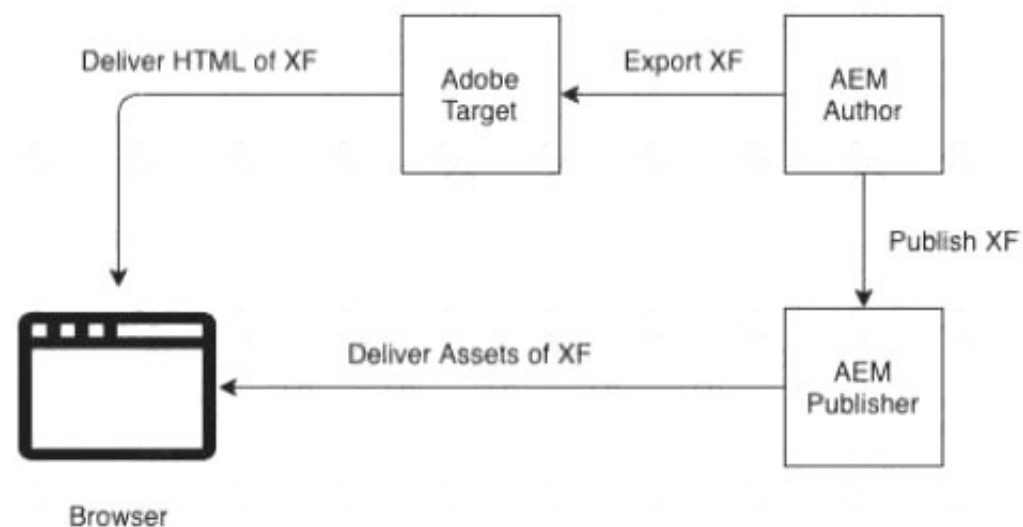# Adobe

Exam Questions AD0-E117
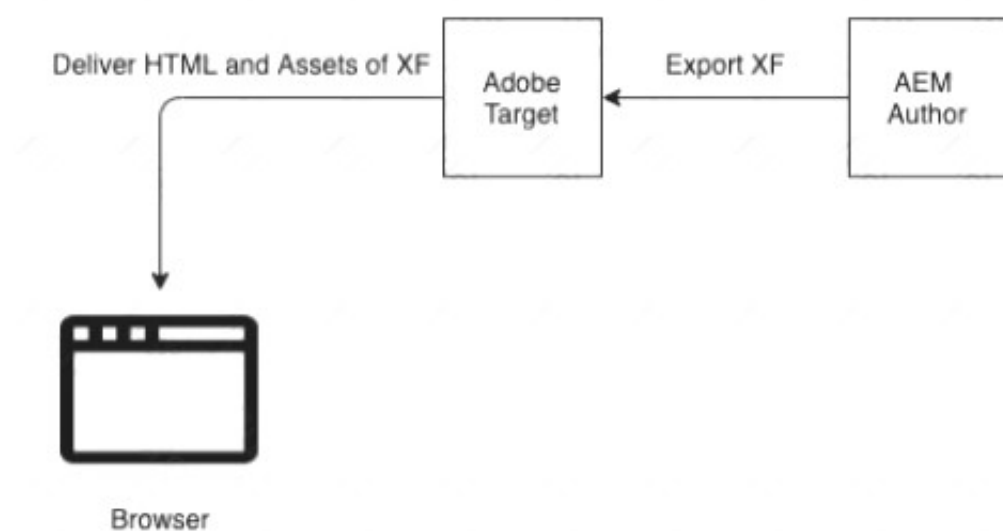
Adobe Experience Manager Architect Master

