



DEVELOPERS LIVE

Server-to-server API authentication with AEM as a Cloud Service

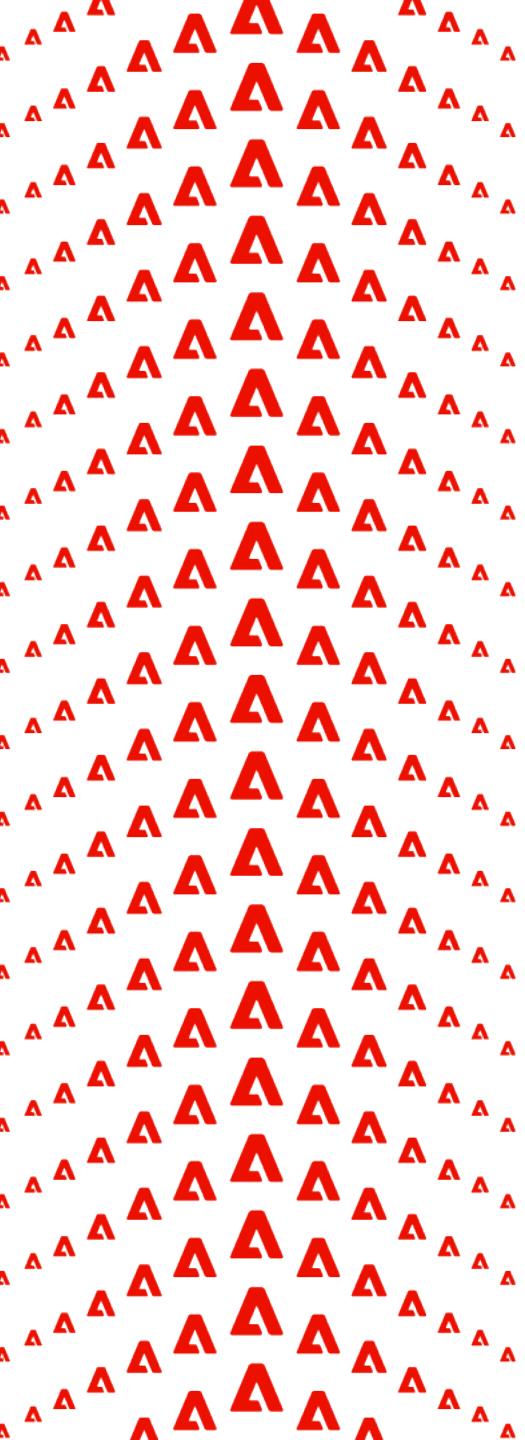
Brian Chaikelson | Principal Product Manager

