

S701 - Synchronizing enterprise users to the Adobe Admin Console

James Lockman | Kevin Bhunut | Andrew Dorton



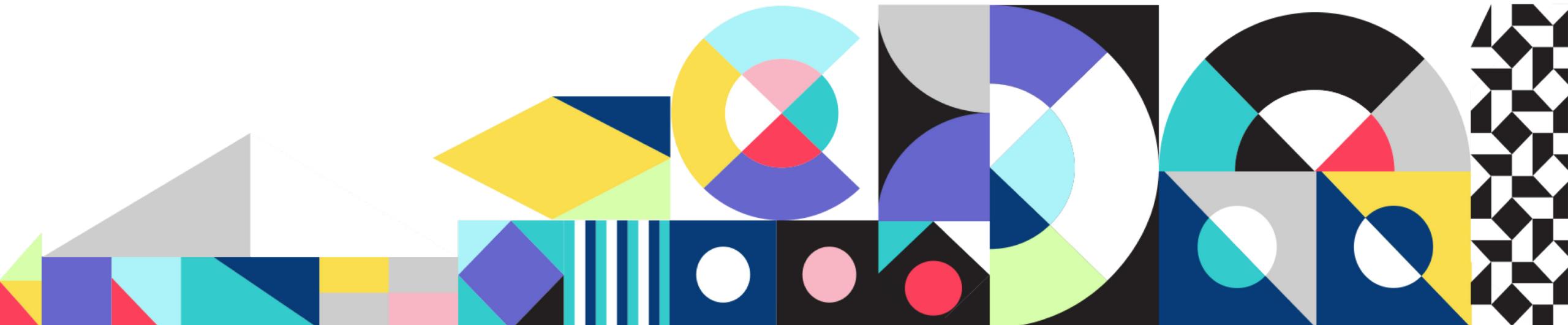
1 | Welcome and Overview

2 | Named User Licensing Overview

3 | User Provisioning Options

4 | User Sync Tool Overview

5 | Demo



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Named User Licensing Overview

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

- Serialization
 - Antique Technology
 - Difficult to manage
 - Creative Cloud / Document Cloud / Learning Solutions
 - 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

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 tabs: Admin Console, Overview (which is selected), Products, Users, Packages, Account, Settings, and Support. To the right of the tabs 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 "Products", there are six cards:

- Acrobat Pro DC**: Shows 0 / 100 licenses used. Includes a "Assign Users" button.
- Adobe Analytics - User Sync - STG**: Shows 4 users. Includes a "Go to Analytics" link and a "Assign Users" button.
- Adobe Sign - Business**: Shows 0 / 100 licenses used. Includes a "Manage Adobe Sign" link and a "Assign Users" button.
- Adobe Stock**: Shows 0 / 100 licenses used. Includes a "Go to Stock Usage Dashboard" link and a "Assign Users" button.
- All Apps plan - 100 GB**: Shows 0 / 100 licenses used.
- Customer Attributes**: Shows 0 / 100 licenses used. Includes a "Go to Marketing Cloud" link.

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

- Add User to Organization
- Add Admin

At the bottom of the page, 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

USERS **12** 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 | |

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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 | |

1 Add User

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

Country

First Name (optional) Last Name (optional)

Cancel Save

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
- Available! Python Library
 - UMAPI-Client

