

S701 - Synchronizing enterprise users to the Adobe Admin Console

James Lockman | Kevin Bhunut | Andrew Dorton



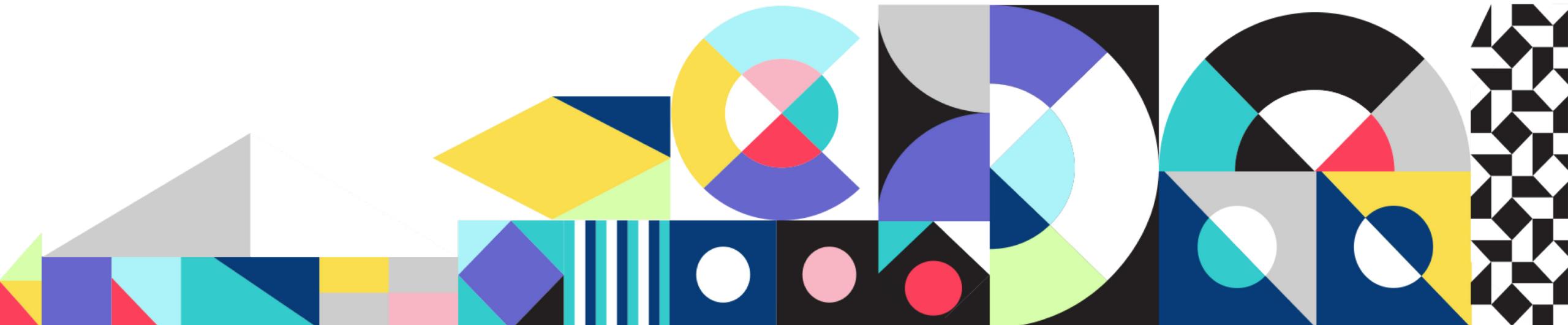
1 | Welcome and Overview

2 | Named User Licensing Overview

3 | User Provisioning Options

4 | User Sync Tool Overview

5 | Demo



Speakers

James Lockman

Manager, Consulting

jlockman@adobe.com



Kevin Bhunut

Solution Developer

bhunut@adobe.com



Andrew Dorton

Solution Developer

adorton@adobe.com



Named User Licensing Overview

Named user licensing refers to a software deployment where the user is associated with a license.

- Serialization
 - Creative Cloud / Document Cloud / Learning Solutions
 - Antique Technology
 - Difficult to manage
 - Product silos
 - Different logins for Analytics, AEM, etc.
 - Disparate collaboration
 - Security
 - Multiple SSO configurations
- 
- License based on user, NOT machine
 - Centralize Identity and License Management
 - Single location to manage SSO
 - Streamlined collaboration



Patrick, IT Administrator

Eugene, IT Manager



Sandy, Data Analyst

User Provisioning Solutions

- Adobe Admin Console
 - Great for small number of users
 - Easiest but required manual process
- User Management API
 - Custom Development
 - Can be difficult for IT to implement
- User Sync Tool
 - No custom development
 - Integrated with existing directory
 - Easy setup for IT and Fully Automated
 - Work at Scale



Adobe Admin Console

The Adobe **Admin Console** provides a central location for enterprise customers to manage Adobe entitlements across their entire organization.

The screenshot shows the Adobe Admin Console interface. At the top, there's a navigation bar with links for Admin Console, Overview, Products, Users, Packages, Account, Settings, and Support. To the right of the navigation bar are links for Digital Media Services - Summit Demo, a flag icon, a bell icon, and a user profile icon. Below the navigation bar is a section titled "Overview". Under "Overview", there's a "Products" section. This section contains six cards, each representing a different Adobe product or service. The first three cards are highlighted with a red border:

- Acrobat Pro DC**: Shows 0 / 100 licenses used and a "Assign Users" button.
- Adobe Analytics - User Sync - STG**: Shows 4 users and a "Go to Analytics" link.
- Adobe Sign - Business**: Shows 0 / 100 licenses used and a "Manage Adobe Sign" link.

