Exam Questions AD0-E117

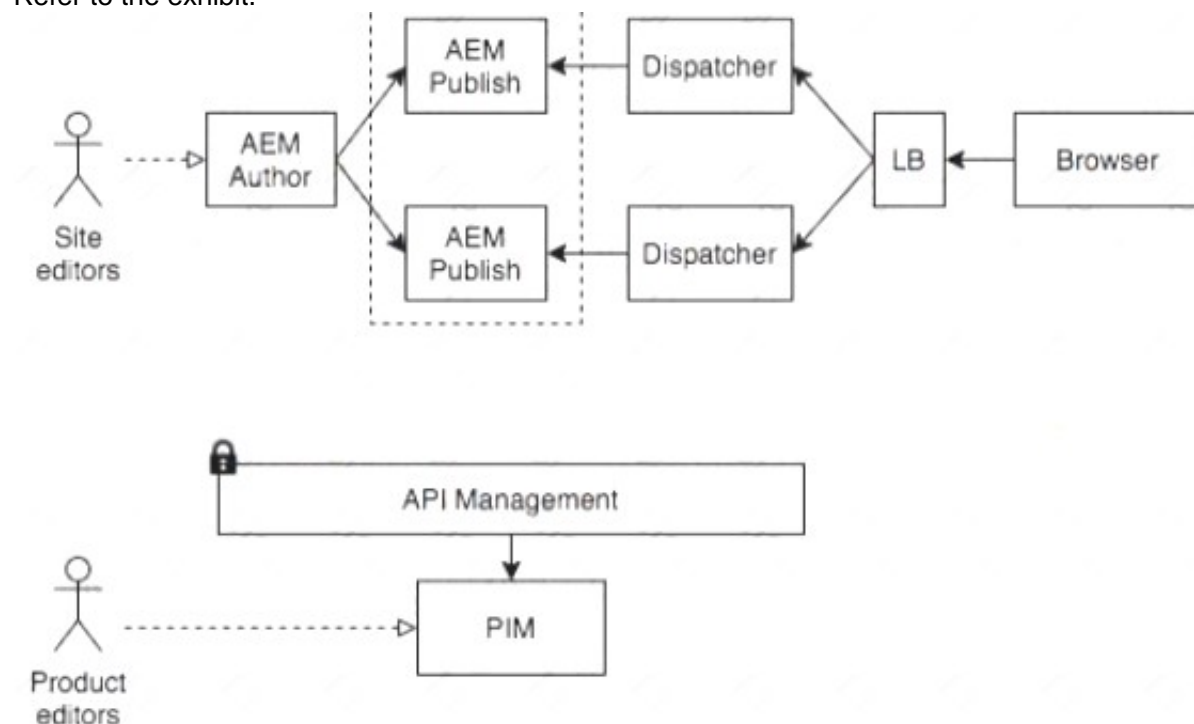Adobe Experience Manager Architect Master

https://www.2passeasy.com/dumps/AD0-E117/

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 documentation1, 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 authentication23. Option A is the only diagram that shows how AEM Publishers can directly communicate with the API Management solution.

NEW QUESTION 2
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 3
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 4
A media company surveys the end users of their AEM Sites website. The survey identifies that it is difficult to locate content on the site due to lack of relevancy and slow performance when navigating through the large volume of content.
To address both issues, the business team suggests integrating an innovative taxonomy product to the company s AEM implementation. The product is new on

the market and the development team has no experience with the technology.
Which two steps should an Architect recommend to evaluate this new feature? (Choose two.)

A. Develop the integration as proof of concept with sample content
B. Test usability of the feature with selected business users
C. Develop the integration and deploy it to 50% of the production AEM instances
D. Develop the integration as proof of concept with full production content
E. Test usability of the feature withselected end users

Answer: AE

Explanation:
"developing a proof of concept with sample content allows for testing the feasibility and performance of the integration without affecting production data. Testing usability with selected end users allows for validating the relevancy and user satisfaction of the feature".

NEW QUESTION 5
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 6
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 7
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 8
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 9
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 took 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 possible123
. According to Adobe Experience Manager documentatio2n, 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 3. This can reduce repository growth and improve workflow efficiency.

NEW QUESTION 10
A large digital agency has 10 TB of assets in their DAM where renditions for each Asset must be created without affecting performance for the authors. Which capability should the Architect recommend to meet the requirements?

