



# Effective Security Strategies in Cloud Service

Rami El Gamal | Senior Solution Consultant



Artwork by **Dan Zucco**

## Share in chat:



- Where are you joining us from?
- What are you hoping to learn today?

# Welcome to today's session!



## RAMI EL GAMAL

### Senior Solution Consultant

A little about me...

#### Adobe Experience:

- ❖ 12+ years of experience with the Adobe Stack (AEM, Analytics, Target, Adobe Commerce, etc.)
- ❖ 2022 Adobe Experience Manager Champion
- ❖ AEM Architect, Developer, and Business Practitioner certified
- ❖ Director of RENY Consulting, specialized in AEM implementations and migrations
- ❖ A big Disney and Star Wars fan because .. This is the way!
- ❖ LinkedIn: <https://www.linkedin.com/in/ramielgamal/>

# Agenda

**01**

**Adobe Identity Management System**

**02**

**User Management**

**03**

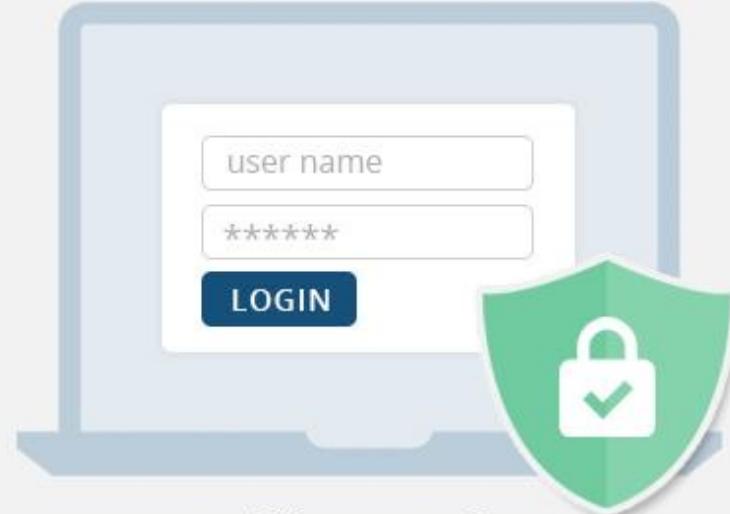
**Adobe Cloud Manager**

# Adobe Identity Management System (IMS)

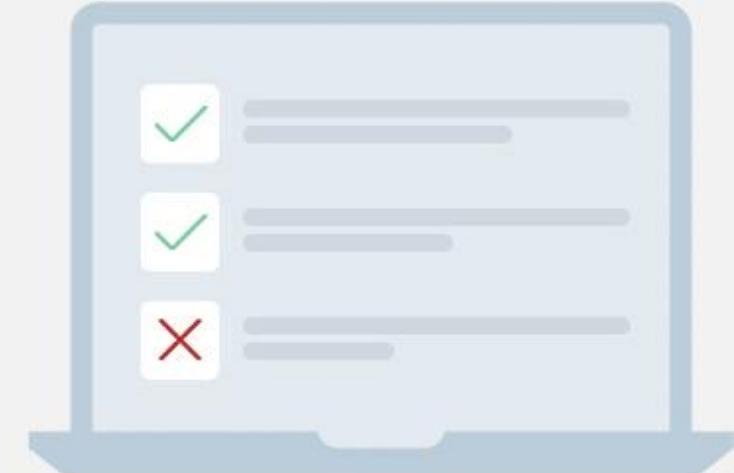
## Authorization VS Authentication



### Authentication

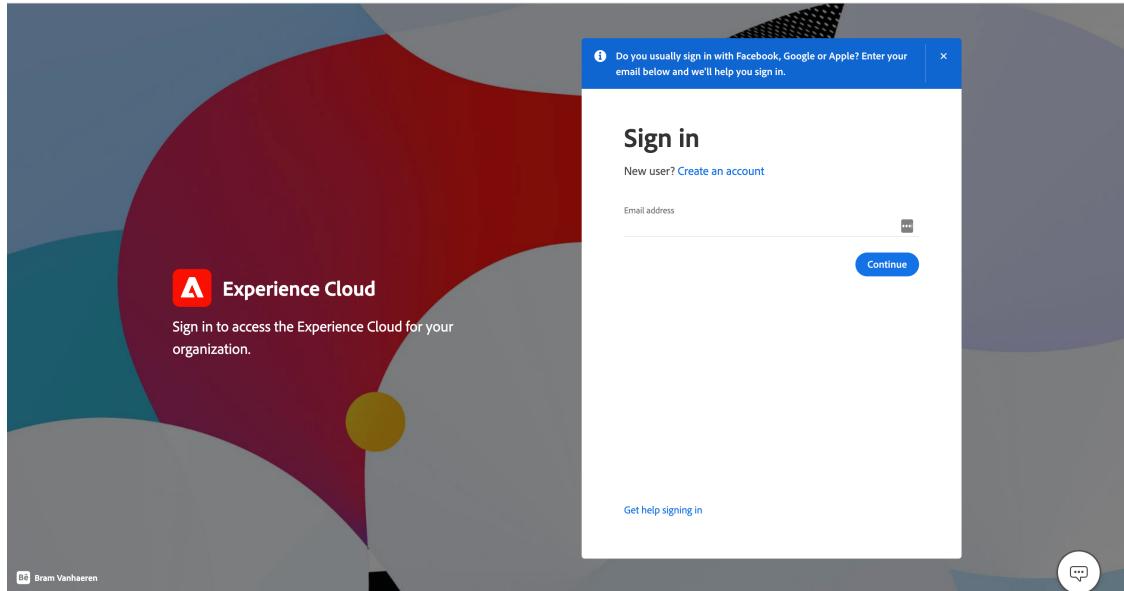


### Authorization



# Adobe Identity Management System (IMS)

## What is IMS?



Authentication

The screenshot shows the Adobe Cloud Manager dashboard. At the top, there's a greeting 'Hello, Rami!' and a summary of recent accomplishments: '2 Code Quality Issues Identified' and '2 Builds Generated'. Below this is a section titled 'My Programs' with a table listing two programs. Both programs are in 'Production' status and marked as 'Ready'. The table includes columns for 'Solutions configured', 'Date created', and a 'More' button. The bottom of the screen shows a navigation bar with icons for feedback, help, notifications, and account settings.

Authorization

# Adobe Identity Management System (IMS)

The screenshot shows the Adobe Experience Manager Assets interface. On the left, there's a sidebar with options like My Workspace, Search, Tasks, Assets, Collections, Insights, and Trash. The main area has a "My Workspace" section with a message "Good afternoon, Rami!", a "Quick access" section with a pinned item, and an "Insights" section showing file download and upload statistics. At the bottom, there's a "Tasks" section.