Timothee Maret | Senior Developer



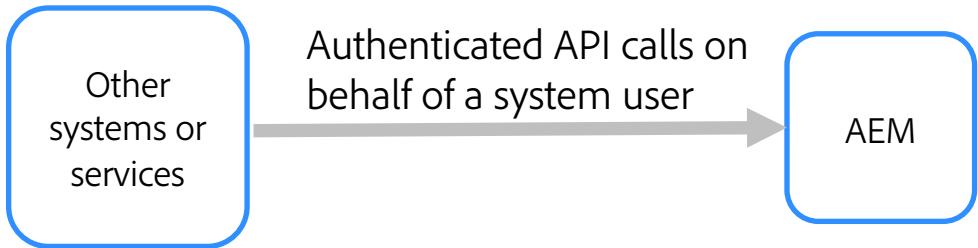
Agenda

Brian Chaikelson	Use case and data flows
Timothee Maret	Demo
Q&A	



Use case

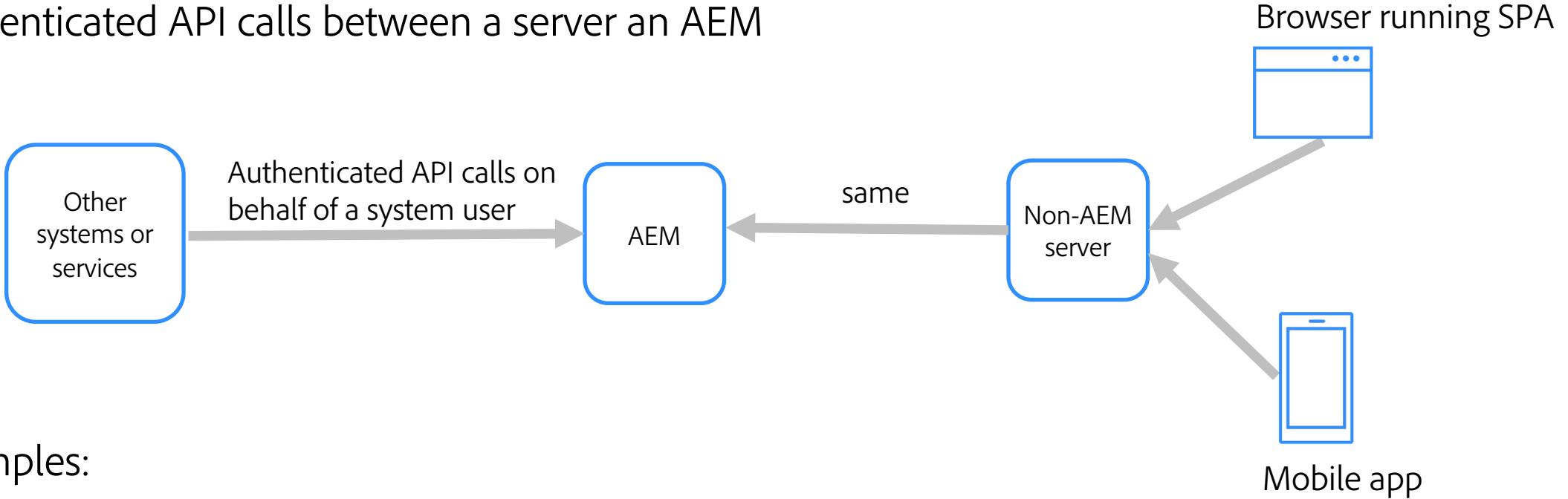
- Authenticated API calls between a server and AEM



- Examples:
 - PIM pushing metadata into AEM
 - Workflow product like Workfront pushing state into AEM