Below these three cards are three more cards:

- Adobe Stock**: Shows a "Go to Stock Usage Dashboard" link.
- All Apps plan - 100 GB**: Shows a "Go to Marketing Cloud" link.
- Customer Attributes**: Shows a "Go to Marketing Cloud" link.

On the right side of the screen, there's a "Quick links" sidebar with two items:

- Add User to Organization
- Add Admin

At the bottom of the screen, there are links for Terms of Use, Privacy, Cookies, AdChoices, Language: English, and a copyright notice: © 2018 Adobe Systems Incorporated. All Rights Reserved.

Adobe Admin Console - Users Overview

Admin Console Overview Products **Users** Packages Account Settings Support Digital Media Services - Summit Demo

12 USERS

USERS
USER GROUPS
ADMINISTRATORS
DIRECTORY USERS

Search Add User ...

<input type="checkbox"/> NAME ↓	EMAIL	ID TYPE	PRODUCTS
<input type="checkbox"/> [None]	513ae6d2-be94-430b-b2c4-baffe89142f3@techacct.adobe.com	Technical account	
<input type="checkbox"/> Andrew Dorton	adorton@adobe.com	Adobe ID	
<input type="checkbox"/> Bert Sesame	bert@adobetest.com	Adobe ID	
<input type="checkbox"/> Daphne Blake	Daphne.Blake@aemcceawesome.com	Federated ID	
<input type="checkbox"/> James Lockman	jlockman@adobe.com	Adobe ID	
<input type="checkbox"/> Jane Jetson	Jane.Jetson@aemcceawesome.com	Federated ID	
<input type="checkbox"/> Johnny Bravo	Johnny.Bravo@aemcceawesome.com	Federated ID	
<input type="checkbox"/> Judy Jetson	Judy.Jetson@aemcceawesome.com	Federated ID	
<input type="checkbox"/> Kevin Bhunut	bhunut@adobe.com	Adobe ID	
<input type="checkbox"/> Patrick Star	pstar@aemcceawesome.com	Federated ID	

Terms of Use Privacy Cookies AdChoices Language: English © 2018 Adobe Systems Incorporated. All Rights Reserved.

Adobe Admin Console - Users Creation

Users 9 USERS

Search

NAME ▼

EMAIL

ID TYPE

PRODUCTS

<input type="checkbox"/>	[None]	513ae6d2-be94-430b-b2c4-baffe89142f3@techacct.adobe.com	Technical account
<input type="checkbox"/>	Andrew Dorton	adorton@adobe.com	Adobe ID
<input type="checkbox"/>	Daphne Blake	Daphne.Blake@aemcceawesome.com	Federated ID

Add User 1 ...

Add a User

User Details Assign Products Assign User Groups

Enter user's email address 2

ejetson@aemcceawesome.com

Add as Federated ID user (Recommended)
This allows user to log in using your organization Single-Sign On

Add as an Adobe ID user
Adobe ID account is not managed by your organization

We just need a few details to setup their SSO authentication.

SSO Username ejetson@aemcceawesome.com

Country United States

First Name (optional) Elroy Last Name (optional) Jetson

Cancel Save

User Summary

User Details

Elroy Jetson
Federated ID
ejetson@aemcceawesome.com

Adobe Admin Console – Bulk Users Upload

Users

9 USERS

Search

NAME EMAIL ID TYPE

Name	Email	ID Type
[None]	513ae6d2-be94-430b-b2c4-baffe89142f3@techacct.adobe.com	Technica
Andrew Dorton	adorton@adobe.com	Adobe ID
Daphne Blake	Daphne.Blake@aemcceawesome.com	Federate
James Lockman	jlockman@adobe.com	Adobe ID
Jane Jetson	Jane.Jetson@aemcceawesome.com	Federate

Add User ...
Add users by CSV
Edit user details by CSV
Edit identity type by CSV
Remove users by CSV
Export users list to CSV
Export migration report to CSV
Bulk Operation Results

Add Users by CSV

Download the CSV template to *include the users you would like to add* then upload the CSV.

