features

- Built on top of Apache OpenWhisk
- Developers can deploy code in NodeJs that runs on Adobe-hosted infrastructure
- Actions can be invoked by Adobe I/O Events or by HTTP functions
- Includes customized runtime with Adobe-specific features
  - Embedded SDKs/NPM for easy access to APIs
  - Helper functions for authorization or working with other Adobe services

Adobe I/O Runtime Demo

Adobe I/O Events

Embrace event-driven architecture
allowing developers to programmatically respond to user behavior,
resulting in near real-time customer experiences.

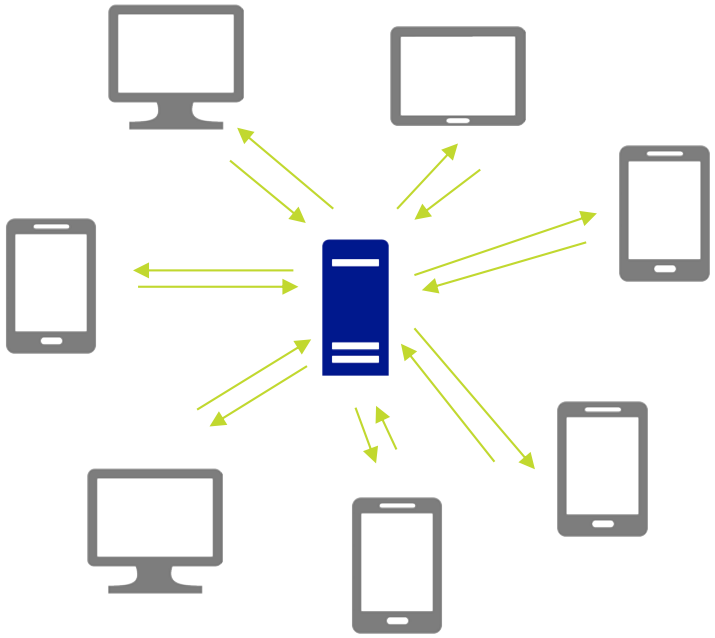
Value of Event-Driven Applications

I/O Events lets developers subscribe and respond to triggered events instead of relying on polling. This makes it easier for applications to scale and results in a more efficient architecture.