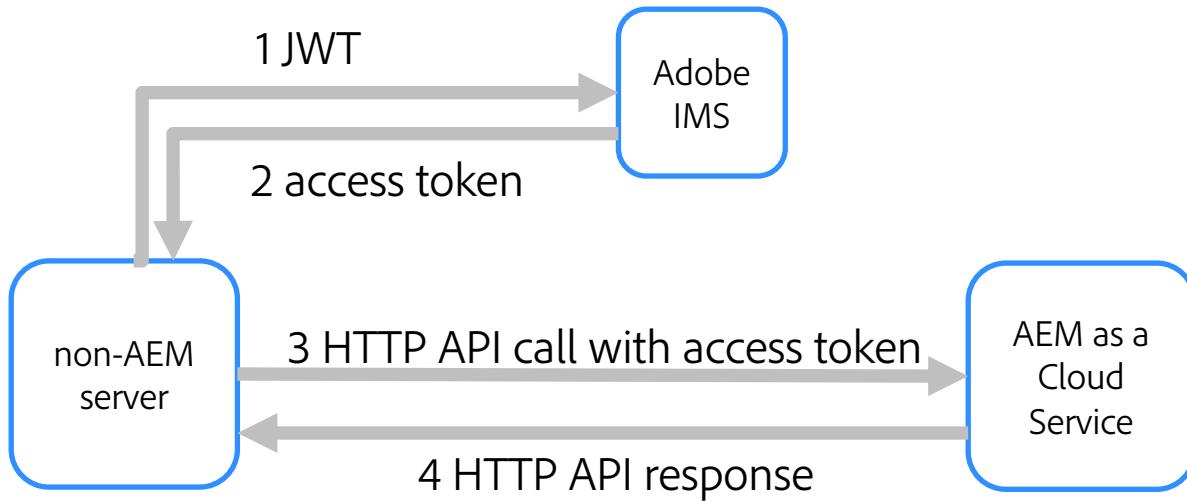
Use case

- Authenticated API calls between a server and AEM

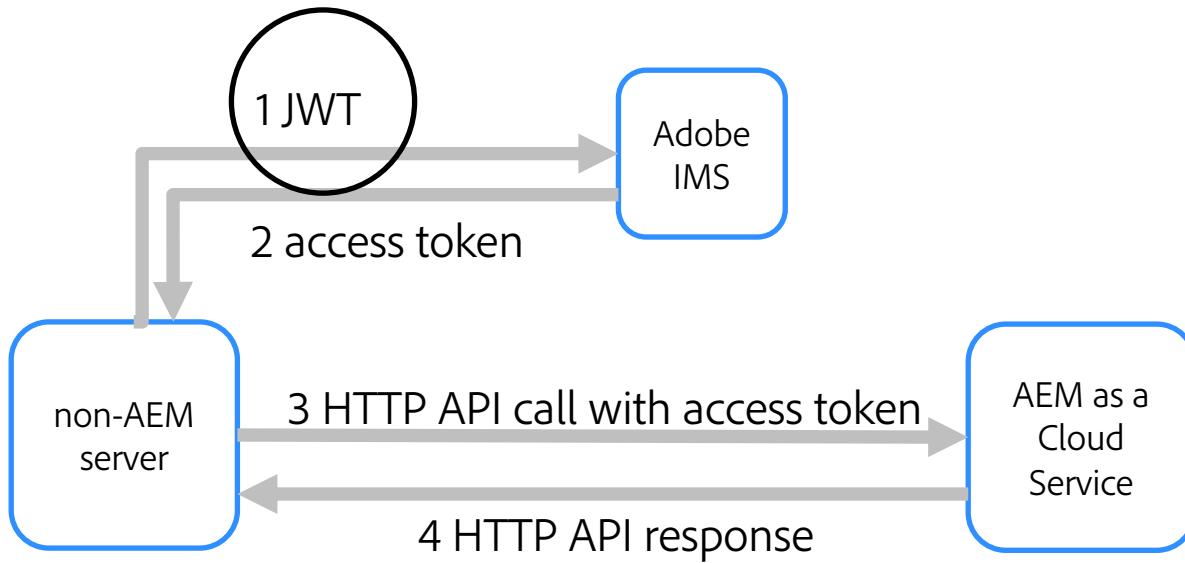


- Examples:
 - PIM pushing metadata into AEM
 - Workflow product like Workfront pushing state into AEM
 - SPAs and mobile apps calling a server making API calls to AEM. Note: on behalf of a single system user

Server-to-Server OAuth flow



Server-to-Server OAuth flow



Generating the JWT Token

- From AEM Developer Console
- IMS org admin downloads service credentials and installs on server as a secret
- Application reads in the credentials and uses it to construct a JWT Token

The screenshot shows the AEM Developer Console interface. At the top right are 'Sign out' and 'Hibernate' buttons. Below them is a status bar with 'Environments > online' and a dropdown for 'Pod'. The main navigation bar includes 'Status', 'Java Packages', 'Servlets', 'Queries', and 'Integrations', with 'Integrations' being the active tab. Two prominent blue buttons are displayed: 'Get Local Development Token' and 'Get Service Credentials'. Below each button is a brief description and a link to 'See documentation'. At the bottom left, there is a link to 'AEM ADMIN LOGIN'.