Download CSV Template

Drag and Drop Your CSV File
Select a File from your computer

Cancel Upload

User Management API

Adobe's **User Management API** allows the programmatic management of users, groups, and entitlements in Adobe Admin Console.

- REST API
- Supported Functions
 - Create/Update/Delete User
 - Manage Entitlements
 - User Group
 - Product Profile
 - Test-Mode
- Python Library Available!
 - UMAPI-Client

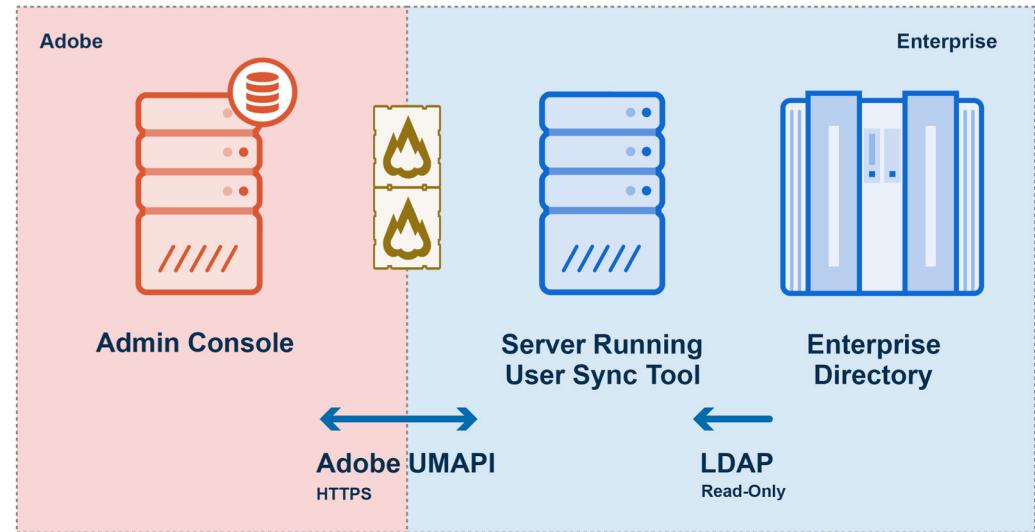
```
===== REQUEST =====
POST https://usermanagement.adobe.io/v2/usermanagement/action/{myOrgID}
----- body -----
[
  {
    "user" : "jdoe",
    "domain" : "myDomain"
    "do" : [
      {
        "createFederatedID" : {
          "email" : "john.doe@myDomain",
          "country" : "US",
          "firstname" : "John",
          "lastname" : "Doe"
        }
      }
    ]
  }
----- headers -----
Accept: application/json
Content-Type: application/json
x-api-key: {myApiKey}
Authorization: Bearer {myAccessToken}
```