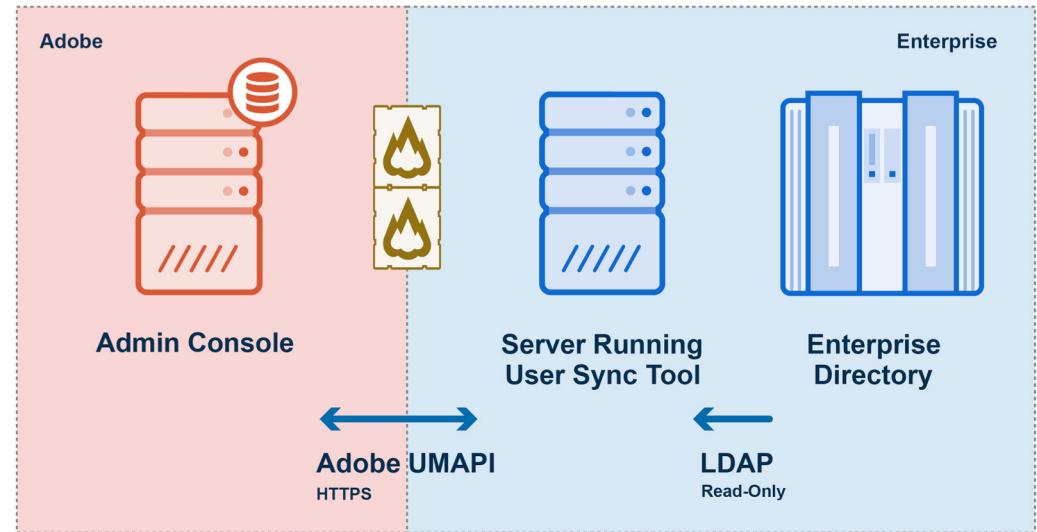
```
===== REQUEST =====
POST https://usermanagement.adobe.io/v2/usermanagement/action/{myOrgID}
----- body -----
[
  {
    "user" : "jdoe",
    "domain" : "myDomain"
    "do" : [
      {
        "createFederatedID" : {
          "email" : "john.doe@myDomain",
          "country" : "US",
          "firstname"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

Adobe User Sync Tool Overview

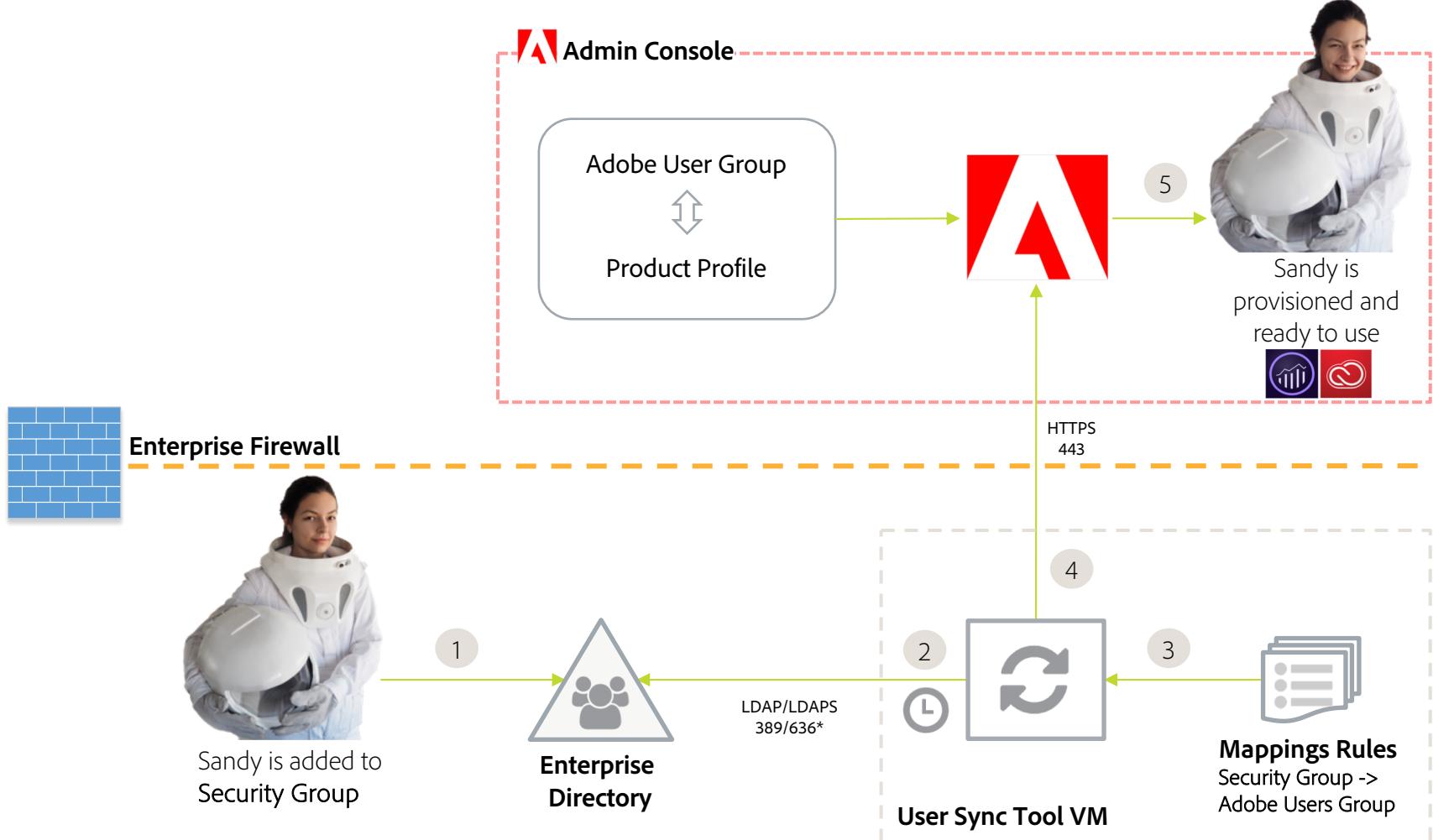
The **User Sync Tool** allows you to automate the process of creating users and product assignments, and keep them up-to-date in the Admin Console by syncing with information from your organization's enterprise directory.