The screenshot shows the Adobe Experience Manager interface with several management tools listed: Brand Portal, Cloud Manager, Cloud Acceleration Manager, and Software Distribution. Each tool has a brief description and a "Launch" button.

## Single Sign-On (SSO)

- Allows the users to sign in once and access multiple Adobe Services
- *It supports integration with various identity providers*

The screenshot shows the Adobe Target interface under the "Activities" tab. It displays a list of 8 activities, each with a status (e.g., Inactive, Draft) and a preview icon. The interface includes filters at the top and standard navigation at the bottom.

The screenshot shows the AEM Assets Brand Portal interface. It features a large orange background with a globe and network graphics. A central callout box says "Welcome to AEM Assets Brand Portal" and "Seamlessly distribute approved brand campaign digital assets in fully secure way". There are "Sign In" and "Click here" buttons. The bottom of the screen has a footer with links for Privacy (UPDATED), Terms of Use, Cookies, and Help.

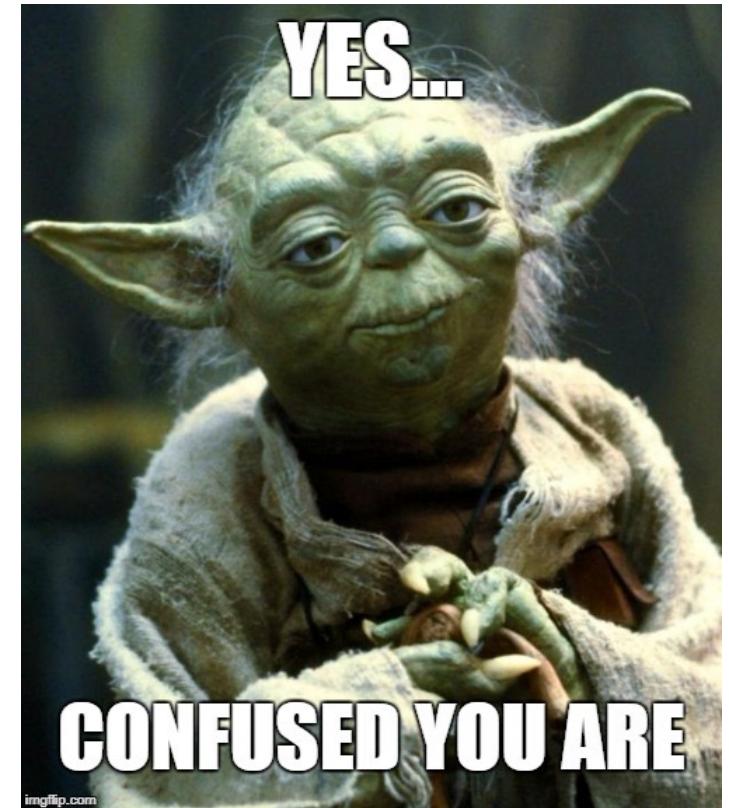
# Adobe Identity Management System (IMS)

Wait!

I thought you said IMS is used for both Authentication and Authorization.

**Why do we need to integrate with an Identity Provider?**

- SSO
- User Identity Management
- Security and Compliance
- Enterprise Integration
- Federated Identity and Trust Relationships
- Compliance with Standards



# Adobe Identity Management System (IMS)

## Setting Up an IdP

The screenshot shows the Adobe Cloud Manager dashboard. At the top, there's a summary section with the following data:

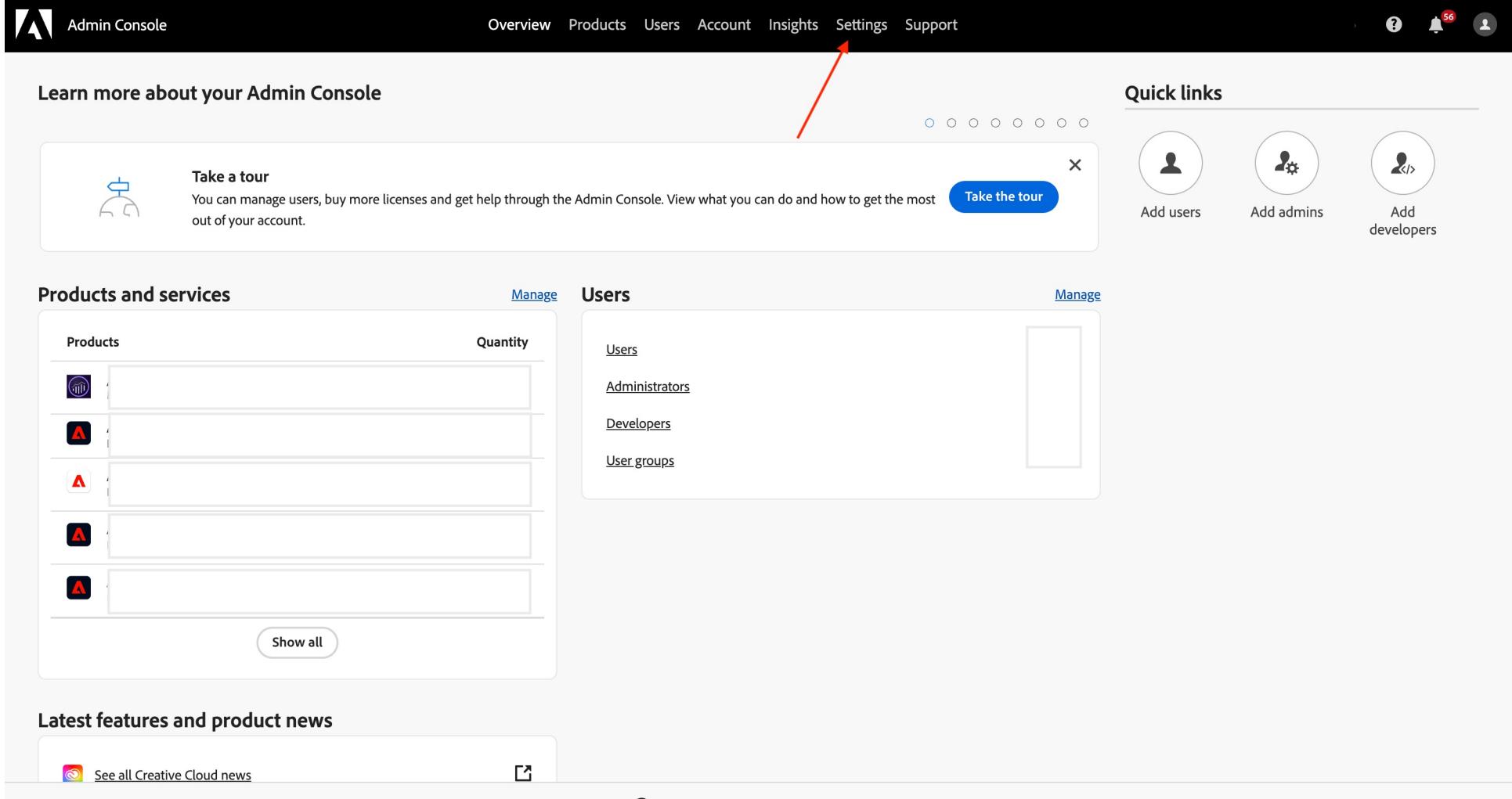
Category	Value
Successful production deployments	12
Code Quality Issues Identified	594
Successful non-production deployments	104
Builds Generated	123

Below this, there's a "My Programs" section with a card showing a "Production" status and a "Ready" icon. The card also lists "Solutions configured: Forms - Digital Enrollment, Assets, Sites" and was "Date created: Nov 19, 2020 - 9:11 AM".

