



DEVELOPERS LIVE

AEM Assets Cloud Service – Bulk Import tool

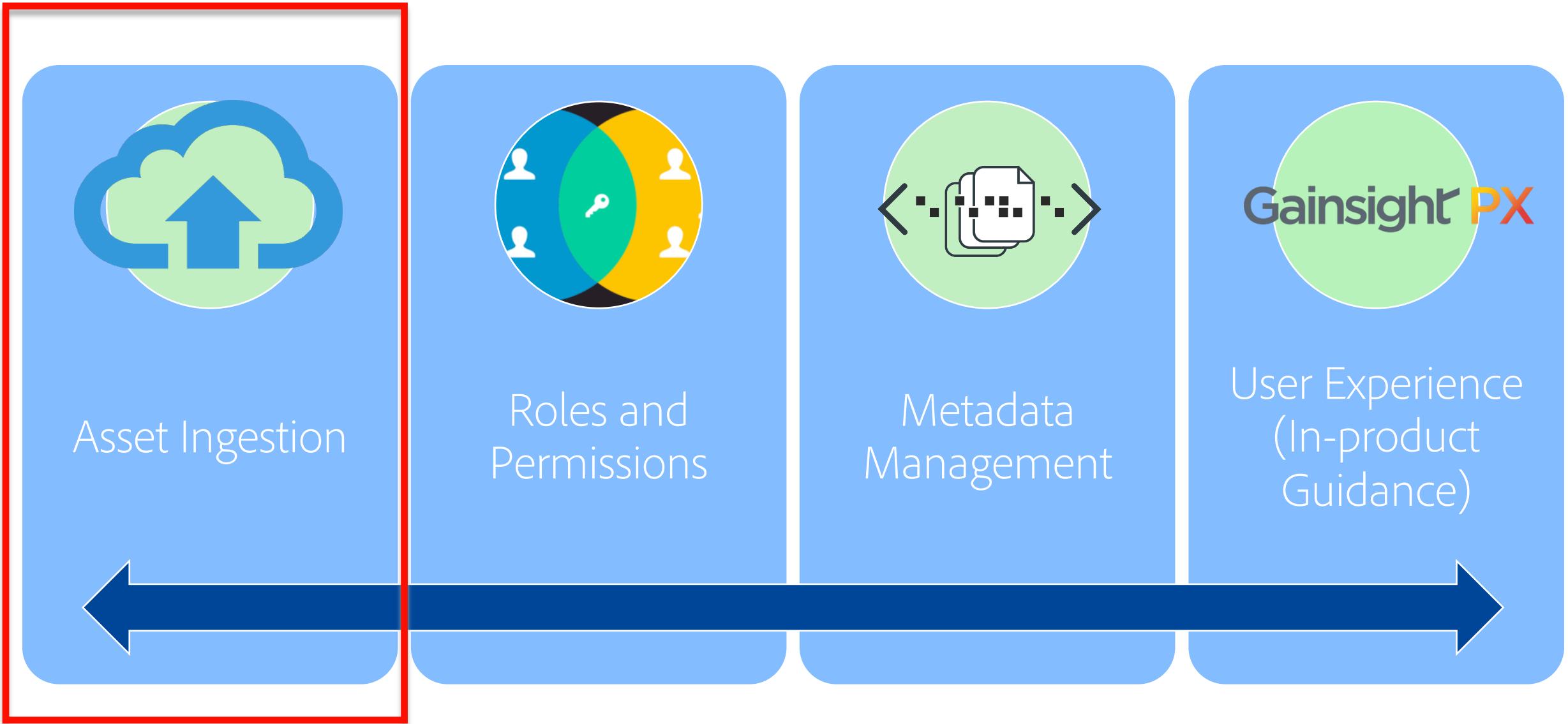
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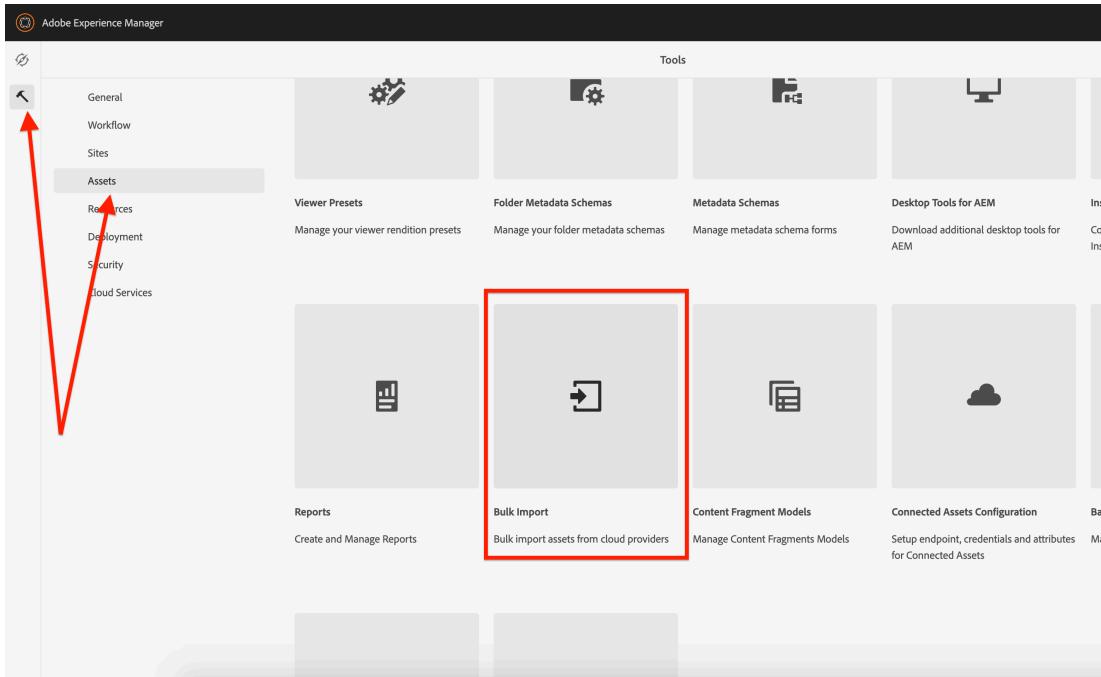
Agenda