NEW QUESTION 1

A financial sector client is using AEM 6.5 on premise. The creative team needs to create the content for the various marketing campaigns that are scheduled. The client wants to use Experience Fragments (XF) to accelerate content creation for marketing purposes.
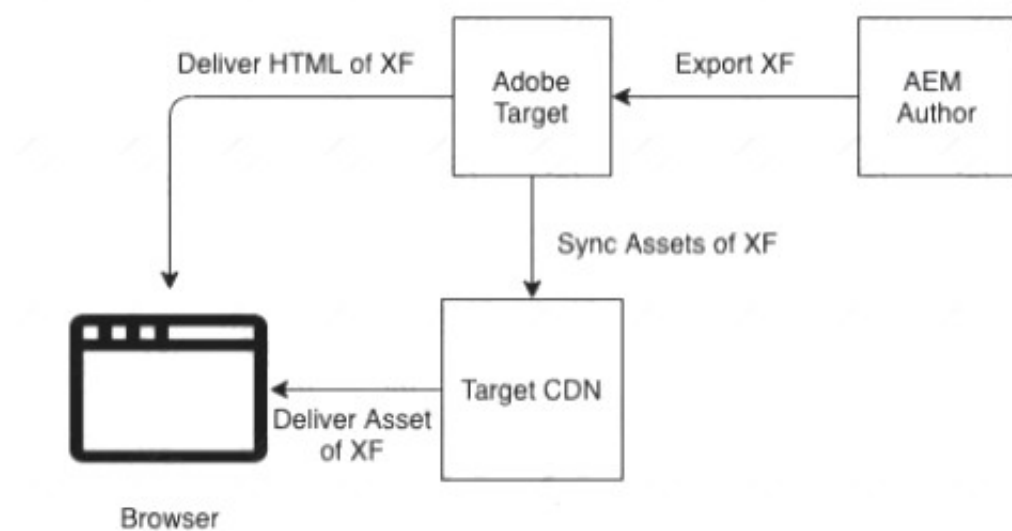
Which Data flow diagram should an Architect use to communicate requirements to the client network team? A)

B)

C)
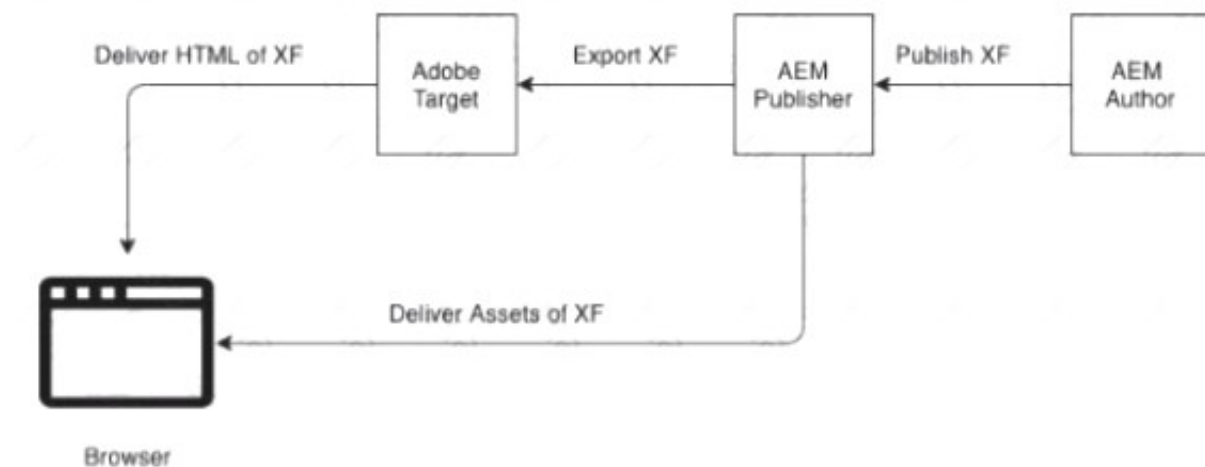

D)

A. Option A
B. Option B
C. Option C
D. Option D

Answer: B

Explanation:

A data flow diagram (DFD) is a graphical representation of the flow of data through a system. It shows how data is input, processed, stored, and output in a

system. A DFD can be used to communicate requirements to the client network team by showing them how data flows between different components and entities in the system.

NEW QUESTION 2
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: BE

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".

NEW QUESTION 3
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 4
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 5
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".

NEW QUESTION 6
A user is part of the Employees LDAP group synchronized with AEM. The same user is added to the authors group in AEM. The user is then removed from the Employees group on the LDAP server.

What is the result during the next synchronization with AEM?

