

# Adobe

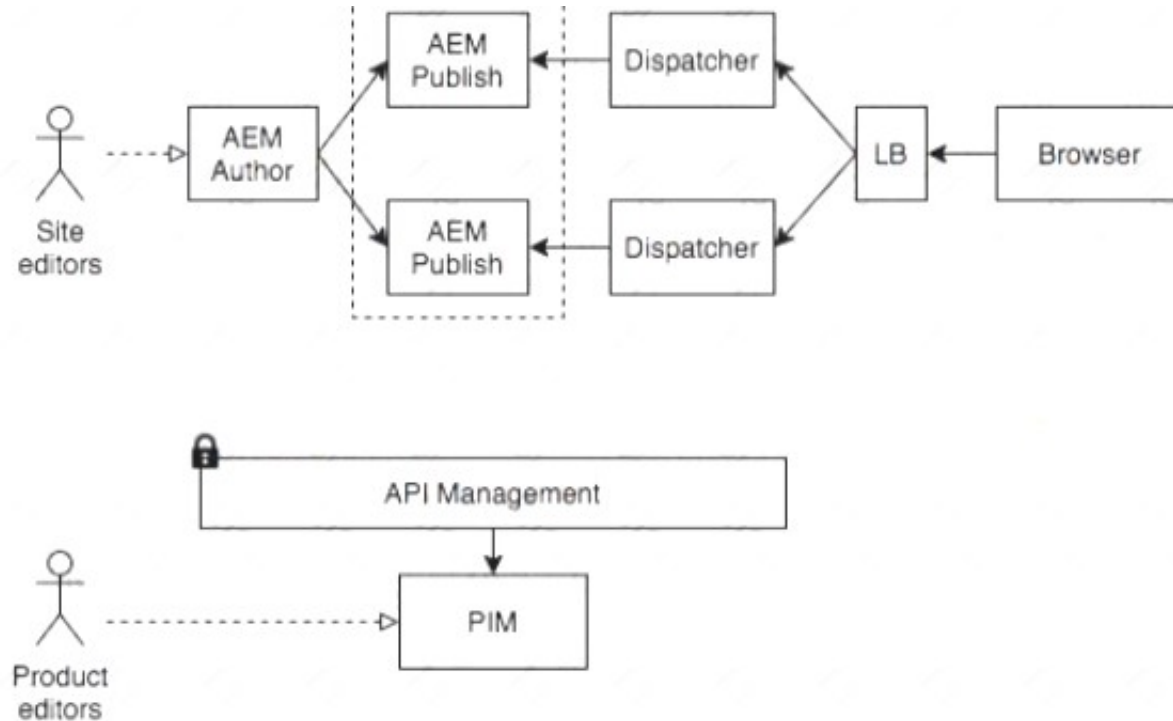
## Exam Questions AD0-E117

Adobe Experience Manager Architect Master



### NEW QUESTION 1

Refer to the exhibit.



A customer with an existing AEM implementation wants to enrich product pages with technical data coming from their PIM system. The PIM system sits behind an API Management solution that publicly exposes the PIM API's as RESTful web services with basic authentication as the security mechanism. Data consistency with the PIM and secure access to the APIs are key elements of the integration. How should the Architect set up the integration between AEM and the PIM?

- A. Integrate the AEM Publishers directly with the API Management solution
- B. Use a client-side integration with AJAX from the browser to the API Management
- C. Import the technical data into the AEM Author and replicate to Publishers
- D. Convert the technical data to Content Fragments and expose using Content Services

**Answer: A**

#### Explanation:

Integrate the AEM Publishers directly with the API Management solution . According to Adobe Experience Manager documentation<sup>1</sup>, a direct integration between AEM and PIM can enable marketers and creative professionals to manage eCommerce-related product data and photography within AEM. A direct integration can also ensure data consistency with the PIM and secure access to the APIs using basic authentication<sup>23</sup>. Option A is the only diagram that shows how AEM Publishers can directly communicate with the API Management solution.