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 frequently 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



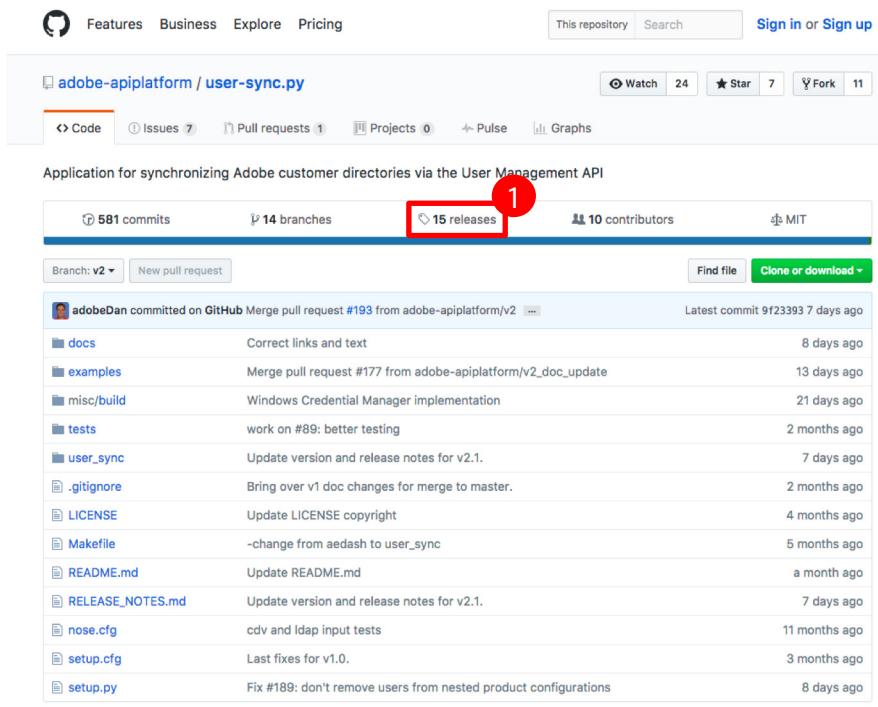
Download

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 box highlights the '15 releases' link in the top navigation bar. Below the navigation bar, there's a summary of the repository: 581 commits, 14 branches, 15 releases (highlighted), 10 contributors, and MIT license. The main content area displays a list of recent commits from `adobeDan`, including merges from `v2` and `v2.1`, and various documentation and code changes. The bottom of the page shows the `RELEASE_NOTES.md` file.

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`. The release was made by `adobeDan` on Nov 19, 2017, with 256 commits since the previous release. The