- Bulk Import tool overview
- Best Practices
- Architecture
- Demo
- Q&A

Asset 30 Pillars



Bulk Import tool

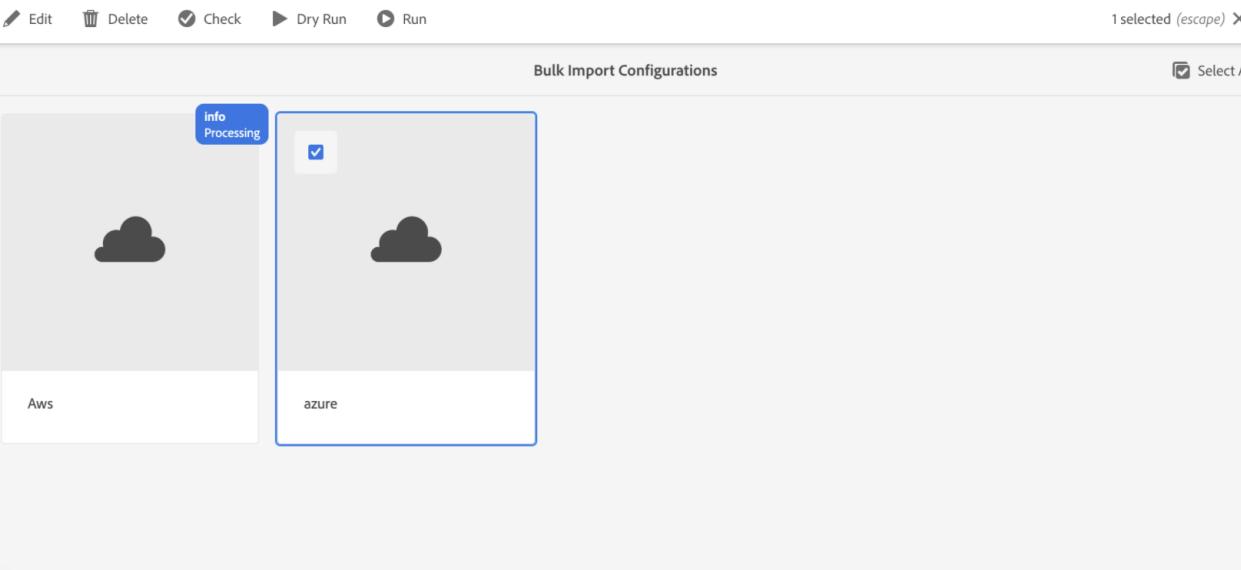


Bulk Import Configuration

This screenshot shows the 'Bulk Import Configuration' page. It includes fields for 'Title *' (empty), 'Import Source *' (set to 'Azure Blob Storage'), 'Source Folder' (empty), 'Filter by Min Size (Megabytes)' (set to 0), 'Filter by Max Size (Megabytes)' (empty), 'Enter Exclude MIME Type' (empty), 'Enter Include MIME Type' (empty), 'Import Mode' (set to 'Skip'), and 'Assets Target Folder' (set to '/content/dam').

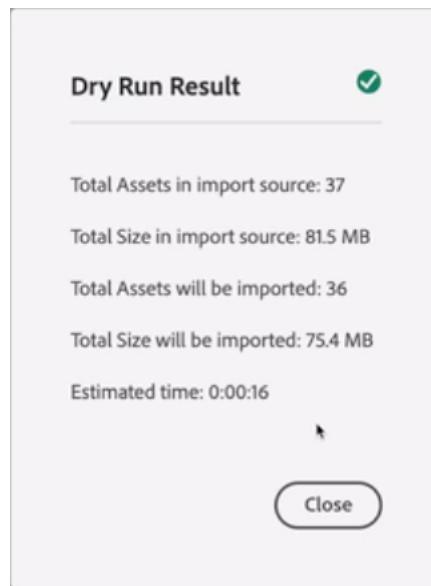
- Located under Tools > Assets > Bulk Import
- Currently supports Azure Blob or Amazon S3
- Behavior controlling properties like size, mime type, import mode
- <https://adobe.ly/3oNngBL>

Bulk Import tool - Running



The screenshot shows the 'Bulk Import Configurations' interface. At the top, there are buttons for Edit, Delete, Check, Dry Run, and Run. A message '1 selected (escape) X' is displayed. Below this, the title 'Bulk Import Configurations' is shown, along with a 'Select All' checkbox. There are two configurations listed: 'aws' and 'azure'. The 'aws' configuration has a cloud icon and an 'Info Processing' status bar. The 'azure' configuration also has a cloud icon and a checked selection box.