Adobe User Sync Tool Overview

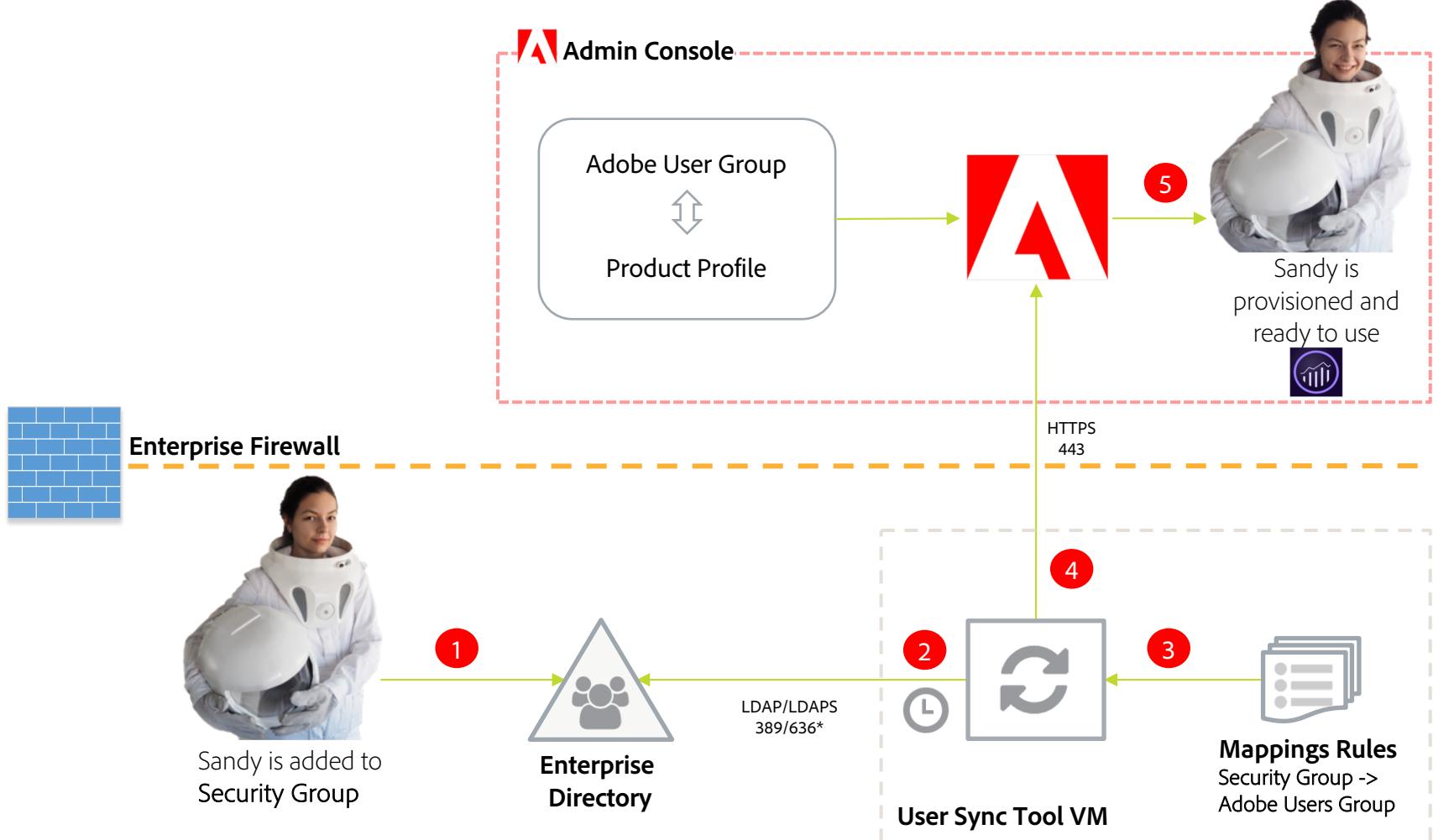
The **User Sync Tool** allows you to automate the process of creating users and product assignments, and keep them up-to-date in the Admin Console by syncing with information from your organization's enterprise directory.

Each time the User Sync Tool runs, it:

- Requests employee records - from an Enterprise Directory
- Requests current users & associated product profiles - from the Adobe Admin Console (via User Management API)
- Determines deltas - which users need to be created, deleted, or updated based on rules you have defined in the User Sync configuration files
- Makes the required changes - to the Adobe Admin Console through the User Management API



User Provisioning Workflow – New User Scenario



New User Provisioning:

1. New user is added to security group
2. UST regularly checks users/groups
3. Process mapping rules
4. Determine delta, updates on cloud
5. New user is automatically provisioned

*If you are using Active Directory, User Sync Tool can connect to Global Catalog server via 3268/3269

UST Support Features

Basic Features

- LDAP and CSV supported for users data source.
- Creation of AdobelD, EnterpriselD, FederatedID
- Provisioning/Deprovisioning of user product profile and user group assignment
- Mapping of LDAP group to Adobe product profiles or user groups
- User removal/deletion