### NEW QUESTION 2

A client is using AEM and wants to make sure they are managing their configurations correctly. Refer to the following requirements:

The client has multiple brands that they will be hosting on a single AEM implementation The client wants to reuse as much between brands as possible

Each brand needs to be able to override the default values for items like contact us information The client plans to support multiple languages in multiple regions for each brand

Each brand/language/region combination will have its own set of content approvers used as part of a custom workflow

Which approach should an Architect recommend to manage the client's configurations for AEM?

- A. Use the OOTB Configuration Browser to set configuration defaults and approval group by brand/language/region combination.
- B. Use Context-aware configurations to manage configuration overrides and approval group by brand/language/region combination.
- C. Use OSGi to manage approval group and provide default contact us information by runmode.
- D. Use OSGi Configuration to handle configuration overrides by bran
- E. Create a new workflow for each brand/language/region combination for content approval.

**Answer: B**

#### Explanation:

"using Context-aware configurations can allow managing configuration overrides and approval group by brand/language/region combination using content policies".

### NEW QUESTION 3

A customer wants to migrate their AEM environment from an on-premise infrastructure to a public cloud to improve performance. The customer currently hosts many assets (images, videos, documents) in the DAM. Approximately 10 business users frequently upload new assets and update existing assets. Editors then use these assets on the sites.

What should an Architect do as part of this migration?

- A. Move to a shared datastore and enable binary less replication
- B. Set up Connected Assets to share the DAM assets in the sites
- C. Set up a horizontally scalable AEM environment on MongoDB
- D. Run online revision cleanup before moving to the new storage format

**Answer: D**

#### Explanation:

"running online revision cleanup before moving to the new storage format can reduce the size of the repository and improve performance".

**NEW QUESTION 4**

An Architect is performing infrastructure and capacity planning for Author servers for a customer using AEM 6.5. Which two factors would lead the Architect to pick a multi-author instance architecture setup? (Choose two.)

- A. Website Traffic handled by servers
- B. Fail safeness of the servers
- C. Number of Parallel Authors
- D. Cache Efficiency on the dispatcher
- E. Types of actions performed by Authors

**Answer:** BC

**Explanation:**

“a multi-author instance architecture setup provides failover and load balancing for author servers. It also allows for scaling up the number of parallel authors who can work on the same content without affecting performance”.

**NEW QUESTION 5**

A customer is about to go live with a new website on AEM on prem. The DNS (www.domam.com) already points to the load balancer of the AEM environment and final sanity checks are being performed. The website was tested in lower environments without SSL. On production, the website is served over https. During sanity testing, all requests result in a 404.

While investigating this issue, an Architect determines the following:

- The requests land on port 443 on the load balancer where SSL is terminated and an HTTP header X-Forwarded-Proto is set
- The website Sling Mapping is created beneath /etc/map/http/www.domain.com.80
- The URLs on the website are externalized with http in the absolute links

Which two actions should the Architect take to resolve this problem? (Choose two.)

- A. Ensure the Sling Mapping exist at /etc/map/https/www.domain.com.80
- B. Ensure the Sling Mapping exist at /etc/map/httpj)mwp<.domain.com.443Configure the Adobe Granite SSL Connector Factory with the correct SSL port
- C. Configure Apache Felix Http Service SSL Filter to use the correct SSL forward header
- D. Ensure the Sling Mapping exist at /etc/map/https/www.domain.com.443

**Answer:** BC

**Explanation:**

“the Sling Mapping should match the protocol and port of the incoming request, which in this case is https and 443. The Apache Felix Http Service SSL Filter should be configured to use the X-Forwarded-Proto header to detect if the request is secure or not”.

**NEW QUESTION 6**

A client is in the discovery process for building a React native app, which is a single codebase that runs natively on iOS and Android. The goal is to reduce development costs. The client wants to reduce content creation costs in the new react Native app by reusing as much of the marketing content already publish in their AEM instance.