Button	Config broken	No Job	Job succeeded&failed	Job running&queued
Edit	✓	✓	✓	✗
Delete	✓	✓	✓	✗
Check	✗	✓	✓	✗
Dry Run	✗	✓	✓	✗
Run	✗	✓	✓	✗
Stop	✗	✗	✗	✓
Job Status	✗	✗	✓	✓
View Assets	✓ * if target folder exists			



- Not all buttons are available on the created configs

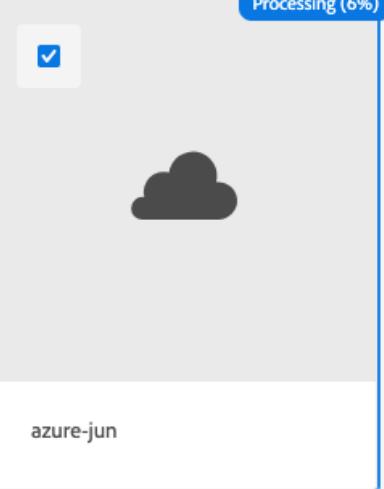
Bulk Import tool – In Progress

Stop Job Status View Assets

1 selected (escape)

Bulk Import Configurations

Processing (6%)



Azure Bulk Import Configuration

Job Title: Background Async Bulk Import

Description: Bulk import of /config/global/settings/dam/import/azure-jun

Job Identifier: 2020/12/15/9/29/31448f7d-a49d-4f8f-90f0-c9787564d43c_1

Created By: admin

Number of steps finished = 0

Delete Stop Close

Async Bulk Import

Details	Status
Job Title: Background Async Bulk Import	Status: Active
Description: Bulk import of /config/global/settings/dam/import/azure-jun	Created: 2020-12-15T17:29:23.593Z
Job Identifier: 2020/12/15/9/29/31448f7d-a49d-4f8f-90f0-c9787564d43c_1	Started: 2020-12-15T17:29:23.646Z
Created By: admin	Finished: Number of steps finished = 0