On the right side, a vertical navigation menu is open, showing various options like Home, Analytics, App Builder Catalog, Experience Manager, etc. An arrow points from the text "Setting Up an IdP" to the "Admin Console" option in the menu.

# Adobe Identity Management System (IMS)

## Setting Up an IdP



The screenshot shows the Adobe Admin Console dashboard. At the top, there is a navigation bar with links for Overview, Products, Users, Account, Insights, Settings (which has a red arrow pointing to it), and Support. To the right of the navigation bar are icons for Help, Notifications (with 56 notifications), and User profile.

**Learn more about your Admin Console**

**Take a tour**  
You can manage users, buy more licenses and get help through the Admin Console. View what you can do and how to get the most out of your account. [Take the tour](#)

**Products and services** [Manage](#)

Products	Quantity
[Icon]	

[Show all](#)

**Users** [Manage](#)

- Users
- Administrators
- Developers
- User groups

**Latest features and product news**

See all Creative Cloud news

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# Adobe Identity Management System (IMS)

## Setting Up an IdP

The screenshot shows the Adobe Admin Console interface for managing Identity Settings. The top navigation bar includes links for Overview, Products, Users, Account, Insights, Settings, and Support. On the far right, there are icons for Help, Notifications (with 56 notifications), and User profile.

The main left sidebar has a "Identity Settings" tab selected, along with other options like Asset settings, Privacy and Security (expanded to show sub-options like Console Settings, Content Logs, and Encryption settings), and a "Create directory" button.

The central "Identity Settings" page displays a summary at the top: 1 DIRECTORY, 1 DOMAIN, 0 TRUSTEES, and 0 ACCESS REQUESTS. Below this is a search and filter section with fields for "Search by directory name" and "Select status" (set to "All Statuses").

The main content area lists a single entry:

	Federated ID	Status
<input type="checkbox"/>		● Active

At the bottom of the page are navigation links for "Previous" and "Next", and a "Items per page" dropdown set to 20.

At the very bottom of the screen, there is a footer bar with links for Terms of Use, Privacy, AdChoices, Cookie preferences, Do not sell or share my personal information, English language selection, and a copyright notice: © 2023 Adobe. All rights reserved.

# Adobe Identity Management System (IMS)

## Setting Up an IdP

The screenshot shows the 'Create directory' page in the Adobe Admin Console. The left sidebar has 'Identity Settings' selected. The main area is titled 'Create directory' and instructs the user to enter a directory name and choose a type. A 'Directory name' input field is empty. Two options are shown: 'Federated ID' and 'Enterprise ID'. 'Federated ID' supports SSO via an identity provider. 'Enterprise ID' allows the organization to maintain accounts while Adobe handles authentication. Both sections include a 'Benefits' list and a 'Learn more' link. At the bottom are 'Cancel' and 'Next' buttons.

Admin Console

Overview Products Users Account Insights Settings Support

Identity Settings

Asset settings

Privacy and Security

Console Settings

Content Logs

Encryption settings

Create directory

Enter a directory name, then choose a directory type for your new directory.

Add directory name

Directory name

Choose directory type

Federated ID

Federated ID support Single Sign-On (SSO) via an Identity Provider. The organization hosts and maintains the user accounts and their assets.

Benefits

- Users can use organization password via SSO.
- Sync existing users and SSO setup from some identity providers.

[Learn more about Federated ID](#)

Enterprise ID

Enterprise ID allows the organization to maintain user accounts and assets, while Adobe takes care of the authentication. This option does not support SSO.

Benefits

- Users create their own password for Adobe.
- 3rd-party identity provider is not required.
- Quick, easy setup.

[Learn more about Enterprise ID](#)

Cancel Next

0 ACCESS REQUESTS

Items per page 20

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# Adobe Identity Management System (IMS)

## Setting Up an IdP

Admin Console

Overview Products Users Account Insights Settings Support

?

56

0 ACCESS REQUESTS

Identity Settings

Asset settings

Privacy and Security

Console Settings

Content Logs

Encryption settings

Select your identity provider for authentication

Select the identity provider that your organization uses to authenticate users.

 Microsoft Azure Active Directory

Select this option if you are using Microsoft Azure Active Directory for single sign-on (SSO) with OpenID Connect.

[Learn more about authentication with Azure](#)

 Google

Select this option if you are using Google Workspace for single sign-on (SSO) with SAML.

[Learn more about authentication with Google](#)

 Other SAML Providers

Select this option if your organization uses SAML for single sign-on (SSO).

[Learn more about authentication with SAML](#)

Cancel Next

Items per page 20

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# Adobe Identity Management System (IMS)

## Setting Up an IdP

**Edit identity provider**

( Download Adobe metadata )