A. The user is removed from both the Employees and the AEM authors groups
B. The user is removed from the authors group but not the Employees group in AEM
C. The user is removed from the Employees group but not the authors group in AEM
D. The user is not removed from either the Employees and the AEM authors groups

Answer: A

Explanation:
"if a user is removed from an LDAP group that has been synchronized with AEM, then that user will be removed from all AEM groups that they are a member of".

NEW QUESTION 7
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 8
During the implementation of a public-facing website based on AEM as a Cloud Service, the customer raises an additional requirement to have a commenting functionality for end users implemented on the pages.
What should the Architect do to make the design a future proof solution?

A. Save comments in JCR and leverage Sling Distribution to synchronize comments between publishers
B. Integrate a third-party solution to store comments externally
C. Use MongoDB as provided with AEM as a Cloud Service to store the comments
D. Save comments in JCR and leverage reverse replication to synchronize comments via author

Answer: B

Explanation:
"integrating a third-party solution to store comments externally can provide a future proof solution that does not depend on AEM as a Cloud Service limitations or changes".

NEW QUESTION 9
A large AEM enterprise site is implementing authentication and requires a true optimal load balancing across the site's multi AEM publish instances. Which approach should an Architect take to meet this requirement?

A. Configure Sticky Connections
B. Configure the Dispatcher to run with a Dedicated System Usei
C. Enable Encapsulated Token Option
D. Enable Round Robin processing in Dispatcher configuration

Answer: C

Explanation:
"enabling Encapsulated Token Option can provide optimal load balancing across multiple AEM publish instances by using a token-based authentication mechanism".

NEW QUESTION 10
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 10

A company is implementing a new e-commerce site that is expected to get seasonal and flash-sale induced traffic peaks from all over the world. It is projected that a minute of downtime could cause excessive lost revenue. The company management wants to keep resource utilization to optimal levels without experiencing degradation to avoid introducing bugs in the system.
The Architect needs to choose between AEM 6.5 and AEM as Cloud Service.
What are the two most critical non-functional requirements the Architect must consider? (Choose two.)

A. Scalability
B. Availability
C. Reliability
D. Maintainability
E. Usability

Answer: AB

Explanation:
According to Adobe Experience Manager documentation3, AEM as Cloud Service provides scalable and resilient architecture that can handle traffic peaks and ensure high availability. AEM 6.5 requires manual scaling and backup strategies to achieve the same level of performance and reliability.

NEW QUESTION 11
A customer has a website with 10,000 pages and wants to improve performance. Which option should be used?

A. Specify a wildcard allow rule in the invalidate section
B. Advise to use URL parameters instead of sling selectors
C. Decrease .stat file level from the default
D. Increase .stat file level from the default

Answer: D

Explanation:
"increasing .stat file level from the default can improve performance by reducing the number of requests to AEM publish instances".

NEW QUESTION 15
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 17
In a client's test environment AEM QA Testers from multiple groups and regions are testing and making requests to the AEM application. Due to the sheer number of hosts making connections, an Architect needs a quick and easy way to allow any hosts to make requests to the AEM application.
Which approach should the Architect take to meet this requirement for this non-production environment?

A. Add GET as a Filter Method in the Apache Sling Referrer OSGi Configuration
B. Use Allowlists instead of Blocklists in the Dispatcher Configuration
C. Restrict Clients that can flush the cache in the Dispatcher Configuration
D. Enable Allow Empty in the Apache Sling Referrer OSGi Configuration

Answer: D

Explanation:
"enabling Allow Empty in the Apache Sling Referrer OSGi Configuration can allow any hosts to make requests to the AEM application without checking the referrer header".

NEW QUESTION 20
A retail customer with an international presence and both in-store and online sales needs a new assets platform. The customer decides to use A£M 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 22
Users report cases where data inaccuracies are present in an AEM component that relies on AEM Search functionality. The AEM platform utilizes Lucene as its main search engine.
How should an Architect resolve this issue?

A. Add search indexes to Lucene search engine
B. Change the search engine to Property Search
C. Scale up server resources to meet demands
D. Migrate search engine to an external Solr instance

Answer: A

Explanation:
"adding search indexes to Lucene search engine can improve the performance and accuracy of AEM Search functionality".

NEW QUESTION 27
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 29
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 33
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 documentatio1n, 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 37
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