What should the Architect recommend to meet this requirement?

- A. Experience Fragments
- B. OSGi Bundles
- C. Sling Resource Resolution
- D. Content Fragments

**Answer:** A

**Explanation:**

“Experience Fragments are reusable pieces of content that can be delivered to any channel, including React native apps. They allow for reusing marketing content already published in AEM”.

**NEW QUESTION 7**

An existing AEM sites platform will receive the latest service pack. The service pack includes functional and non-functional fixes such as security patches. Which action should the Architect take to make sure the update is successful?

- A. Advise the customer to request Adobe to install the fixes directly on production since they are prechecked.
- B. Install the service pack m staging and ensure that all the bundles are up and running, then deploy to production.
- C. Identify the packages affected by the service pack after installing them into production and monitor them.
- D. Do a full staging of the service pack including a regression test, if passed, deploy to production.

**Answer:** D

**Explanation:**

According to Adobe Experience Manager documentation<sup>3</sup>, installing a service pack requires careful planning and testing before applying it to production environments. A full staging of the service pack includes verifying that all customizations and integrations are compatible with the new version, performing a regression test to ensure that all functionalities are working as expected, and validating that there are no performance or security issues.

**NEW QUESTION 8**

A client is modernizing some of their AEM sites to go from static to editable templates so they can use the latest features around has the following parameters:

- The client currently has a dozen static templates that they want to move to editable templates.
- The existing pages use the parsys paragraph system for storing components.
- Each page based on one of the static templates has its own custom properties tab that is unique for that template type.
- The client wants template authors to be able to create the editable templates. Which approach should an Architect use to meet these requirements?

A. \* 1. Use a new page component for editable templates based on the core components page component\* 2. Migrate page properties to respective components dialogues

- B. \* 1. Use a new page component for editable templates based on the core components page component\* 2. Convert page properties to policies  
 C. \* 1. Use the same page components for editable templates\* 2. Use a new template type for each static template  
 D. \* 1. Use the same page components for editable templates\* 2. Create a new editable template based on each of the existing page components

**Answer: A**

**Explanation:**

Use a new page component for editable templates based on the core components page component and migrate page properties to respective components dialogues<sup>12</sup>. According to Adobe Experience Manager documentation<sup>1</sup>, static templates are not considered a best practice and editable templates should be used instead. AEM Modernization tools can help migrate from static to editable templates. Editable templates use core components as their base components<sup>2</sup> using content policies<sup>2</sup>.  
 and page properties can be migrated to component dialogues

**NEW QUESTION 9**

A retail customer with an international presence and both in-store and online sales needs a new assets platform. The customer decides to use AEM assets. The customer's sites will continue to run on their proprietary CMS for websites. The customer wants to be able to scale the platform for spikes in user traffic such as on local sales or online marketing campaigns. Under some circumstances, the customer also has a higher load of editors for a certain period of time. Which architecture should an Architect use for this business case?

- A. An AEM Publish instance on Adobe Managed Services with auto scaling  
 B. An AEM as a Cloud Service Sites with Dynamic Media  
 C. An AEM Assets setup on Adobe Managed Services with Cloud Manager  
 D. An AEM as a Cloud Service Assets setup using the combined CDN for delivery

**Answer: D**

**Explanation:**

"using AEM as a Cloud Service Assets setup using the combined CDN for delivery can provide scalability, performance, and security for asset delivery".

**NEW QUESTION 10**

A customer has an international presence and a strong brand image. The customer considers the exceptional quality images used for both print and on the website to be essential for its business, The customer uses AEM 6.5 managed services with a configuration of 2 dispatchers, 2 publishers, and 1 author. The original images can weigh up to 500Mb with videos weighing even more. Renditions are generated after files are uploaded to AEM DAM by the Design team so the Authoring team can use them on the website. The teams report issues with platform stability and slowness. Visitors report that images look pixelated on some screens and pages are very slow to load. Which two actions should the Architect take to resolve these issues? (Choose two.)