Advanced Features

- Customizable mapping based on LDAP attributes
- Supported custom Python code snippet for more advance mapping rules

UST Requirements

- Supported OS



- Additional Install



- Generated User Management API keys on Adobe.io
- Users Data Source



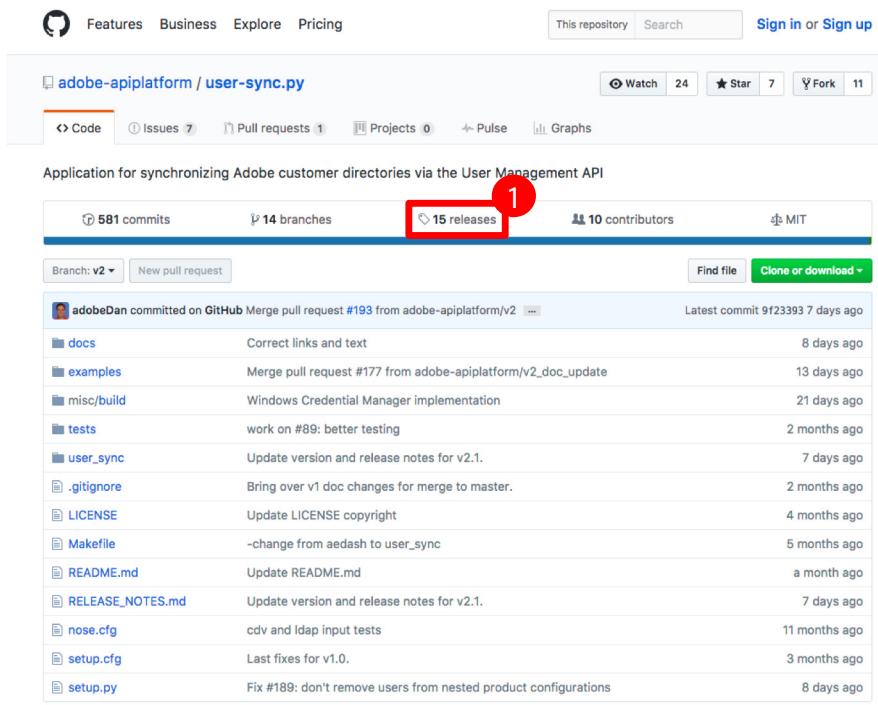
Download

Windows Quick Installer

<https://github.com/bhunut-adobe/user-sync-quick-install>

GitHub:

<https://github.com/adobe-apiplatform/user-sync.py>



The screenshot shows the GitHub repository page for `adobe-apiplatform / user-sync.py`. The top navigation bar includes links for Features, Business, Explore, Pricing, This repository, Search, Sign in or Sign up, Watch (24), Star (7), Fork (11), and Clone or download. A red circle labeled '1' points to the '15 releases' link in the top navigation bar. Below the navigation bar, there are sections for Code, Issues (7), Pull requests (1), Projects (0), Pulse, and Graphs. The main content area displays the repository's README, which describes it as an application for synchronizing Adobe customer directories via the User Management API. It lists 581 commits, 14 branches, and 10 contributors. A commit from `adobeDan` on November 19, 2017, is shown as the latest commit. The repository structure includes `docs`, `examples`, `misc/build`, `tests`, `user_sync`, `.gitignore`, `LICENSE`, `Makefile`, `README.md`, `RELEASE_NOTES.md`, `nose.cfg`, `setup.cfg`, and `setup.py`.