REST APIs

Rest APIs

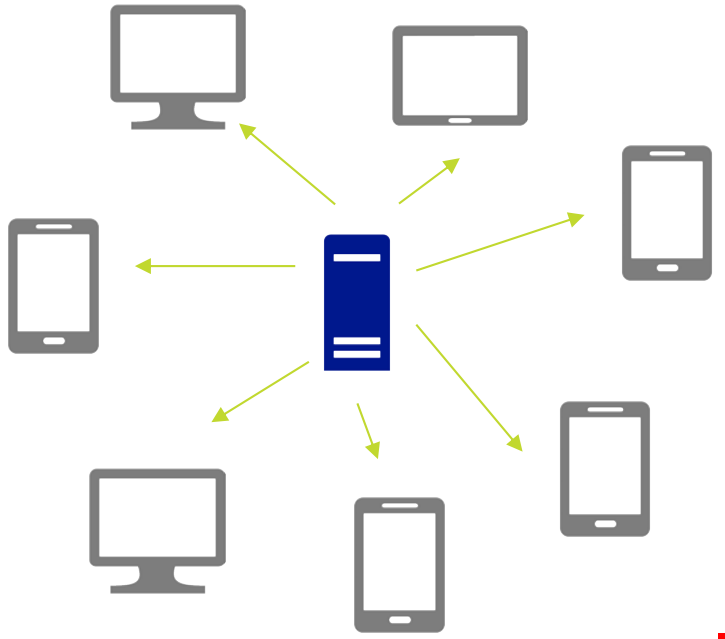
Request/Response Model



I/O Events

Triggered Events and Notifications

Publisher/Subscriber Model



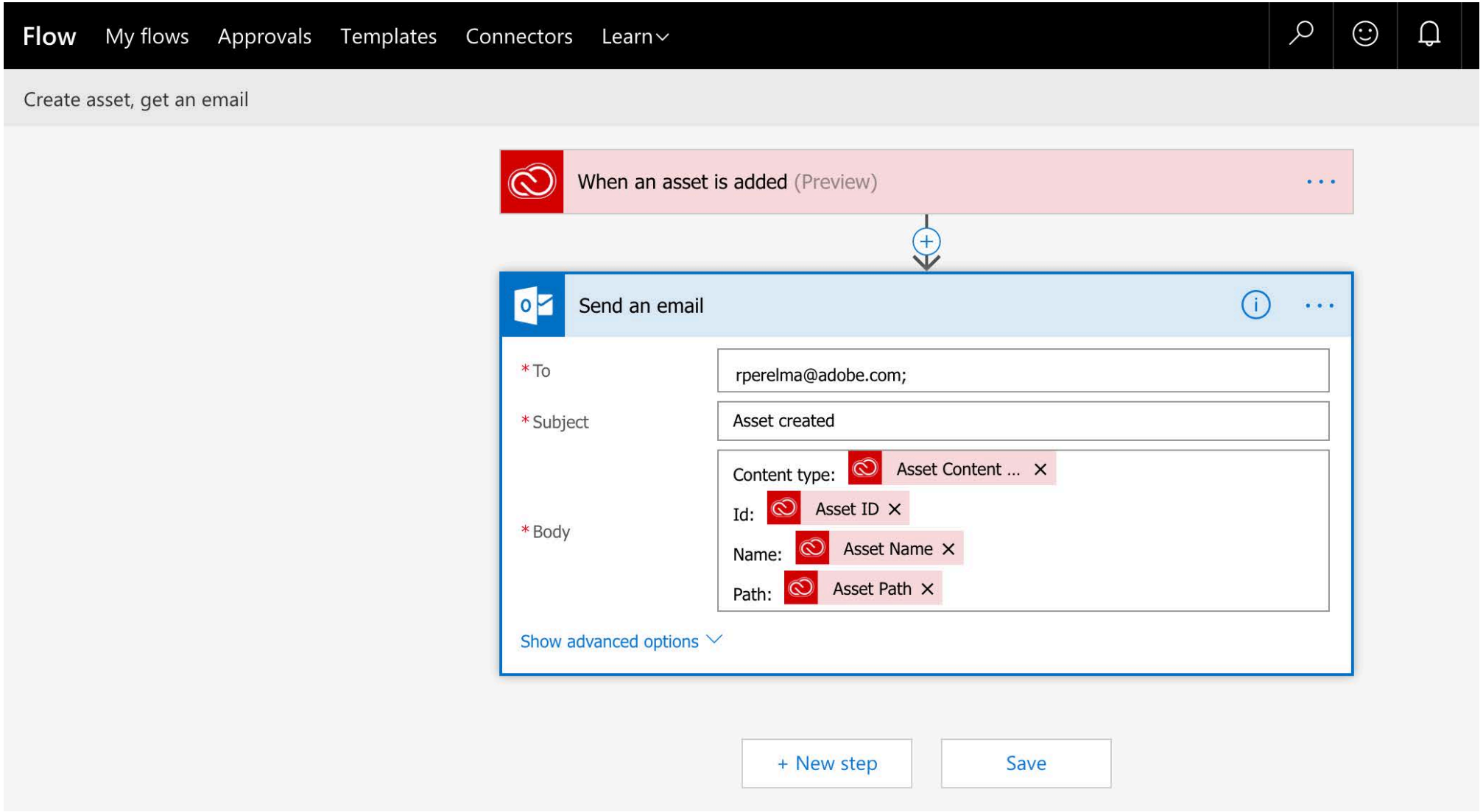
Adobe

Next-Gen Platform – No Code Integrations Driven by I/O Events

MS Flow, Azuqua and More

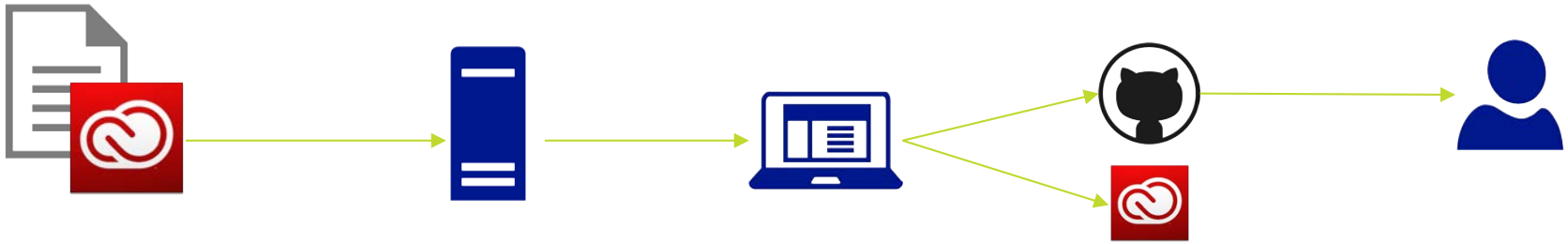
I/O Events exposed
in low-code/no-code integration systems
