## Install Adobe Experience Manager Locally

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#### Objectives:

- Understand local installation fundamentals
- Install AEM as a Cloud Service Locally
- Install AEM 6.5.x Locally
- Install a service pack

### **Local Installation Fundamentals**

AEM runs on all operating systems that support Java SDK All client interactions with AEM are done through a web browser Development occurs on a local instance of AEM

### Installation Requirements

- quickstart jar file
- A valid AEM license key properties file (6.5 only)
- Java 11
- Approximately 4 GB of free space per Service
- Approximately 4 GB of RAM (at the very minimum!)



### **Install and Start AEM**

"double-click on the jar" is only supported in AEM 6.5 and lower

Command line is recommended

- \$ java -jar [Java options] <quickstart>.jar [AEM options]
- AEM Options can include
   o runmodes, port, launch browser, launch server gui, forked process, unpack and no install, debug
- Learn more by viewing help \$ java -jar <quickstart>.jar -h

# **Install AEM as a Cloud Service Locally**

## **Cloud Service | AEM SDK**

Super-set of tools used to develop for AEM as a Cloud service:

- Quickstart Jar
  - o The AEM runtime used for local development
- Dispatcher Tools
  - o The set of tools used to develop against Dispatcher locally

> OSDisk (C:) > adobe > aem-sdk > aem-sdk-2020.6.3800.20200626T210738Z-200604				
Name	^	Date modified	Туре	Size
aem-sdk-dispatcher-tools-2.0.22-unix.sh		4/28/2020 8:29 AM	Shell Script	7,918 KB
aem-sdk-dispatcher-tools-2.0.22-windows.zip		4/28/2020 8:29 AM	Compressed (zipp	6,383 KB
🖺 aem-sdk-quickstart.jar		6/29/2020 7:21 PM	Executable Jar File	383,413 KB

## Cloud Service | Download

Customer must have a valid maintenance or support contract to gain access to download Redownload every two weeks or as needed

Optionally develop on the specific build that cloud environments are using

• Environment version can be found in Cloud Manager

Download the AEM SDK

• <a href="https://experience.adobe.com/#/downloads/content/software-distribution/en/aemcloud.html">https://experience.adobe.com/#/downloads/content/software-distribution/en/aemcloud.html</a>

Learn about the latest release

• <a href="https://experienceleague.adobe.com/docs/experience-manager-release-information/aem-release-updates/aem-releases-updates.html">https://experienceleague.adobe.com/docs/experience-manager-release-information/aem-release-updates.html</a>

## **Cloud Service | Create the install folder**

- Extract the SDK
  - o Extracted folder contains the quickstart jar
- Install via command line
- \$ java -jar aem-sdk-quickstart.jar -r author,dev -p 4502 -gui
  - Author indicates author service while dev indicates the environment type



Note: The name aem-sdk-<br/>
vild>.jar has been renamed to aem-sdk-quickstart.jar for simplicity.

## Refresh AEM SDK | Quickstart and API

Cloud Service runs on continuous releases

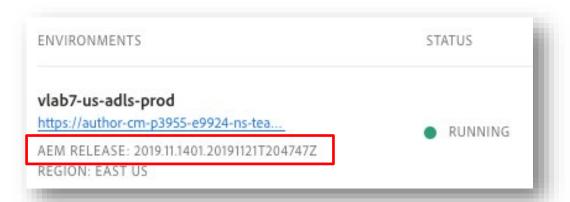
- Daily maintenance releases will have minimal changes in the SDK
- Monthly maintenance releases will typically have more impactful changes

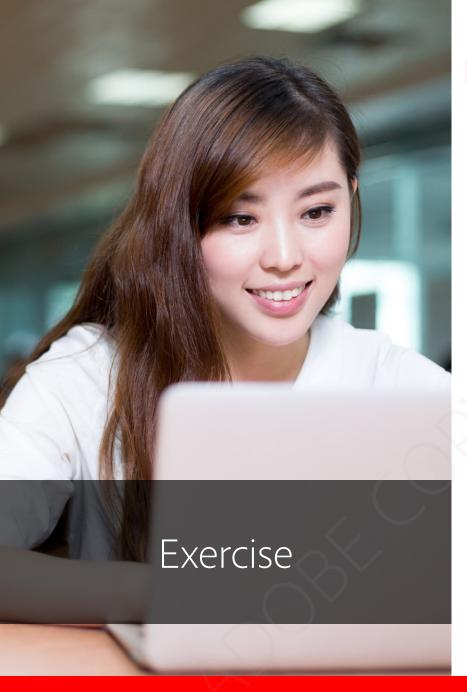
Adobe recommends refreshing the SDK at least after a monthly maintenance release

• When you download a new SDK, update your POM with the same release number

Optionally use same release as Production service

Can easily be found in Cloud Manager





# **Exercise 1: Install the AEM SDK Quickstart Jar**

# **Install AEM 6.5.x Locally**

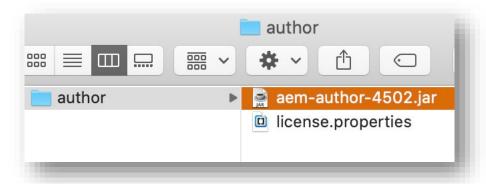
## **AEM 6.5.x** | **Download**

Customer must have a valid maintenance or support contract to gain access to download AEM quickstart jar and license. Properties file

- https://licensing.adobe.com/
- Business partners can email <a href="mailto:spphelp@adobe.com">spphelp@adobe.com</a>