A. Reduce the number of AEM Asset versions
B. Create AEM multi-threaded workflow
C. Use AEM Asset Offloading
D. Update dispatcher configuration to cache Assetsa

Answer: C

Explanation:
"AEM Asset Offloading allows for delegating asset processing tasks such as rendition generation to a separate AEM instance or service. This reduces the load on the author servers and improves performance for authors".

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 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".
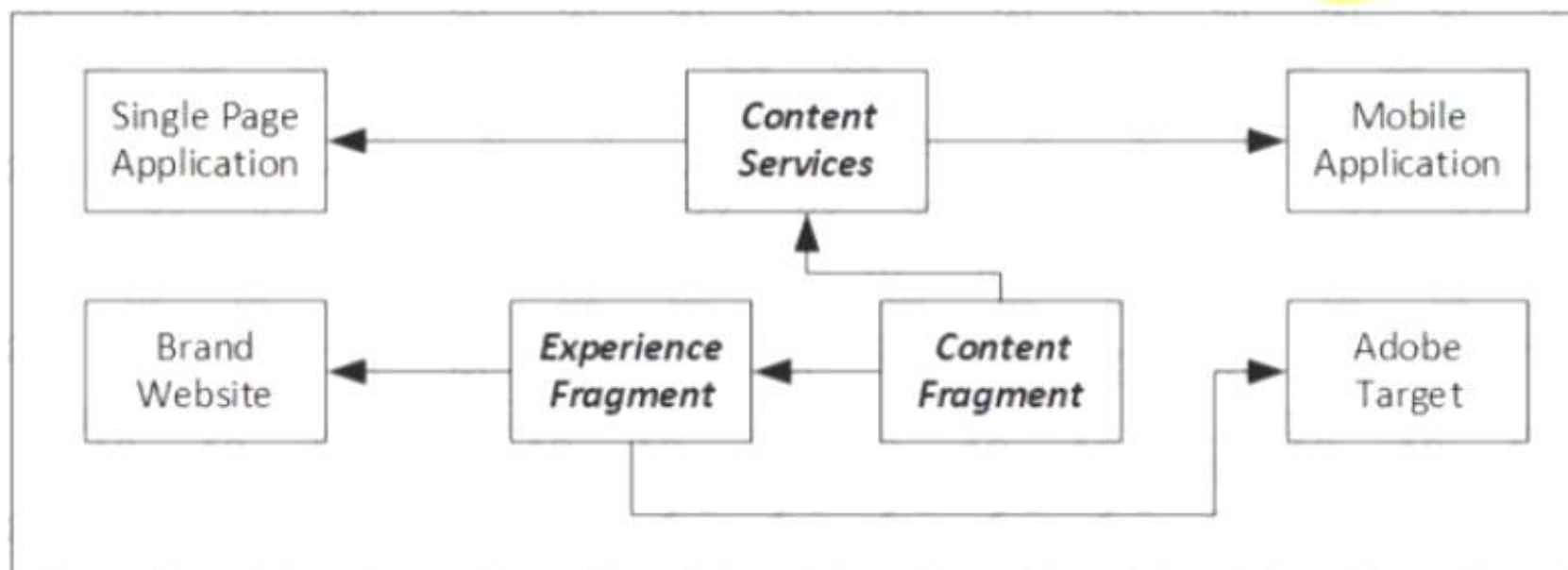
NEW QUESTION 19
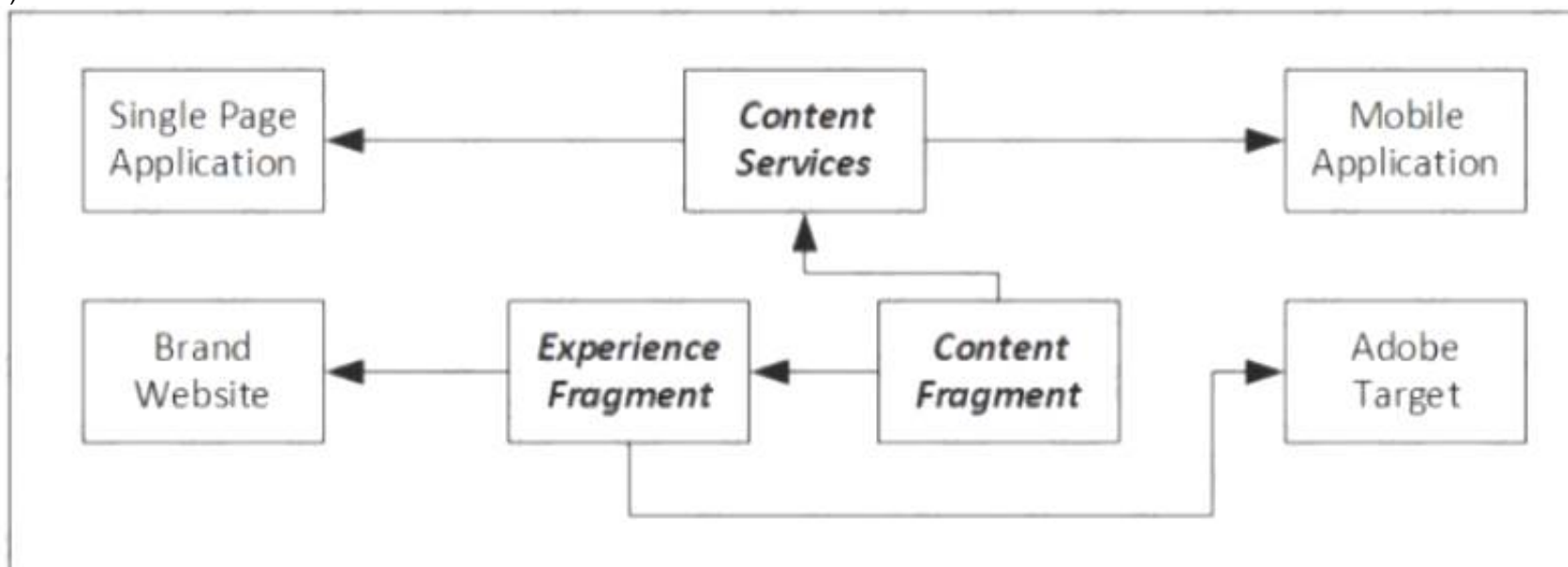A media company wants to use AEM as content hub for multiple customer touch points:
• Brand-specific marketing websites hosted on AEM Sites
