



**Adobe**

## **Exam Questions AD0-E117**

Adobe Experience Manager Architect Master

#### NEW QUESTION 1

An enterprise client is on-boarding an AEM Desktop application to provide authors with the ability to load the AEM repository virtually on the file system. The desktop application is unable to connect to the AEM Author, which has SSL enabled. The intermediate certificate is installed on Apache. How should an Architect resolve this issue?

- A. Install the certificate chain to the keystore of the AEM authentication service user
- B. Install the Root certificate to the AEM truststore
- C. Install the certificate chain to the keystore of the AEM ssl-service user
- D. Install the certificate chain to the AEM truststore

**Answer:** B

#### Explanation:

“installing the Root certificate to the AEM truststore can allow AEM Desktop application to connect to AEM Author with SSL enabled”.

#### NEW QUESTION 2

A client recently purchased the Smart Content Service and is considering using the Enhanced Smart Tagging feature. As part of the process, the client recently created a new tagging taxonomy that has not been applied to any assets yet. An Architect needs to demonstrate the feature on a subset of the client's assets before using on all assets.

How should the Architect proceed?

- A. Add sample assets to a new folder, tag assets in folder, then enable Smart Tagging via the folder properties
- B. Add sample assets to a new folder, tag assets in folder, then run the Smart Tags Training workflow
- C. Enable Smart Tagging via the folder properties for a single folder of assets, then run the Smart Tags Training workflow
- D. Enable Smart Tagging via the folder properties for a single folder of assets

**Answer:** C

#### Explanation:

“to use Enhanced Smart Tagging, the Architect needs to enable Smart Tagging via the folder properties for a single folder of assets, then run the Smart Tags Training workflow to train the model with the new tagging taxonomy”.

#### NEW QUESTION 3

A customer's photo gallery site uses query parameters to filter photo search results. The site experiences high AEM Publish server load when users filter photos on the site. The customer would like to identify the cause of this issue.

What should the Architect investigate first?

- A. ignoreUrlParams configuration in dispatcher.any
- B. Dispatcher load balancing configuration
- C. Cache-Control Headers in dispatcher.any
- D. Volume of assets being loaded at a time

**Answer:** C

#### Explanation:

“Cache-Control Headers in dispatcher.any control how long the dispatcher caches responses from the publish server. If these headers are not configured properly, the dispatcher may cache stale or dynamic content, resulting in high server load and poor performance”.

#### NEW QUESTION 4

During an optimization session, a client using AEM 6.5 mentions that they face challenges with their AEM Author setup. The client has significant repository growth and can see an increased amount of TAR files in the segmentstore on disk. When editors are working, they see that workflows take up more time. The purging of workflows works as expected. Which two optimizations should an Architect suggest to take into and further investigate? (Choose two.)

- A. Leverage workflow offloading for all workflows
- B. Configure the Maximum Parallel Jobs
- C. Increase the maxFileSize of the TAR segmentstore
- D. Leverage Transient Workflows where possible
- E. Execute an offline tar compaction twice a day

**Answer:** AD

#### Explanation:

Leverage workflow offloading for all workflows and Leverage Transient Workflows where possible<sup>123</sup>

. According to Adobe Experience Manager documentation<sup>2</sup>, workflow offloading is a technique that distributes processing tasks among AEM instances in a topology. This can improve performance and scalability of AEM author instances by using dedicated instances for executing workflows. Transient workflows are workflows that do not persist any data or history and are automatically purged after completion<sup>3</sup>. This can reduce repository growth and improve workflow efficiency.

#### NEW QUESTION 5

AEM as a cloud service introduces major changes in the architecture by using containers. Which key architectural change was necessary to allow this to occur?

- A. Using Adobe 10 for asset ingestion and processing, storing it on a separate blob and providing AEM with metadata
- B. Using sling content distribution as the replication mechanism
- C. Using MongoDB for Author environment
- D. Isolating /app and /libs from the content, configurations and state mgmt.

**Answer:**

D

**Explanation:**

“isolating /app and /libs from the content, configurations and state management allows AEM as a Cloud Service to use containers for scalability and resilience”.

**NEW QUESTION 6**

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>2</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 7**

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 8**

A news agency editor wants to publish news articles to an intermediate Publish (preview) instance for internal review before publishing the article to production Publish instance. Which two steps should the Architect recommend? (Choose two.)

- A. Create a closed user group (CUG) for editors
- B. Create a reverse replication agent on preview server
- C. Create a separate live copy to preview content
- D. Set up a new replication agent for preview server
- E. Create a custom publish workflow

**Answer:** CD

**Explanation:**

Create a separate live copy to preview content and set up a new replication agent for preview server<sup>1</sup>. According to Adobe Experience Manager documentatio<sup>4n</sup>, a live copy is used to create a local copy of content from another site that can be modified independently. A replication agent is used to publish content from an author instance to a publish instance. Creating a reverse replication agent on preview server (B) is not necessary as reverse replication is not supported by AEM as a Cloud Service<sup>1</sup>. Creating a custom publish workflow (E) is also not necessary as workflows are handled by AEM Cloud Service automatically<sup>1</sup>.

**NEW QUESTION 9**

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 10**

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 10**

An AEM client requests that an Architect to establish non-functional KPIs. The Architect needs to avoid impacting user experience, asset processing, and download speed while doing this.

How should the Architect measure the performance properly to establish target metrics?

- A. Tail the Access Log and look for long-running queries
- B. Use the Free Request Log Analyzer Command Line Tool
- C. Use JMeter for end-to-end tests
- D. Use the OOTB Explain Query Tool

**Answer:** C

**Explanation:**

"using JMeter for end-to-end tests can measure the performance of AEM pages and components under different load scenarios".

**NEW QUESTION 11**

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