---

OPTION 2

ACS URL

**Copy to clipboard**

Entity Id

**Copy to clipboard**

# User Management

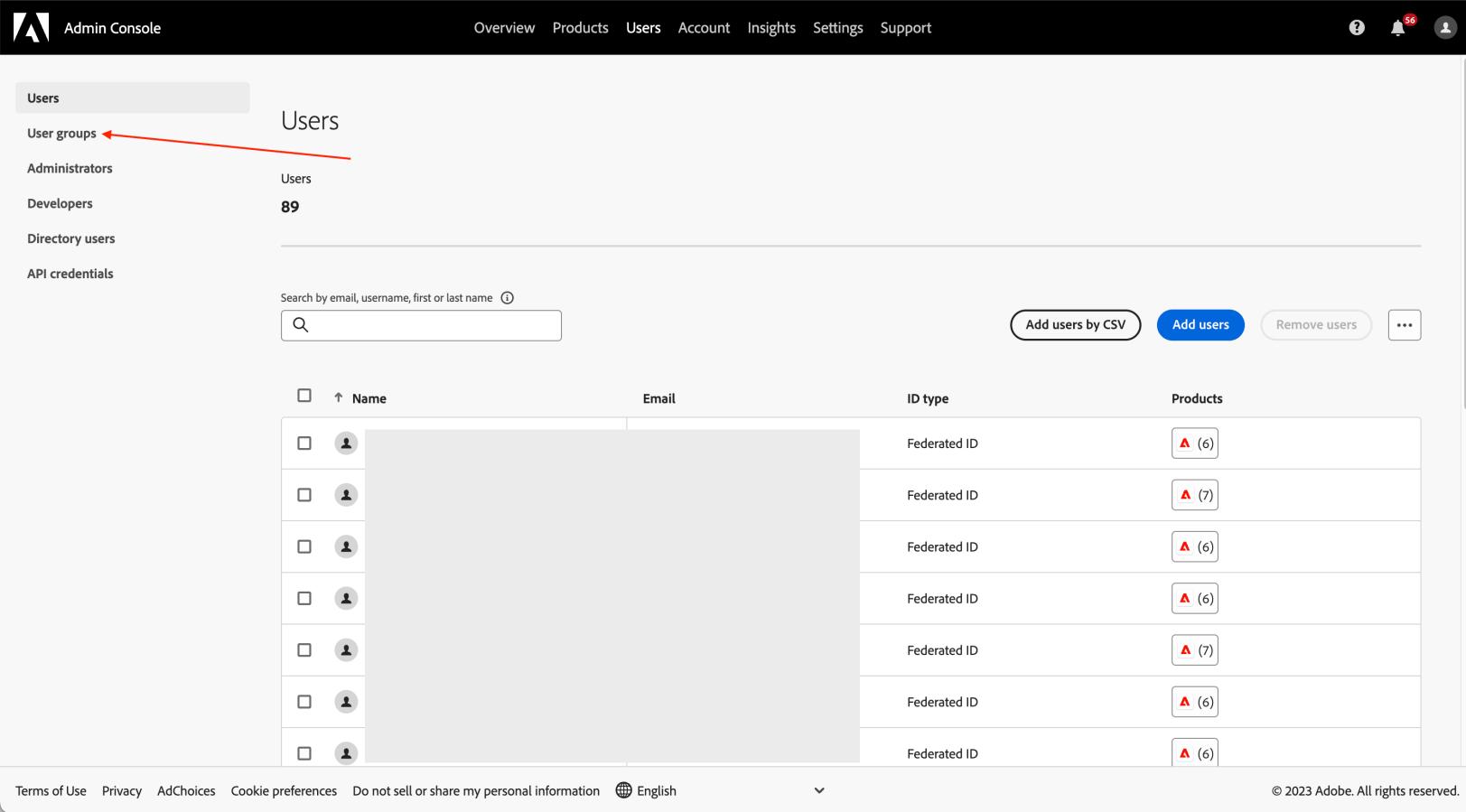
What are the best practices before we start creating users?

- Implement RBAC
- Assign Minimum Necessary Permissions
- Clearly Define and Document Roles
- Regular User and Group Reviews
- Limit Administrative Privileges
- Regular Training and Awareness
- Testing and Validation
- Group-Based Authorization



# User Management

## Creating a Group in IMS



The screenshot shows the Admin Console interface for managing users. The top navigation bar includes links for Overview, Products, Users, Account, Insights, Settings, and Support, along with a help icon, a notifications bell with 56 notifications, and a user profile icon.

The left sidebar under the 'Users' heading has links for User groups, Administrators, Developers, Directory users, and API credentials. A red arrow points from the 'User groups' link to the 'User groups' section in the main content area.

The main content area displays the 'Users' page with a title 'Users' and a sub-section 'User groups'. It shows statistics for Administrators (1) and Developers (89). Below this is a search bar labeled 'Search by email, username, first or last name' and a 'Users' count of 89.

At the bottom right of the main content area are buttons for 'Add users by CSV', 'Add users', 'Remove users', and a three-dot menu.

The central part of the screen is a table listing user details:

	Name	Email	ID type	Products
<input type="checkbox"/>			Federated ID	
<input type="checkbox"/>			Federated ID	
<input type="checkbox"/>			Federated ID	
<input type="checkbox"/>			Federated ID	
<input type="checkbox"/>			Federated ID	
<input type="checkbox"/>			Federated ID	
<input type="checkbox"/>			Federated ID	

At the bottom of the page are links for Terms of Use, Privacy, AdChoices, Cookie preferences, Do not sell or share my personal information, English language selection, and a footer note: © 2023 Adobe. All rights reserved.

# User Management

## Creating a Group in IMS

The screenshot shows the Admin Console interface for managing user groups. The top navigation bar includes links for Overview, Products, Users, Account, Insights, Settings, and Support. The left sidebar under the 'Users' section has a selected 'User groups' tab, along with other options like Administrators, Developers, Directory users, and API credentials. The main content area displays a table of user groups with columns for Group name, Number of users, and Number of admins. A search bar is available at the top of the list. A prominent blue button labeled 'New user group' is located in the upper right corner of the list area, with a red arrow pointing towards it from the left.

<input type="checkbox"/>	Group name	Number of users	Number of admins
<input type="checkbox"/>			

# User Management

## Creating a Group in IMS

Admin Console

Overview Products Users Account Insights Settings Support

?

56

Users

User groups

Administrators

Developers

Directory users

API credentials

Create a new user group

User groups can help admins quickly assign the same products to a group of users. [Learn more about using user groups](#)

User group name

Description (optional)

Add Description!

I SENSE THE FRUSTRATION

RUNS DEEP IN THIS ONE

Cancel Save

Number of admins

2
0
3
0

Items per page 20

Adobe

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# User Management

## Creating a Group in IMS

The screenshot shows the Adobe IMS User Management interface. On the left, a sidebar lists 'Users', 'User groups' (which is selected and highlighted in grey), 'Administrators', 'Developers', 'Directory users', and 'API credentials'. The main content area is titled 'User groups > Test Group'. It displays a summary for 'Test Group': 'Users assigned' (0) and 'Admins assigned' (0). Below this, there are tabs for 'Users', 'Admins', and 'Assigned product profiles', with 'Assigned product profiles' being the active tab, indicated by a red arrow pointing to it from the bottom-left. A search bar labeled 'Search by name' is present. To the right of the search bar are buttons for 'Assign profile' (blue) and 'Delete profiles' (grey). The main table area is currently empty, showing a placeholder icon and the text 'No product profiles'.