Job Parameters

parameter is not present

Logs

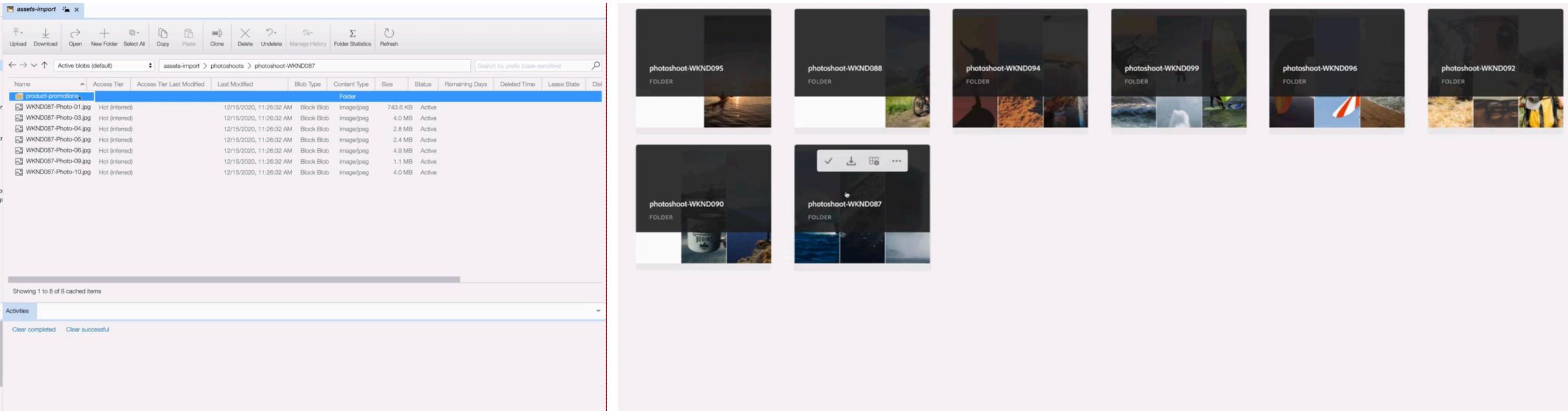
Job Progress Log

```
2020-12-15T09:29:23 Starting bulk import job with Azure blob storage account: dbaperfetst451, container: container-jun-001, folder: /to AEM folder: /content/dam/azure-jun
2020-12-15T09:29:34 Progress: 43/649 (6%), 18.5 MB/1.5 GB, 0:01:59 left
2020-12-15T09:29:47 Progress: 149/649 (22%), 64.5 MB/1.5 GB, 0:01:40 left
2020-12-15T09:30:10 Progress: 199/649 (30%), 85 MB/1.5 GB, 0:01:31 left
2020-12-15T09:29:58 Progress: 172/649 (26%), 73.6 MB/1.5 GB, 0:01:35 left
2020-12-15T09:30:21 Progress: 199/649 (30%), 85 MB/1.5 GB, 0:01:21 left
2020-12-15T09:30:22 Progress: 255/649 (39%), 108.9 MB/1.5 GB, 0:01:20 left
2020-12-15T09:30:32 Progress: 272/649 (41%), 115.5 MB/1.5 GB, 0:01:17 left
2020-12-15T09:30:42 Progress: 361/649 (55%), 148 MB/1.5 GB, 0:01:01 left
2020-12-15T09:30:53 Progress: 440/649 (67%), 1721 MB/1.5 GB, 0:00:47 left
2020-12-15T09:31:10 Progress: 478/649 (73%), 191.4 MB/1.5 GB, 0:00:40 left
```

Job Error Log

- Progress Indicator
- Job Status UI

Bulk Import tool – Importing



The image shows the Adobe Bulk Import tool interface. On the left, there is a detailed file list table with columns for Name, Access Tier, Access Tier Last Modified, Last Modified, Blob Type, Content Type, Size, Status, Remaining Days, Deleted Time, Lease State, and Del. The table lists 10 items under the folder 'product-promotions'. On the right, there is a grid of thumbnail previews for various folders named 'photoshoot-WKND095' through 'photoshoot-WKND092'. A red dashed line highlights the boundary between the two sections.