like Azuqua and Microsoft Flow.

Microsoft Flow Example



Adobe I/O Events – Sample Use Case

Example workflow: A designer and a developer are working on an application where the assets are stored in CC Files and the code is stored in GitHub.



A designer updates a Creative Cloud Asset

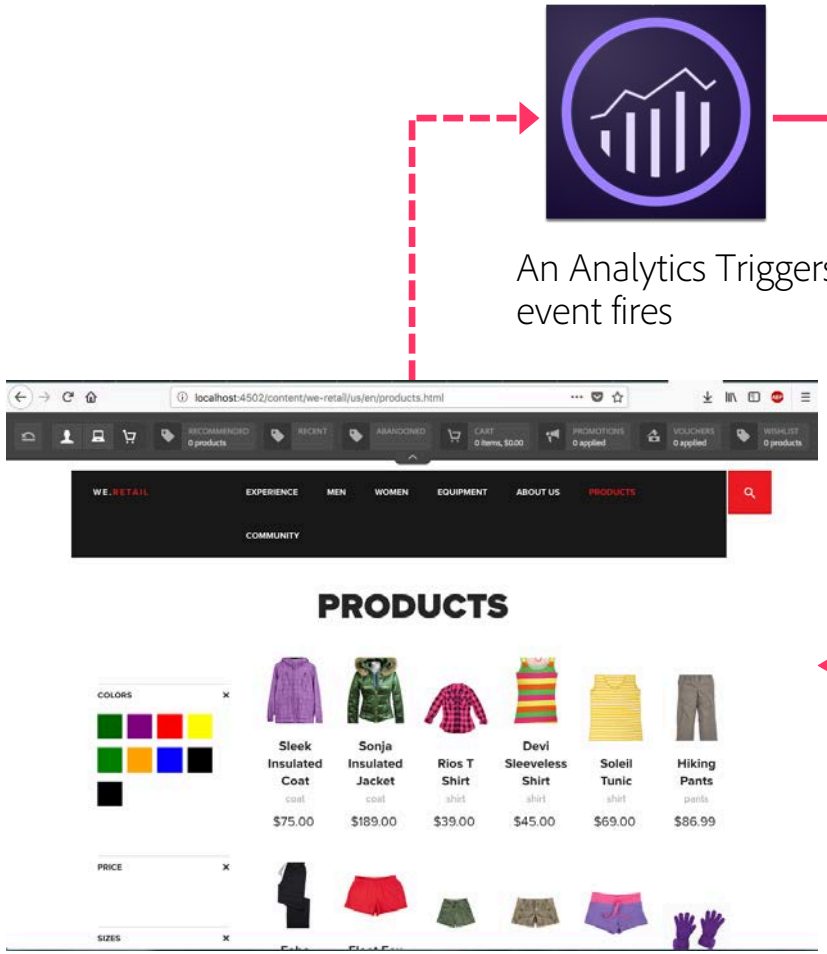
I/O Events sees the change and triggers an event