Running from Command Prompt:

```
@ "%SystemRoot%\System32\WindowsPowerShell\v1.0\powershell.exe" ^
-NoProfile -InputFormat None -ExecutionPolicy Bypass -Command ^
"iex ((New-Object System.Net.WebClient).DownloadString('https://git.io/vbItN'))"
```



The screenshot shows the GitHub release page for version v2.2.2, released by `adobeDan` on November 19, 2017. The release notes mention 256 commits since the previous release. The 'Assets' section contains a red box labeled '2' around a list of tar.gz files. The assets listed are:

Asset	Size
<code>example-configurations.tar.gz</code>	10.7 KB
<code>user-sync-v2.2.2-centos7-py275.tar.gz</code>	10.5 MB
<code>user-sync-v2.2.2-centos7-py362.tar.gz</code>	10.4 MB
<code>user-sync-v2.2.2-macosx-py2714.tar.gz</code>	10.5 MB
<code>user-sync-v2.2.2-macosx-py363.tar.gz</code>	10.4 MB
<code>user-sync-v2.2.2-ubuntu1404-py276.tar.gz</code>	10.4 MB
<code>user-sync-v2.2.2-ubuntu1604-py2712.tar.gz</code>	10.4 MB
<code>user-sync-v2.2.2-ubuntu1604-py352.tar.gz</code>	10.4 MB
<code>user-sync-v2.2.2-windows-py2714.tar.gz</code>	11.9 MB
<code>user-sync-v2.2.2-windows-py363.tar.gz</code>	11.8 MB

Below the assets, there are links for Source code (zip) and Source code (tar.gz).

Useful links

Topic	Hyperlink
User Sync Tool Overview	https://spark.adobe.com/page/E3hSsLq3G1iVz/
Setup & Success Guide	https://adobe-apiplatform.github.io/user-sync.py/success-guide/
Technical Specifications	https://adobe-apiplatform.github.io/user-sync.py/user-manual/#prerequisites
GitHub User Sync Tool Download	https://github.com/adobe-apiplatform/user-sync.py
Claiming a Domain	https://helpx.adobe.com/enterprise/using/set-up-domain.html
SSO Configuration	https://helpx.adobe.com/enterprise/help/configure-sso.html
UST Windows Pre-Installer	https://github.com/bhunut-adobe/user-sync-quick-install
Create security certificate for Adobe.io	https://www.adobe.io/apis/cloudplatform/console/authentication/createcert.html
Admin Console Overview	https://helpx.adobe.com/enterprise/help/aedash.html
User Management API	https://www.adobe.io/apis/cloudplatform/usermanagement/docs/gettingstarted.html

UST - Demo Environment Architecture



Single Sign On IDP



Active Directory + UST



Take the Survey to win!

(Survey section of the mobile app)