Developer Console

Environments > online

Pod

Status Java Packages Servlets Queries Integrations

Get Local Development Token

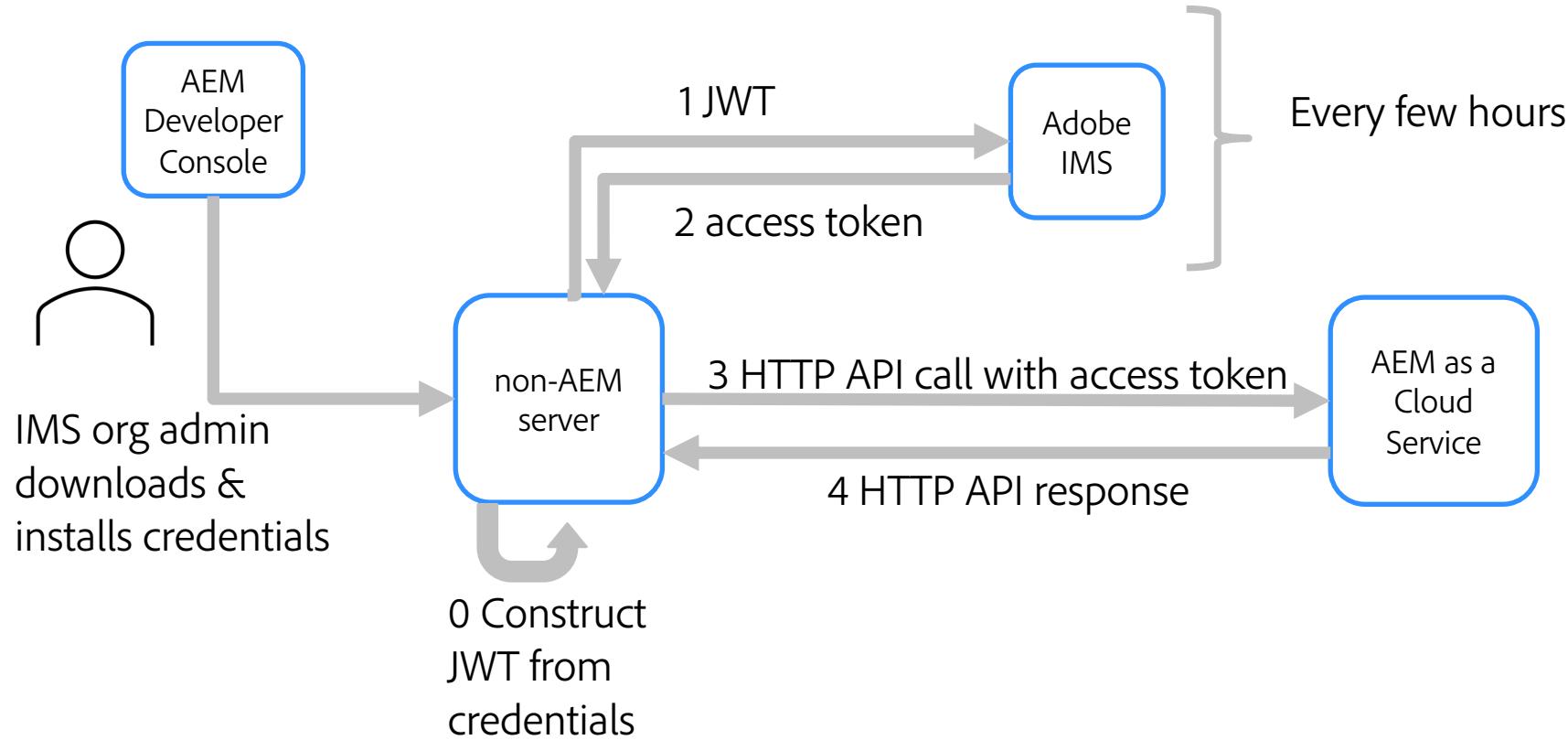
For development purposes, generate a short-lived access token for non-AEM server-side applications to authenticate with an AEM as Cloud Service environment. [See documentation](#)

Get Service Credentials

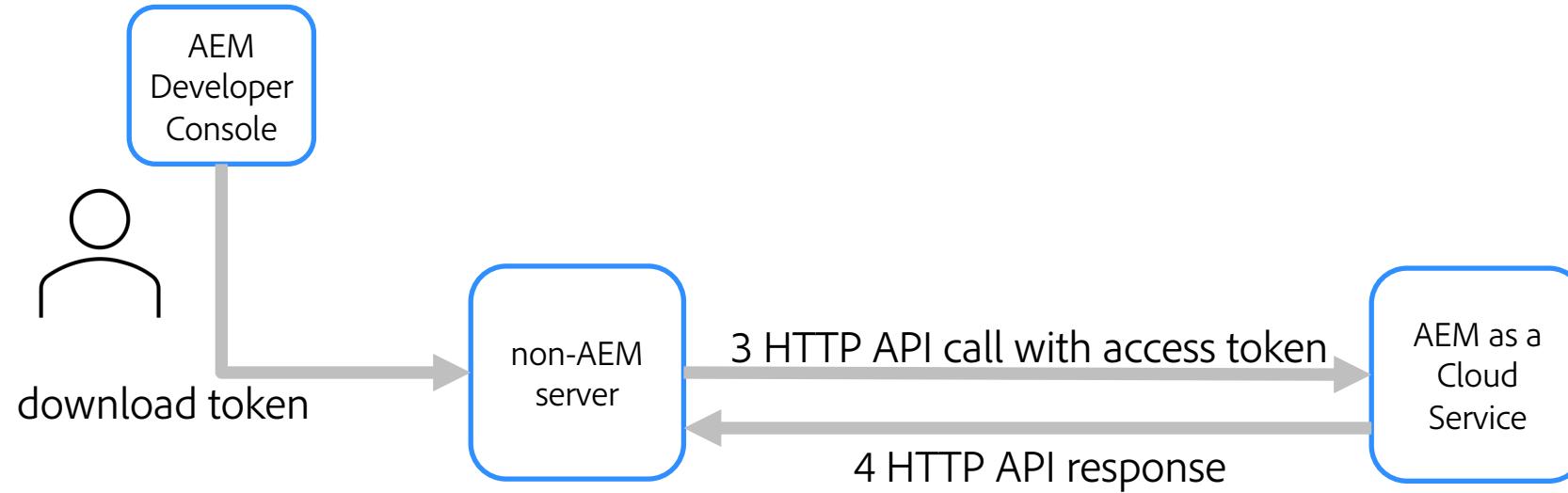
For production purposes, generate a long-lived secret JWT token for non-AEM server-side applications to exchange with Adobe IMS for an access token, which can authenticate with an AEM as Cloud Service environment. [See documentation](#)