assets section contains several tar.gz files for different operating systems and Python versions. A red box highlights the list of tar.gz files, and a red circle labeled '2' points to the first file, `example-configurations.tar.gz`.

| 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 |

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

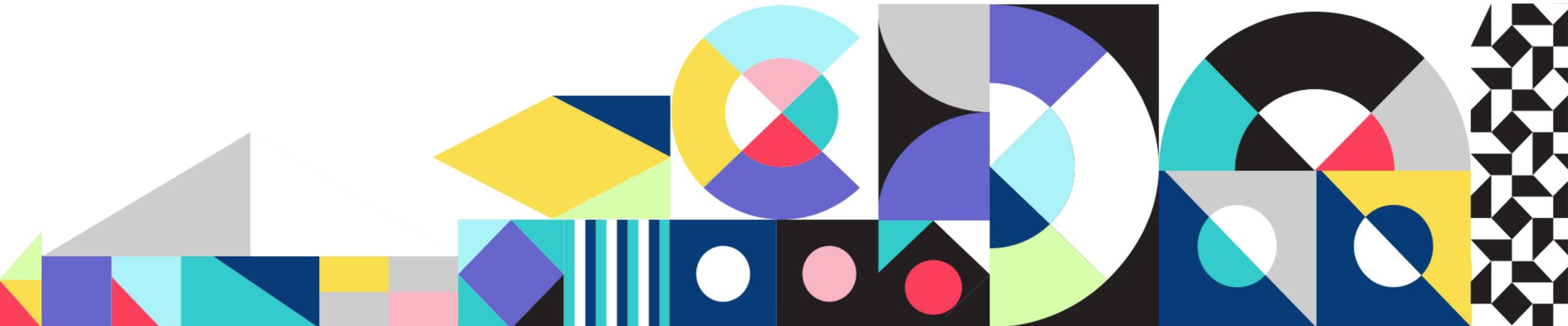


Q & A

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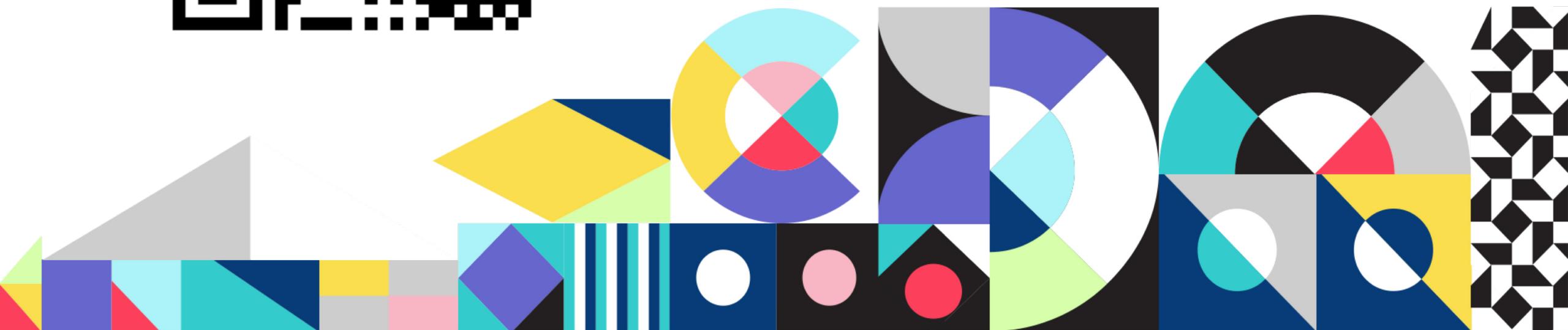


Slide Download



OR

<https://git.io/vxGGT>



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

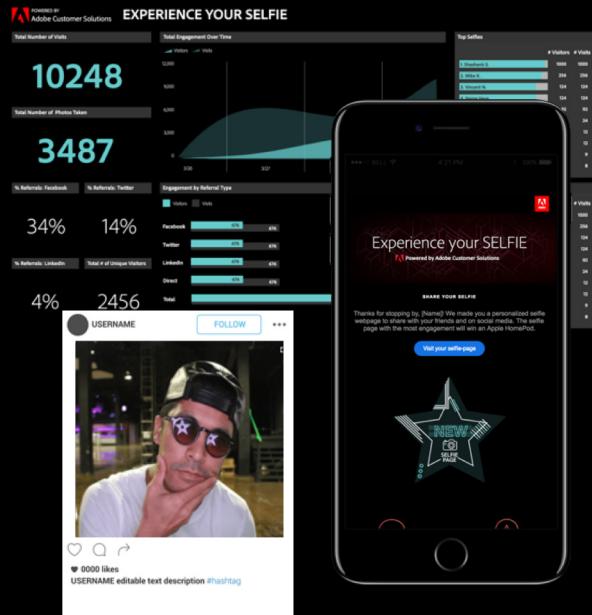


Amazon Echo Show & Cloud Cam Bundle



Adobe Customer Solutions

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