# User Management

## Creating a Group in IMS

Assign products and profiles

Adding products to users groups will assign a license to all users in this group. Note: Users will be notified via email according to the notification settings in the product profile. [Learn more about managing user groups](#)

Profiles assigned: 0

Select products

+ EXPIENCE CLOUD (20)

- AEM Brand Portal >
- AEM Managed Services >
- AEM Managed Services - cloud-manager >
- Adobe Analytics - >
- Adobe Dynamic Tag Management - >
- Adobe Experience Manager as a Cloud Service - Atco Group Production-atco->

Cancel Save

# User Management

## Creating a Group in IMS - Profiles

- System Administrator
- Account Administrator
- Product Administrator
- Group Administrator
- User Administrator
- Content Manager
- Viewer
- Contributor



# User Management

## Creating a Group in IMS

The screenshot shows the Adobe IMS User Management interface. On the left, a sidebar menu includes 'Users', 'User groups' (which is selected and highlighted in grey), 'Administrators', 'Developers', 'Directory users', and 'API credentials'. The main content area is titled 'User groups > Test Group'. It displays a summary for 'Test Group': 'Users assigned' (0) and 'Admins assigned' (0). Below this, there are tabs for 'Users', 'Admins', and 'Assigned product profiles', with 'Users' selected. A search bar is present above a table. A red arrow points to the 'Add users' button in the top right corner of the user list area. The table has columns for 'Name', 'Email', and 'ID type'. At the bottom of the table, it says 'No users'. The footer contains links for 'Terms of Use', 'Privacy', 'AdChoices', 'Cookie preferences', 'Do not sell or share my personal information', language selection ('English'), and copyright information ('© 2023 Adobe. All rights reserved.').

# User Management

## Creating a User in IMS

The screenshot shows the Adobe IMS User Management interface. On the left, a sidebar lists categories: Users (selected), User groups, Administrators, Developers, Directory users, and API credentials. The 'Users' section title is highlighted with a red arrow. The main area displays user statistics: 89 users. Below this is a search bar with placeholder text 'Search by email, username, first or last name'. To the right are buttons for 'Add users by CSV' (disabled), 'Add users' (highlighted with a red arrow), 'Remove users', and a three-dot menu. A table below lists users by Name, Email, ID type, and Products. The table has columns: Name, Email, ID type, and Products. The 'Name' column contains icons of people and checkboxes. The 'Email' column is empty. The 'ID type' column is empty. The 'Products' column has seven empty rows. At the bottom, there are links for Terms of Use, Privacy, AdChoices, Cookie preferences, Do not sell or share my personal information, English language selection, and a copyright notice for 2023.

Name	Email	ID type	Products

# User Management

## Creating a User in IMS

Add users to your team

You can add up to 10 users below by entering their email addresses.  
Need to add many users? Go to the [Users tab](#), then click on **Add users by CSV**.

---

User 1

Email or username  i

ID type Federated ID (recommended) i

This user can only be assigned to certain products.

First name (optional)  Last name (optional)

Federated ID (recommended) Adobe ID

Select products or user groups +

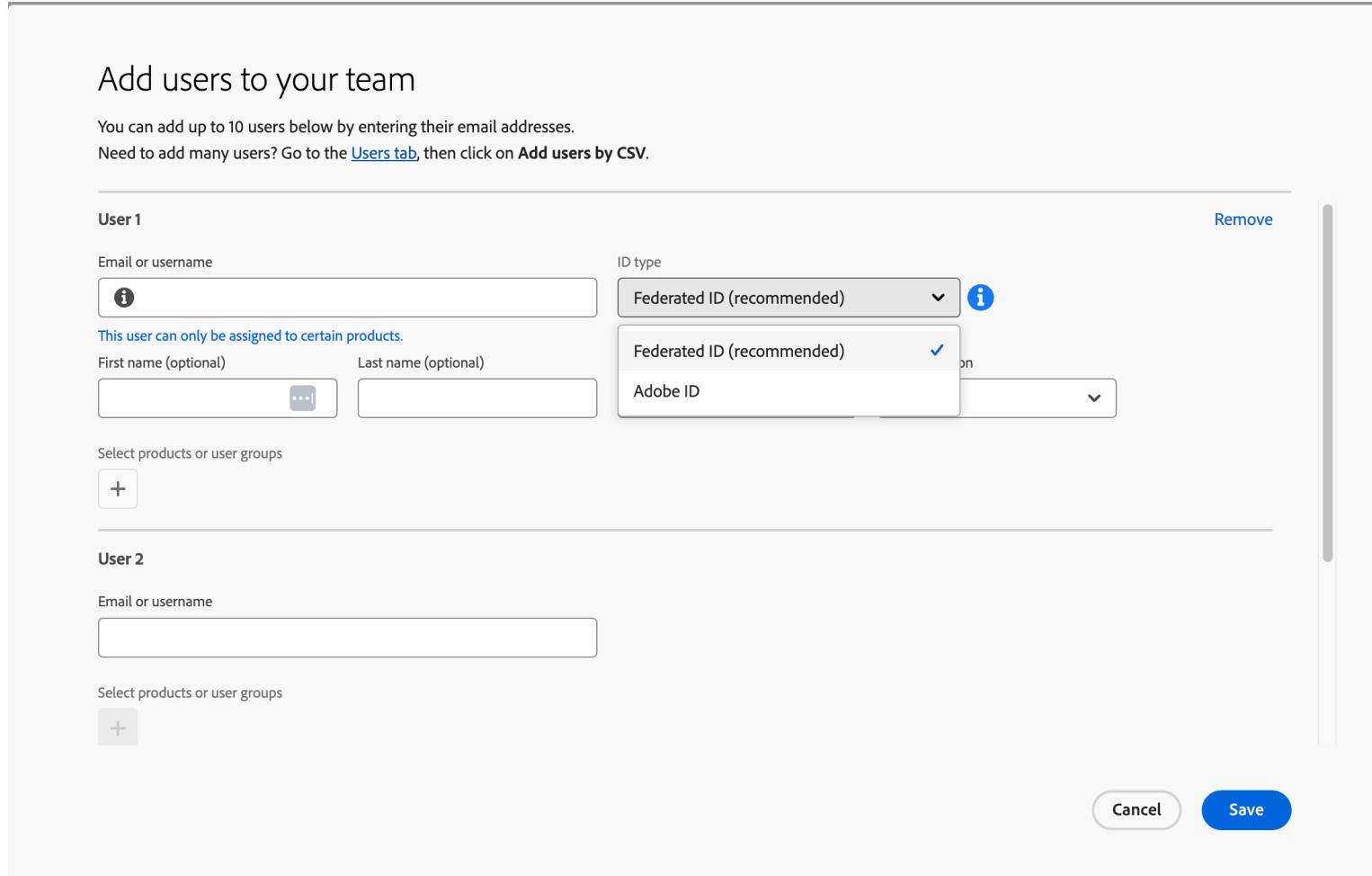
---

User 2

Email or username

Select products or user groups +

Cancel Save



Take A Break!



# User Management

How is this IdP stuff different from the SAML OSGi Configuration in AEM?