Name	Access Tier	Access Tier Last Modified	Last Modified	Blob Type	Content Type	Size	Status	Remaining Days	Deleted Time	Lease State	Del
product-promotions				Folder							
WKN087-Photo-01.jpg	Hot (inferred)		12/15/2020, 11:26:32 AM	Block Blob	image/jpeg	743.6 KB	Active				
WKN087-Photo-03.jpg	Hot (inferred)		12/15/2020, 11:26:32 AM	Block Blob	image/jpeg	4.0 MB	Active				
WKN087-Photo-04.jpg	Hot (inferred)		12/15/2020, 11:26:32 AM	Block Blob	image/jpeg	2.8 MB	Active				
WKN087-Photo-05.jpg	Hot (inferred)		12/15/2020, 11:26:32 AM	Block Blob	image/jpeg	2.4 MB	Active				
WKN087-Photo-06.jpg	Hot (inferred)		12/15/2020, 11:26:32 AM	Block Blob	image/jpeg	4.9 MB	Active				
WKN087-Photo-09.jpg	Hot (inferred)		12/15/2020, 11:26:32 AM	Block Blob	image/jpeg	1.1 MB	Active				
WKN087-Photo-10.jpg	Hot (inferred)		12/15/2020, 11:26:32 AM	Block Blob	image/jpeg	4.0 MB	Active				

- The tool mirrors the folder structure in the cloud provider storage
- AEM specific asset processing

Bulk Import tool – Best Practices

- Only available to administrators
- Use the Check button to check if there is any connection issue
- Use the Dry Run button to get your estimates
- Import mode configuration can be your friend – skip, replace, create version
- The folder & asset names are sanitized to be AEM friendly
- Smaller batches FTW!