An application built by the customer is notified of the change

The client's application downloads the new CC asset and creates a GitHub pull request

The developer gets an email about the pull request, checks the asset, then merges it

Adobe I/O Events – Sample Use Case



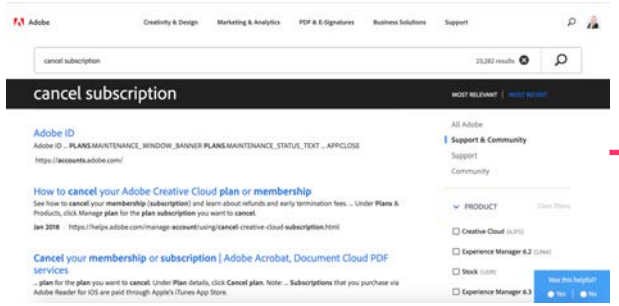
An Analytics Triggers event fires

Adobe I/O

Your feedback loop

Specialized offer for customer on the site

Adobe I/O Events – Sample Use Case



- Customer searches for "cancel subscription"

Adobe I/O

- Analytics Triggers fires
- I/O Events kicks off notification to I/O Runtime
- I/O Runtime calls MS Dynamics
- I/O Runtime calls Audience Manager

- Customer is added to "at risk" segment
- Specialized offer for customer on the site

Microsoft Dynamics 365

- Customer profile is updated with "churn risk"
- Agent is prepared when customer calls in

Other Example Use Cases

- Document Cloud review complete -> Prompt stakeholders to sign off via Adobe Sign
- AEM asset updated -> Republish content with updated asset
- CC library created -> Copy CC library assets to a custom asset manager
- Cart abandonment on AEM website (via Adobe Analytics trigger) -> Give customer a personalized offer
- Comment added to an Adobe XD prototype -> Notify designers on the team using Slack
- Experience Cloud profile updated -> Sync a connected CRM (e.g. Dynamics 365)