- IMS and its IdP integrations are used on the Author, not the Publish
- If the implementation needs Authentication on AEM Publish, the SAML OSGi configuration will still be required
- CUGs will still need to be created on the Author and Activated/Published to AEM Publish



# Adobe Cloud Manager

## Roles and responsibilities

- Business Owner
- Program Manager
- Deployment Manager
- Developer
- Customer Success Engineer
- Content Author

## What does it do?

- Continuous Integration and Deployment
- Environment Management
- Pipeline Management
- Testing and Quality Assurance
- Insights and Analytics

# Adobe Cloud Manager

## AEM Group IMS Sync

- Groups created in IMS are synced down to the AEM Instances with the assigned users

The screenshot shows the AEM User groups page. The sidebar on the left has tabs for Users, User groups (selected), Administrators, Developers, Directory users, and API credentials. The main content area displays a table of user groups. One group, "Authors Cloud-Access Group", is highlighted in blue. The table columns are Group name, Number of users, and Number of admins. There are buttons for New user group and Remove user groups.

Group name	Number of users	Number of admins
Authors Cloud-Access Group	70	1

The screenshot shows the AEM search results for the query "Location: Groups 'Authors cloud-access group'". The results show one item: "Authors Cloud-Access Group" with a creation date of 2022-07-13 22:31 and status "Not Published". There are buttons for Select All and 1 of 1.

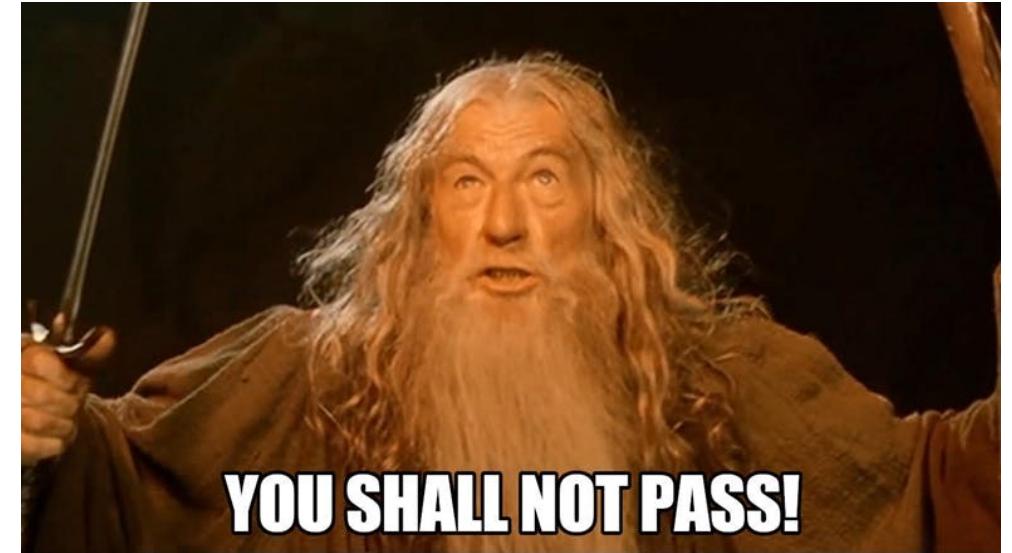
- These groups should be used to assign and limit user access within AEM

# User Management

## Role-Based Access Control

There are major roles you should consider to secure different parts within AEM

- **Sites:** Includes Content Authors, Approvers, and Publishers
- **Assets:** Includes Content Authors, Approvers, and Publishers
- **Tags:** Includes Administrators and Users
- **Editable Templates:** Includes Administrators and Users
- **Workflows:** Includes Administrators and Users



# Adobe Cloud Manager

## AEM Apache Sling Repo Init

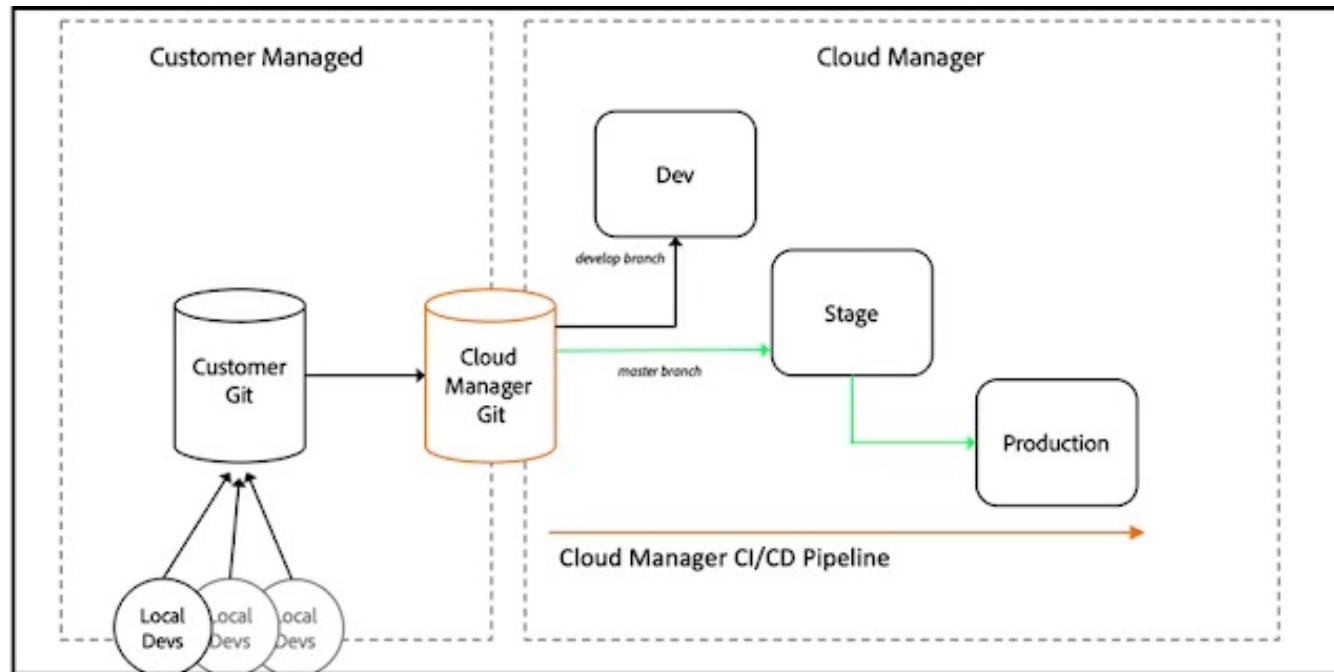
- Creating Service Users
- Creating User Groups
- Assigning Users to Groups or Groups to Groups
- Setting up ACLs for Users and Groups

```
1  scripts=[  
2      "  
3          # Create paths examples  
4          create path (sling:OrderedFolder) /content/dam/securesite  
5          create path (nt:unstructured) /content/dam/securesite/jcr:content  
6          set properties on /content/dam/securesite/jcr:content  
7          set cq:conf{String} to /conf/securesite  
8          set jcr:title{String} to \"Secure Site\"  
9          end  
10           
11         create path /content/securesite(cq:Page)  
12           
13         # service user securesite-service-user (path is relative)  
14         create service user securesite-service-user with path system/securesite  
15         set ACL for securesite-service-user  
16             allow jcr:all on /  
17         end  
18           
19         # Create a group  
20         create group secure-site-group  
21         set ACL for secure-site-group  
22         allow crx:replicate, jcr:lockManagement, jcr:versionManagement, rep:write on /content/my-site  
23         end  
24           
25         # Add group members  
26         add secure-site-group to group administrators  
27     ]  
28 ]
```