Assets Bulk Ingestion Performance*

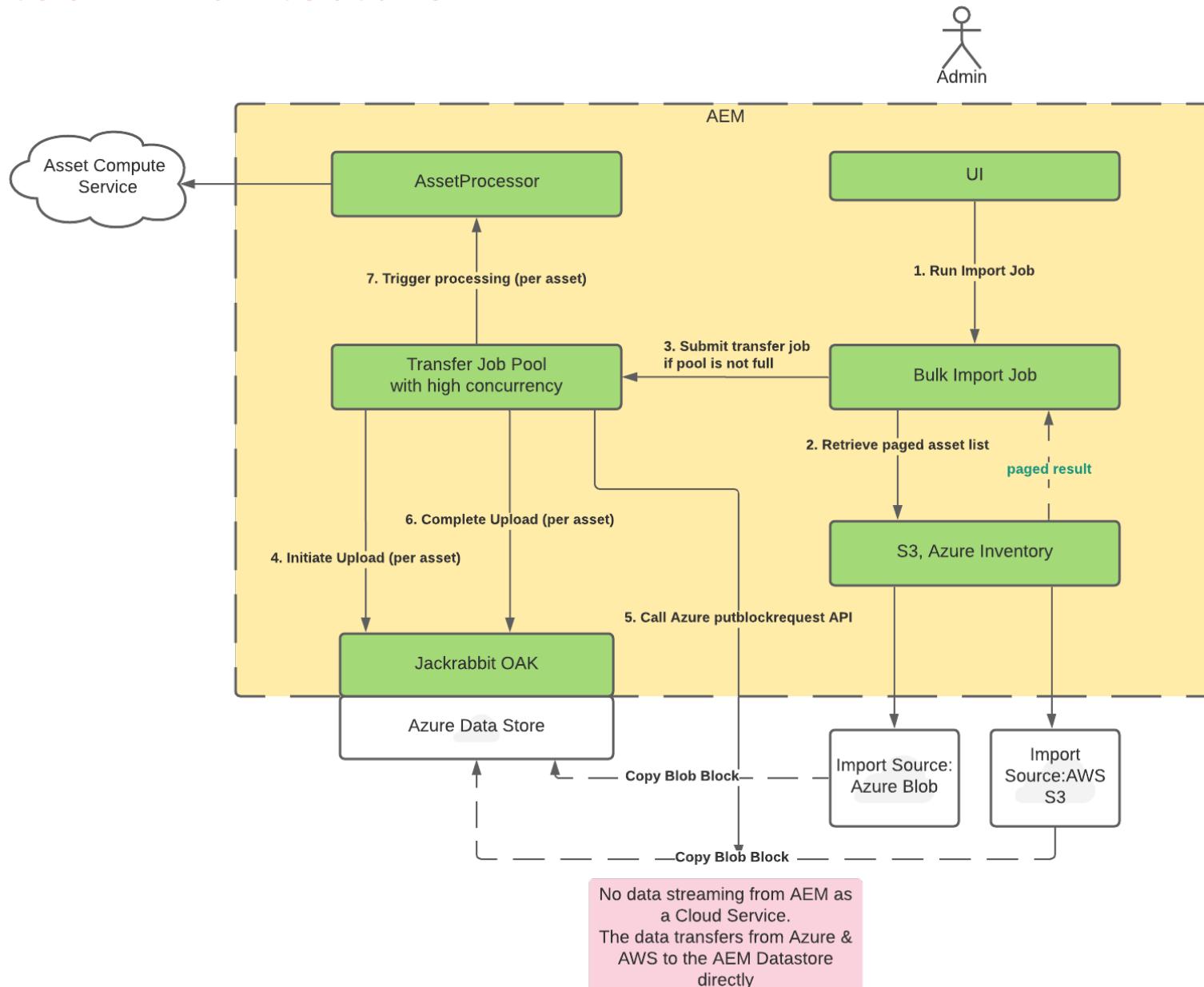
*based on our tests

~20,000 assets/hour

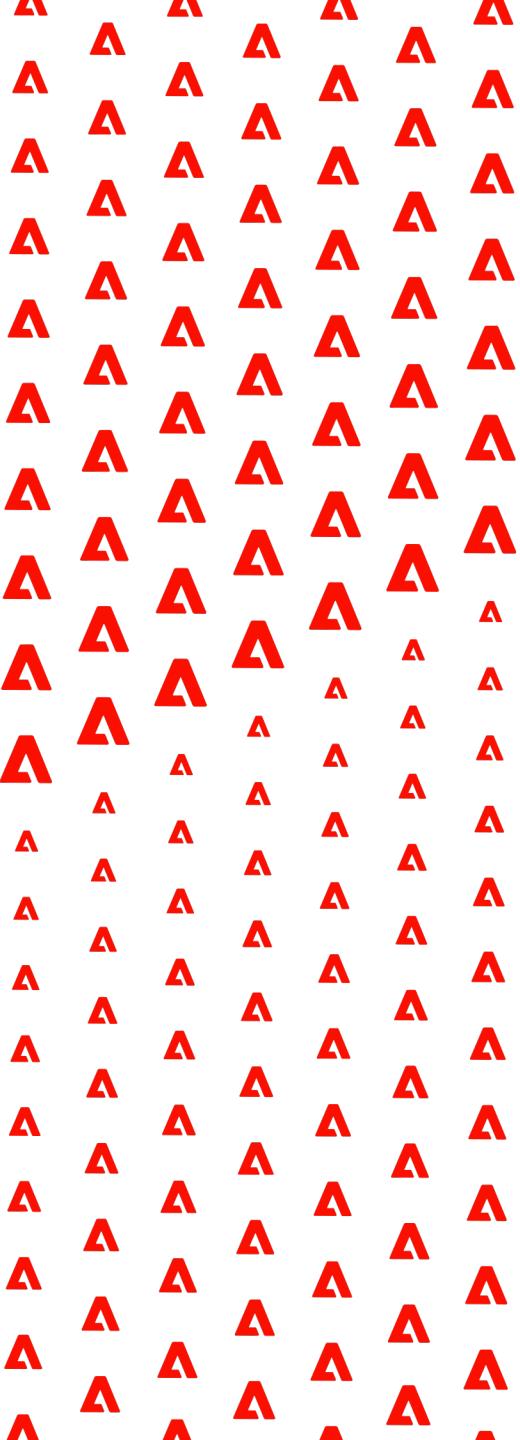
~23 TB of real customer data

0 downtime

Bulk Import tool - Architecture



Demo!



Q&A