AEM ADMIN LOGIN

End to end credentials generation and API call



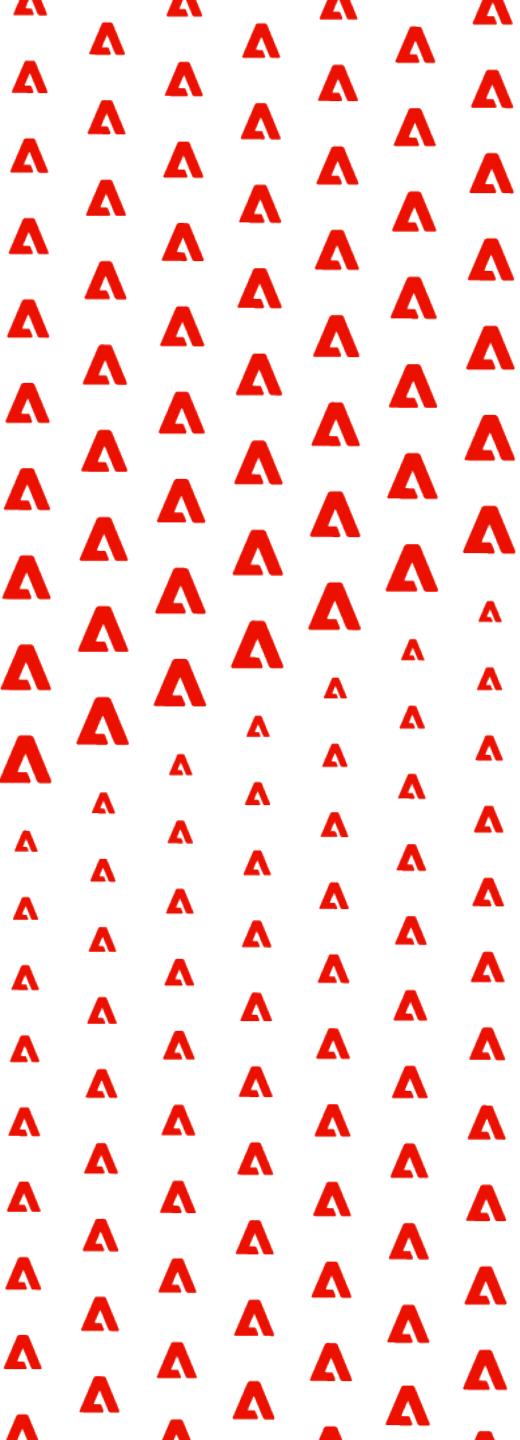
Shortcut during development



Shortcut during development

The screenshot shows the Adobe Developer Console interface. At the top, it says "Developer Console" and "Sign out". Below that, there's a navigation bar with "Environments >" (with a green dot next to "online"), a dropdown menu for "Pod" (set to "dropdown"), and a "Hibernate" button. The main navigation tabs are "Status", "Java Packages", "Servlets", "Queries", and "Integrations", with "Integrations" being the active tab. Under the "Integrations" tab, there are two prominent blue buttons: "Get Local Development Token" and "Get Service Credentials". Below these buttons, there is descriptive text for each: "For development purposes, generate a short-lived access token for non-AEM server-side applications to authenticate with an AEM as Cloud Service environment. [See documentation](#)" for the token, and "For production purposes, generate a long-lived secret JWT token for non-AEM server-side applications to exchange with Adobe IMS for an access token, which can authenticate with an AEM as Cloud Service environment. [See documentation](#)" for service credentials. At the bottom left, there is a link "AEM ADMIN LOGIN".

Demo



Resources and Q&A

- Public documentation: <http://adobe.ly/3aC4ur2>
- Demo code: <https://github.com/tmaret/adobe-developers-live-api-auth-demo>