# Adobe Cloud Manager

## Git Repository Flow

- Importance of securing the Git repository
- Best practices for securing the Git repository in the context of Adobe Cloud Manager and CI/CD
- Integration of the Git repository with Adobe Cloud Manager for secure CI/CD
- Key considerations for securing the Adobe Cloud Manager deployment process
- Implementing secure deployment workflows
- Enforcing authentication, access controls, and audit logging



# Adobe Cloud Manager

## Environment Variables

- Overview of environment variables in Adobe Cloud Manager
- Purpose and benefits of using environment variables
- When to use environment variables instead of OSGi configurations for security reasons



# Adobe Cloud Manager

## Environment Variables

The screenshot shows the Adobe Cloud Manager interface for managing environments. The top navigation bar includes links for Cloud Manager, Overview, Environments (which is the active tab), Pipelines, Repositories, Activity, Reports, and Learn. On the far right of the header are buttons for Feedback, a grid icon, a help icon, a notifications bell with 8 notifications, and a profile icon.

The main content area has a breadcrumb navigation path: Program Overview > Environments >. On the left, there is a sidebar titled "Environments" with icons for SSL Certificates, Domain Settings, IP Allow Lists, Content Sets, and Copy Content Activity. The main panel displays "Production" status with a green dot indicating it is "Running". Below this, tabs for General and Configuration are shown, with General selected.

The "Environment Information" section contains the following details:

Author URL	
Region	United States (East US)
AEM Release	2023.7.12549.20230704T084019Z
	New release available ⓘ

The "Environment Segments" section lists three segments:

SEGMENT	STATUS	DOMAIN
Author Service	Running	N/A
Publish Service (AEM & Dispatcher)	Running	56 domains
Preview Service (AEM & Dispatcher)	Running	N/A

The "Domain Names" section is currently empty.

# Adobe Cloud Manager

## Environment Variables

### Environment Configuration

Change environment variables so you can avoid changing functional code. After you enter your new variable you must select Add. When you're done with all your updates, select Save to submit your changes. [Learn More](#)

NAME	VALUE	SERVICE APPLIED	TYPE
testconfig	testvalue	All	Type

No configuration added

+ Add

All

Author

Publish

Preview

Cancel

Save

### Environment Configuration

Change environment variables so you can avoid changing functional code. After you enter your new variable you must select Add. When you're done with all your updates, select Save to submit your changes. [Learn More](#)

NAME	VALUE	SERVICE APPLIED	TYPE
testconfig	testvalue	All	Type

No configuration added

+ Add

Variable

Secret

Cancel

Save

# Adobe Cloud Manager

## Environment Variables

### OSGi Configuration

```
{  
  "connection.timeout": 1000,  
  "api-key": "${secret:server-api-key}",  
  "url": "${env:server-url}"  
}
```

### POM XML

```
<servers>  
  <server>  
    <id>myco-repository</id>  
    <username>cloudmanager</username>  
    <password>${env.CUSTOM_MYCO_REPOSITORY_PASSWORD}</password>  
  </server>  
</servers>
```

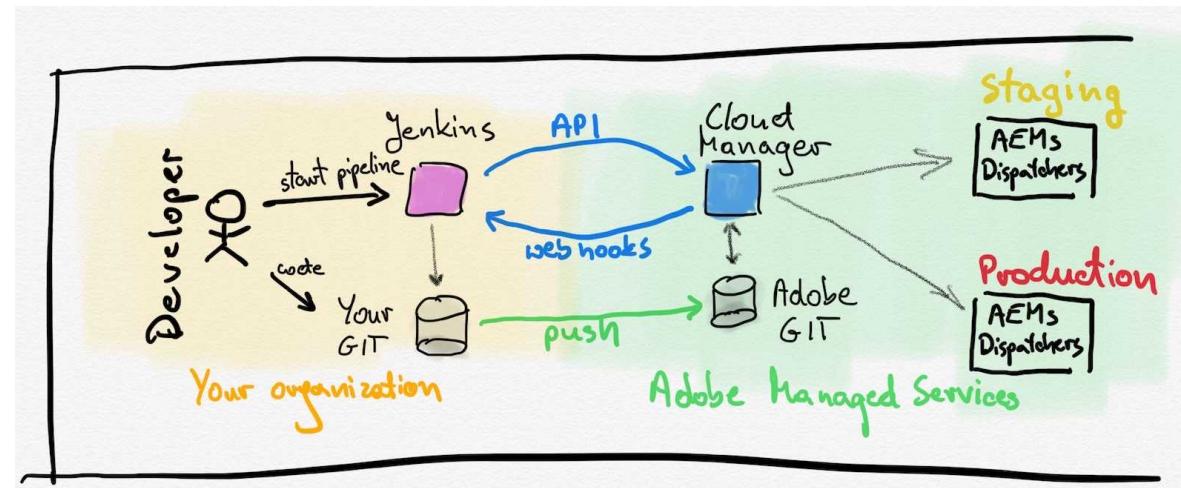
### Maven Settings

```
<?xml version="1.0" encoding="UTF-8"?>  
<settings xmlns="https://maven.apache.org/SETTINGS/1.0.0" xi:  
  xsi:schemaLocation="https://maven.apache.org/SETTIN  
  <servers>  
    <server>  
      <id>myco-repository</id>  
      <username>cloudmanager</username>  
      <password>${env.CUSTOM_MYCO_REPOSITORY_PASSWORD}</password>  
    </server>  
  </servers>  
</settings>
```

# Adobe Cloud Manager

## Securing AEM with Allowed IPs

- Environment specific (Prod Author vs Publish vs Preview)
- Can be applied without a code deploy
- Only accessible by Cloud Manager Admins and Developers



# Adobe Cloud Manager

## Securing AEM with Allowed IPs

The screenshot shows the Adobe Cloud Manager interface for managing IP allow lists. The left sidebar has a tree view with 'Environments' selected, and 'IP Allow Lists' is highlighted. The main content area shows a table of IP allow lists for different environments.

ENVIRONMENT	IP ALLOW LIST NAME	STATUS	IP / CIDR	ACTION
Preview Default [86055]	Preview Default [86055]	Applied on 1 service(s)	0.0.0/32	...
Preview Default [78293]	Preview Default [78293]	Applied on 1 service(s)	0.0.0/32	...
Preview Default [86103]	Preview Default [86103]	Applied on 1 service(s)	0.0.0/32	...
Preview Default [336102]	Preview Default [336102]	Applied on 1 service(s)	0.0/32	...
Publish Server	Publish Server	Not in use	74.222.76.151/32	...