- A. Train the design team to upload smaller assets and save the originals elsewhere  
 B. Allocate more memory to ImageMagick and FFmpeg  
 C. Optimize renditions for the different viewports used by the visitors  
 D. Split AEM Assets and Sites in two different stacks and use Connected Assets  
 E. Add more dispatchers and publishers to the AEM configuration

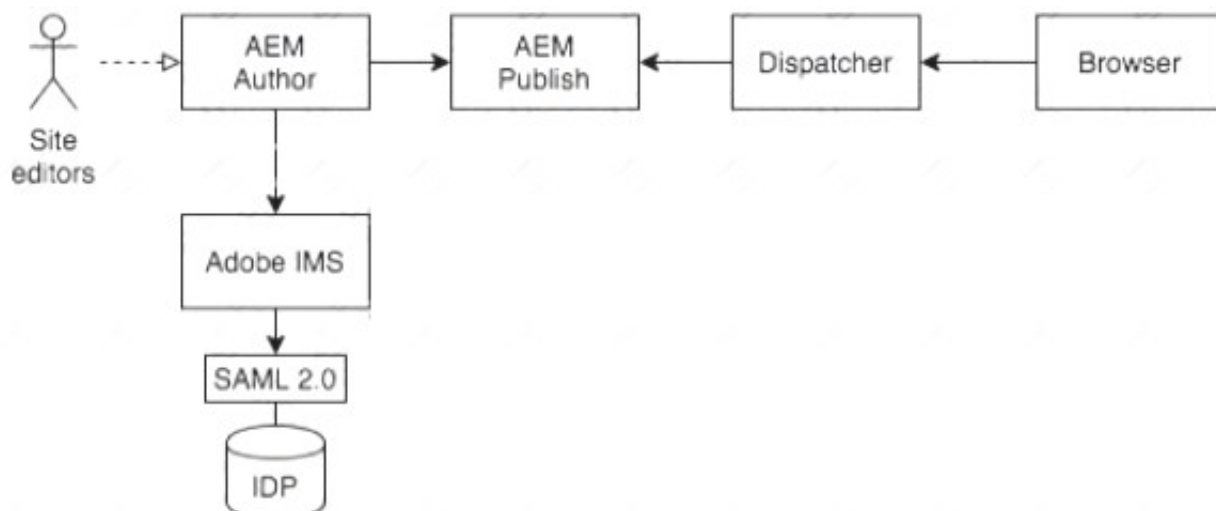
**Answer: CD**

**Explanation:**

"optimizing renditions for different viewports can improve the image quality and page load speed for visitors. Splitting AEM Assets and Sites in two different stacks and using Connected Assets can reduce the load on the author server and improve platform stability".

**NEW QUESTION 10**

Refer to the exhibit.



A customer has SSO on its AEM Author environment using Adobe IMS, which is integrated with the customer's IDP using SAML. The customer plans to roll out a new secured website on AEM where SSO authentication is required for end users. The end user accounts are also managed in the customer's existing IDP. How should the Architect set up the authentication for the website?

- A. Integrate AEM Publisher using SAML with Adobe IMS  
 B. Set up CUG and use User Synchronisation from Author to Publisher  
 C. Integrate AEM Publisher using SAML directly with the IDP  
 D. Integrate AEM Publisher using OAuth with Adobe IMS

**Answer: C**

**Explanation:**

SAML is a common and standard SSO handler that allows a user to access multiple systems after providing authentication credentials once. AEM ships with a SAML 2.0 Authentication Handler that supports signing and encryption of messages, automatic creation of users, and synching groups to existing ones in AEM3. By integrating AEM Publisher using SAML directly with the IDP, the Architect can leverage the existing user accounts and authentication mechanism for the end users of the secured website.

**NEW QUESTION 14**

A customer is migrating from their On-Premises AEM 6.4 instances to AEM as a Cloud Service. Next to the required code refactoring, a content migration of approximately 100,000 pages needs to be performed. The customer wants the content freeze period to be limited so that editors can continue to do content actions as long as possible.