### Dispatcher

• <a href="https://experienceleague.adobe.com/docs/experience-manager-dispatcher/using/getting-started/release-notes.html">https://experienceleague.adobe.com/docs/experience-manager-dispatcher/using/getting-started/release-notes.html</a>



## **AEM 6.5.x | Service Packs**

Available Quarterly

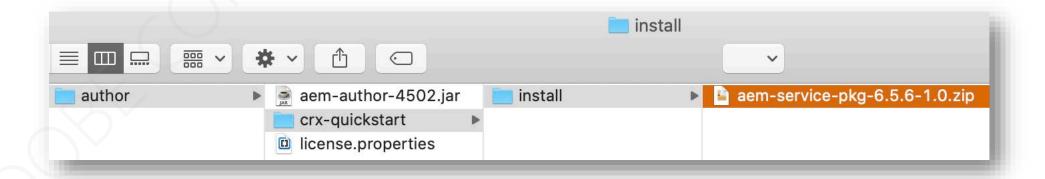
Download latest Service Packs

https://experience.adobe.com/#/downloads/content/software-distribution/en/aem.html

Learn about the latest release

• <a href="https://experienceleague.adobe.com/docs/experience-manager-release-information/aem-release-updates/aem-releases-updates.html">https://experienceleague.adobe.com/docs/experience-manager-release-information/aem-release-updates.html</a>

Can be installed during install or through Package Manager post install

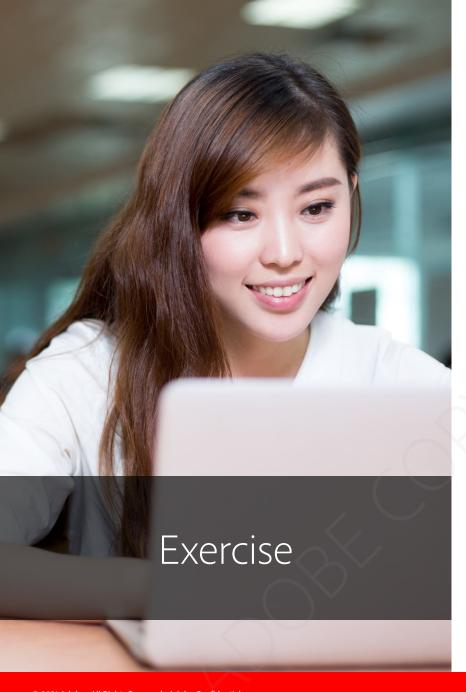


## **AEM 6.5.x** | Create the install folder

- Create folders ~/author/crx-quickstart/install
- Under ~/author add the AEM 6.5 jar file and license file
- Under ~/author/crx-quickstart/install add the desired service pack zip
- Install via command line
- \$ java -jar aem-4502-author.jar -r author,dev -p 4502 -gui
  - Author indicates author service while dev indicates the environment type



You can optionally double click on the jar to start AEM



### **Install AEM 6.5 and Service Pack**

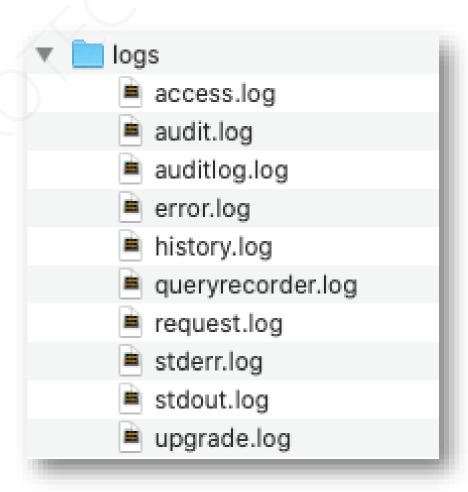
## **AEM Log Files**

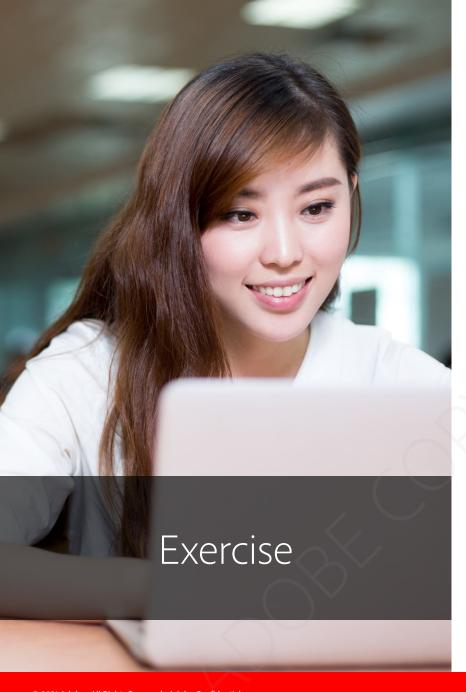
AEM logging is based on Sling logging

Sling logging exports four logging APIs:

- Simple Logging Facade for Java (SLF4J)
- Apache Commons Logging
- Log4j
- java.util.logging

By default, the error, access, history, and request logs rotate once per day





# **Exercise 3: Observe the local log files**



- Local Installation Fundamentals
  - AEM runs on all operating systems that support Java SDK
  - All client interactions with AEM are done through a web browser
  - Development occurs on a local instance of AEM
- Super-set of tools used to develop for AEM as a Cloud service:
  - Quickstart Jar
  - Dispatcher Tools
- AEM 6.5.x
  - AEM quickstart jar and license. Properties file
  - Dispatcher