# Adobe Cloud Manager

## Securing AEM with Allowed IPs

**Add IP Allow List**

Define IP Allow List rules here. Include trusted IP/CIDR addresses that you would like to access your AEM services. [Learn More](#)

IP Allow List name

IP address / CIDR

You can add maximum 50 IP / CIDR addresses. 50/50 IP / CIDR left

[Cancel](#) [Save](#)

# Adobe Cloud Manager

## Securing AEM with Allowed IPs

The screenshot shows the Adobe Cloud Manager interface for managing environments. The top navigation bar includes links for Overview, Environments (which is the active tab), Pipelines, Repositories, Activity, Reports, and Learn. On the far right of the header are buttons for Feedback, a grid icon, a help icon, a notification bell with a red '8' badge, and a profile icon.

The left sidebar contains links for Environments, SSL Certificates, Domain Settings, IP Allow Lists (which is selected and highlighted in blue), Content Sets, and Copy Content Activity.

The main content area displays two sections: "Environment Segments" and "Domain Names".

**Environment Segments:** This section lists three segments: Author Service, Publish Service (AEM & Dispatcher), and Preview Service (AEM & Dispatcher). Each segment has an "Update Available" status and an "N/A" domain entry.

SEGMENT	STATUS	DOMAIN
Author Service	● Update Available	N/A
Publish Service (AEM & Dispatcher)	● Update Available	N/A
Preview Service (AEM & Dispatcher)	● Update Available	N/A

**Domain Names:** This section shows a list of domain names under the "IP Allow Lists" tab. The list includes "Preview Default [86055]", "Preview Default [78293]", "Preview Default [86103]", and "Preview Default [336102]". Below this is a "Publish Server" section with dropdown menus for "Select IP Allow List" (set to "Preview Default [336102]"), "Select Service" (set to "Preview"), and an "Apply" button.

DOMAIN NAME	SSL CERTIFICATE	DNS RECORD
Enter Domain Name	Please enter the Domain Name first	+ Add
Preview Default [86055]	No Domain Names added	
Preview Default [78293]		
Preview Default [86103]		
Preview Default [336102]		

At the bottom of the page, there are links for Help, Terms of Use, Privacy Policy, and Language selection (set to English). The footer also includes a copyright notice for 2023 Adobe and a "Feedback" link.

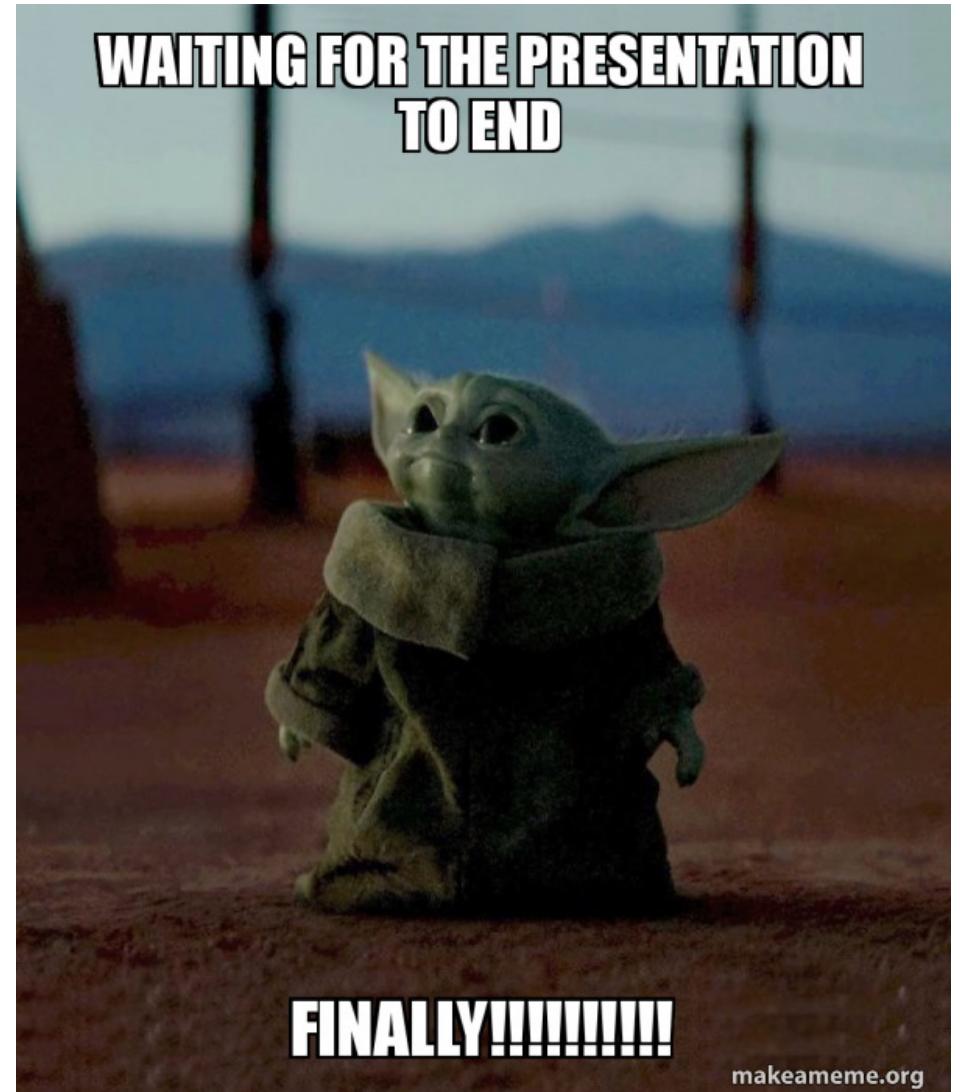
# Adobe Cloud Manager

## Dispatcher Whitelisting

- Can be domain specific based on which vhost is being used
- Requires a code deploy when changes happen
- Accessible by all developers as it is part of the codebase

## Takeaways

- Adobe IMS can be used for Authentication and Authorization or just Authorization
- It is important to assign the right permissions to the groups based on Role-Based Access Control
- Users should be assigned to groups and not directly to applications
- Cloud Environment Variables should be used, specially for “Secret” strings
- Adobe Cloud can be used along side the Dispatcher to limit access to your environments
- *Using too many memes might not be a good idea!*





## Q&A



Don't forget...



Experience Makers

## The Skill Exchange

August 15: Adobe Experience Manager-Sites



### AEM Developer Starter Kit

9:15 AM-9:55 AM

Developer Track (...)



Rami El Gamal

Senior Solution Arc...  
RENY Consulting In...

There's me!