Which two recommendations should the Architect make for the migration of the content pages? (Choose two.)

- A. Migrate the content using Lazy Content Migration approach
- B. Upscale the memory of the On-Premise AEM instance
- C. Migrate content deltas using a query-based packaging tool
- D. Ensure sufficient storage space on the On-Premise AEM instance
- E. Migrate the content using the Content Transfer Tool

**Answer:** AE

**Explanation:**

“migrating the content using Lazy Content Migration approach can reduce the content freeze period by only migrating referenced content” and “migrating the content using the Content Transfer Tool can automate and validate the migration process”.

**NEW QUESTION 16**

A client has an existing AEM site using components that proxy AEM WCM Core Components. The site uses simple page authoring without referenced content. The client wants to create a new experience on another marketing channel. The plan is to use as much of the existing page content as possible to avoid refactoring the current content and to maintain consistency across channels.

Which AEM capability should an Architect use to meet these requirements?

- A. Experience Fragments
- B. Content Fragments
- C. Assets API
- D. Sling Model Exporter

**Answer:** A

**Explanation:**

According to Adobe Experience Manager documentation, experience fragments are reusable pieces of content that can be used across different channels such as web pages, mobile apps, social media, etc. They allow authors to create consistent experiences without refactoring the existing content or creating duplicate content.

**NEW QUESTION 21**

A client's marketing pages are generally slow to load which is causing a significant drop in sales. All other AEM pages load within expected performance guidelines regardless of whether the visitor is being served the desktop or mobile experiences.

The marketing pages typically get slower when multiple external campaigns such as Facebook and AdWords drive traffic to those pages. The page performance tends to dip during high traffic periods. Internal campaign clicks such as those from hero images use similar campaign codes as external campaign traffic.

What should the Architect do to resolve this issue?

- A. Modify the dispatcher.any file's section to ignore campaign-based URL parameters
- B. Set AEM to use GZIP compression instead of the web server's compression
- C. Add a new dispatcher farm to assist with the client's marketing pages
- D. Convert the marketing pages to a responsive design instead of an adaptive design

**Answer:** A

**Explanation:**

Modify the dispatcher.any file's section to ignore campaign-based URL parameters<sup>12</sup>. According to Adobe Experience Manager documentation<sup>2</sup>, dispatcher can be configured to ignore certain URL parameters that do not affect the content of a page. This can improve caching performance and reduce load on AEM servers.

**NEW QUESTION 24**

A client using AEM 6.5 on-premise is experiencing an unsustainable repository growth of 100Gb a day. After investigation, an Architect finds out that the DAM is causing this issue. Each image uploaded to the DAM triggers the creation of approximately 100 renditions, necessary by business to consume in different channels and systems. The client also complains about stale content reported by site visitors happening randomly in pages where article-related components are present. How should the Architect address these issues?

- A. Leverage AEM Adaptive Image Servlet, cache image variations in Dispatcher, and reimplement article-related components to use AJAX to load the content
- B. Split WCM and DAM in separate instances, set up Connected Assets, and re-implement article-related components to use AJAX to load the content
- C. Leverage AEM Adaptive Image Servlet cache image variations in Dispatcher, and implement a cacheTTL in Dispatcher
- D. Split WCM and DAM in separate instances, set up Connected Assets, and implement a workflow to purge all pages affected by an article change in Dispatcher

**Answer:** A

**Explanation:**

According to Adobe Experience Manager documentatio<sup>1n</sup>, the Adaptive Image Servlet is a feature that automatically selects the most appropriate rendition of an image asset based on the size of the container in which it is displayed. This can reduce the number of renditions needed and improve performance and scalability of AEM DAM. Caching image variations in Dispatcher can also help reduce repository growth and network traffic. Reimplementing article-related components to use AJAX can prevent stale content issues by dynamically loading fresh content from AEM without refreshing the whole page.



**NEW QUESTION 26**

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