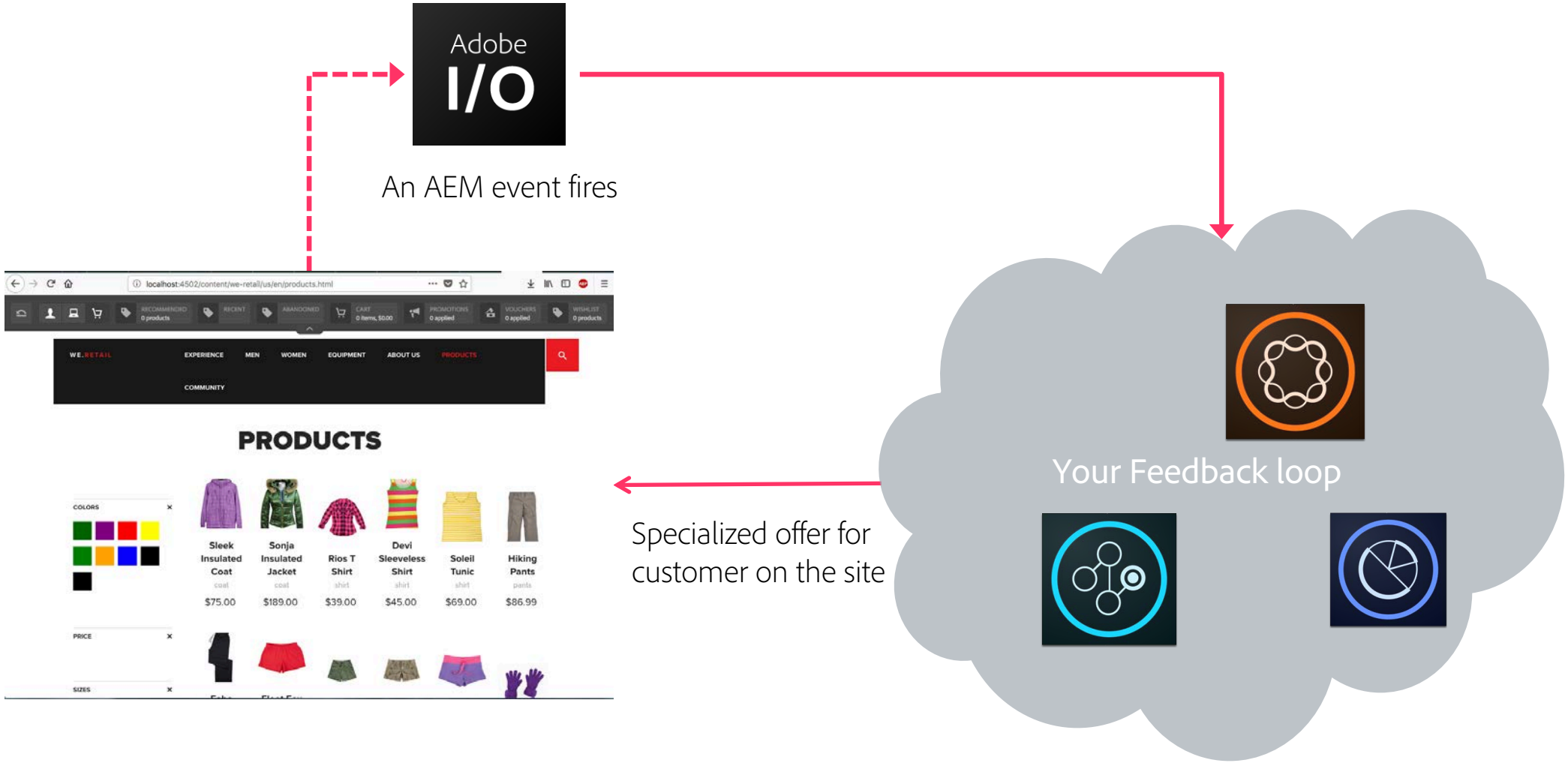
Adobe I/O AEM Events

- AEM assets events (create, update, delete)
- AEM pages events (publish, unpublish)
- Any OSGI event can be turned into an Adobe I/O event

Adobe I/O Demo

- A new asset added to AEM DAM
- AEM Event fires
- *Adobe I/O Events* invokes an *Adobe I/O Runtime* action
- *Adobe I/O Runtime* action reads the event payload and sends a message to Slack
- Notification shows up on Slack for new asset

Adobe I/O Events – Sample Use Case



Adobe I/O Events Blog Posts:

- Using Splunk to Monitor, Aggregate, and Analyze Adobe I/O Events
https://medium.com/adobetech/using-splunk-to-monitor-aggregate-and-analyze-adobe-i-o-events-f5c5798d109

- Stopping Shopping Cart Abandonment: Adobe I/O Events and Adobe Analytics Triggers in Action
https://medium.com/adobetech/stopping-shopping-cart-abandonment-adobe-i-o-events-and-adobe-analytics-triggers-in-action-a908d8671574

- Turning Shopping Cart Abandonment into A Golden Marketing Opportunity
https://medium.com/adobetech/turning-shopping-cart-abandonment-into-a-golden-marketing-opportunity-a3926f025b98

- Monitoring AEM Asset Updates with Adobe I/O Events
https://medium.com/adobetech/monitoring-aem-asset-updates-with-adobe-i-o-events-9c2a8395880d

- Flow Into The Cloud with Adobe I/O Events & Microsoft Flow
https://medium.com/adobetech/adobe-i-o-events-ms-flow-connector-and-or-flow-into-the-cloud-c79f5af59f32

Q & A

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https://www.adobe.io/

http://adobe.ly/ioevents

http://medium.com/adobe-io/

https://github.com/adobeio

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