SESSION PRIZE

one per session

STARBUCKSCARD



\$10 Starbucks Card

DAY 1



Bash Experience

DAY 2



Signed football helmet

DAY 3



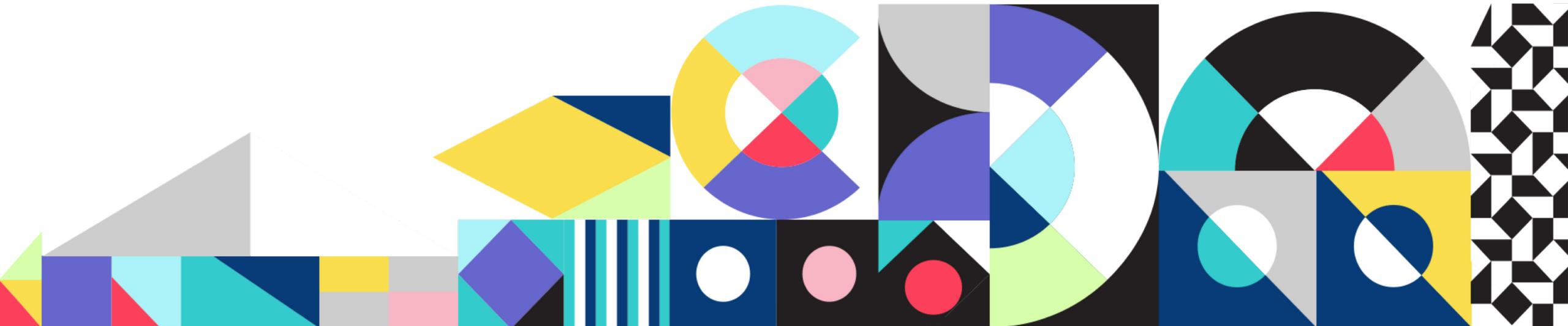
Amazon Echo Show & Cloud Cam Bundle

Q & A

James Lockman
jlockman@adobe.com

Kevin Bhunut
bhunut@adobe.com

Andrew Dorton
adorton@adobe.com

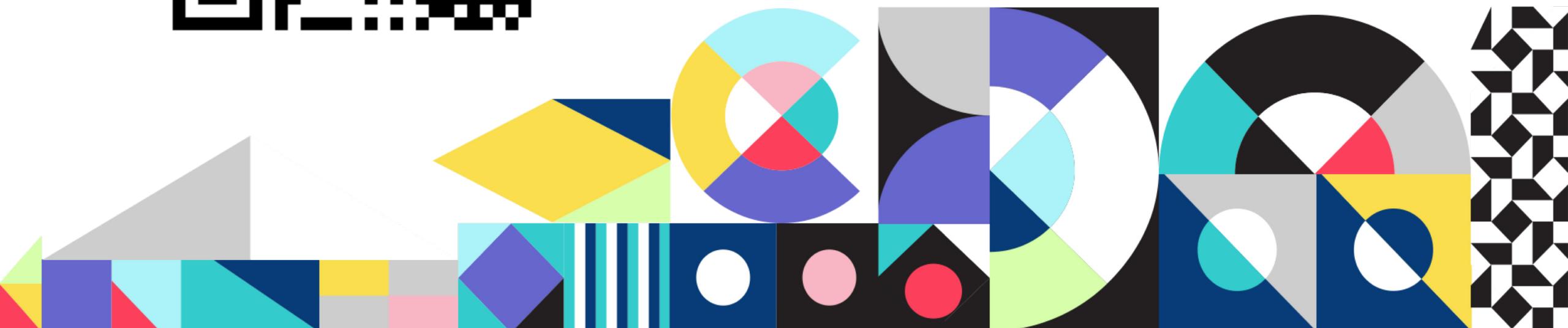


Slide Download



OR

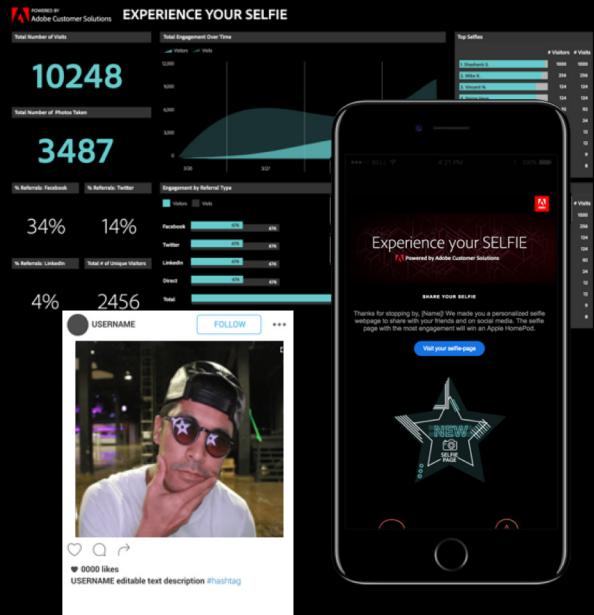
<https://git.io/vxGGT>





Adobe Customer Solutions

JOIN US IN THE COMMUNITY PAVILION



Get your **SUMMIT SELFie!**
Share with friends, earn
badges, and win prizes.



Talk with our
Experience Experts from
Services & Learning.



See live speaker
sessions at the
Experience Theater.

SUMMIT

ADOBE SUMMIT | MARCH 25-29, LAS VEGAS



Adobe

MAKE IT AN EXPERIENCE