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## Adobe Experience Manager Architect Master

Adobe AD0-E117

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## QUESTION NO: 1

An AEM Architect is moving existing content from an on-premise AEM to an AEM Cloud Service instance using the Content Transfer Tool. As part of the initial source preparation, the Architect is going to run the offline compaction on the on-premise AEM.

What other two actions should the Architect do to the on-premise AEM before proceeding with the extraction phase? (Choose two.)

- A. Validate that all replication agents are disabled
- B. Verify that wipe mode is enabled
- C. Stop all bundles using the AEM Web Console
- D. Verify that free disk space is at least 1.5x the JCR size
- E. Run datastore consistency check via oak-run

**ANSWER: A E**

### Explanation:

[According to Adobe Experience Manager documentation1](#), before using the Content Transfer Tool, it is recommended to disable all replication agents on the source AEM instance to prevent any content changes during the migration process. [It is also recommended to run a datastore consistency check via oak-run tool2](#) to ensure that there are no missing or corrupted binaries in the source AEM instance.

## QUESTION NO: 2

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”.

## QUESTION NO: 3

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 in 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 documentation3](#), 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.

## QUESTION NO: 4

An Architect needs to design a deployment process without downtime for end users. The system architecture contains an AEM author, two AEM publishers, two publish Dispatchers, and a centrally managed load balancer. The publishers serve some content that cannot be cached.

Which two actions should the Architect take to meet these requirements? (Choose two.)

- A. Connect each publish Dispatcher to one AEM publish
- B. Use each publish Dispatcher to load-balance to both AEM publishers
- C. Deploy software packages by replicating them from author to publishers
- D. Configure the centrally managed load balancer to connect directly to the AEM publisher that is not being dedKyed to
- E. Deploy software package to AEM Publishers one by one

## ANSWER: B E

### Explanation:

“using each publish Dispatcher to load-balance to both AEM publishers can provide high availability and fault tolerance. Deploying software packages to AEM Publishers one by one can avoid downtime for end users”.

## QUESTION NO: 5

A client designs a new experience for one of their brand sites with the following parameters:

- The new experience should behave like a desktop application
- There is a lot of dynamic content in the app
- SEO and initial page load are a top concern for the client
- The client's marketing team needs to be able to author the content with a WYSIWYG editor

Which approach should the Architect use to meet these requirements?

- A. Use AEM as a headless CMS
- B. Use the traditional server side components on the website
- C. Use the SPA Editor SDK with Server Side Rendering
- D. Create a set of API-driven components

**ANSWER: C**

### Explanation:

“the SPA Editor SDK with Server Side Rendering allows for creating dynamic web applications that behave like desktop applications while also supporting SEO and initial page load performance. It also enables marketing teams to author content with a WYSIWYG editor”.

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## QUESTION NO: 6

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: B C**

### 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”.

## QUESTION NO: 7

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: A E**

### 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”.

## QUESTION NO: 8

A large retail customer is building their ecommerce platform on AEM. Several third-party vendors sell products through their site. Those vendors need to review and verify the content close to production before the content goes live and the customer wants to provide them a restricted environment.

Which approach should the Architect recommend?

- A. Give third-party vendors access to the Author Server
- B. Use the Preview Capabilities of AEM Author Server
- C. Export content as PDF and share with the vendors
- D. Add a Publish (preview) Server and provide access

**ANSWER: D**

### Explanation:

[According to Adobe Experience Manager documentation1](#), a publish (preview) server is a publish instance that is used for previewing content before it goes live on the production server. This can be useful for verifying content with third-party vendors or other stakeholders who need restricted access.

## QUESTION NO: 9

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  
Add more dispatchers and publishers to the AEM configuration

**ANSWER: C D**

**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”.

**QUESTION NO: 10**

An AEM customer is designing a new website. The design shows that images are very prominent on the website but there is a concern about the big variety of aspect ratios used. Images can potentially be used on different places and components on the website. The customer is looking for a maintainable solution to limit the amount of content editing work when adding the assets to the pages.

Which solution should an Architect recommend?

- A. Integrate with Dynamic Media (Scene 7) and enable smart cropping
- B. Use inline cropping feature of the image component on the pages
- C. Use the cropping feature on the asset in the AEM DAM
- D. Integrate with Dynamic Media (Scene 7) and enable smart imaging

**ANSWER: D**

**Explanation:**

“integrating with Dynamic Media (Scene 7) and enabling smart imaging can optimize the image delivery for different devices and screen sizes without requiring manual cropping”.