• Single Page Applications using headless content
• Native mobile applications
• Content offers in Adobe Target
The company wants to manage its content efficiently with its small editor staff. Text should be entered and reviewed only once, then reused for all touch points.
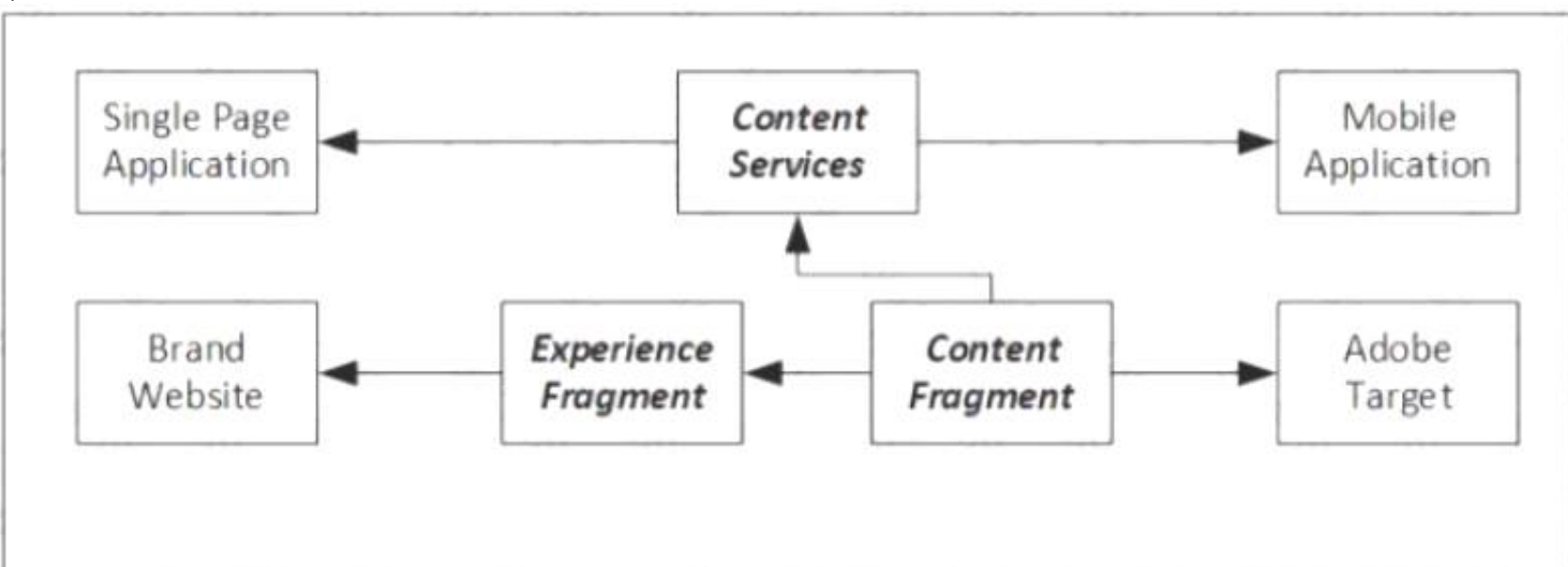How should an Architect incorporate these requirements into a solution that leverages AEM Sites features? A)
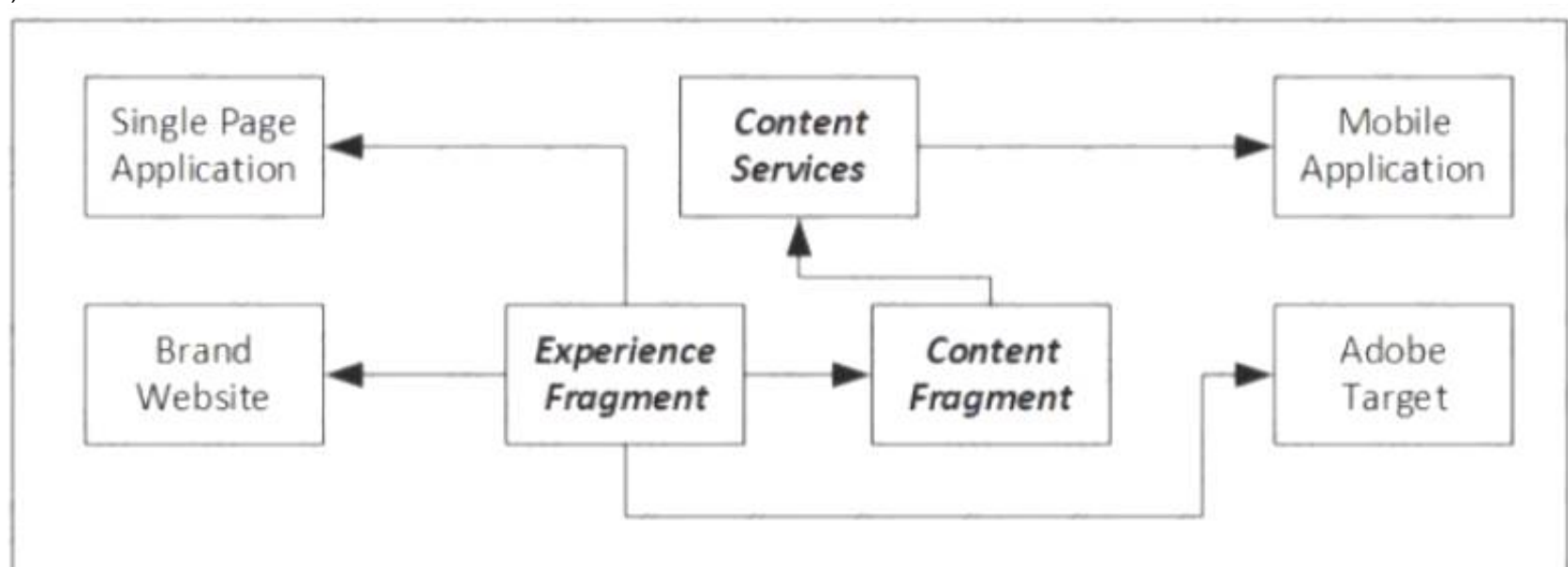
B)

C)

D)

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

Answer: B

Explanation:
AEM content fragments are pure content with structured data that can be used to describe and manage content for multiple channels123. Content fragments can be exposed as JSON via AEM Content Services and API Pages for headless delivery4. Content fragments can also be used in AEM Sites pages with different layouts and designs using the style system5. Option B is the only diagram that shows how content fragments can be created and reused for all touch points using AEM Sites features.

NEW QUESTION 21
A client's site does not show the latest page content for some site visitors. The client has two data centers with each configured with a Dispatcher connected to two Publish machines. The site load issue only occurs intermittently for visitors from one of the data centers.
Which step should the Architect take to resolve the issue?

A. Disable caching on all impacted data centers Dispatchers to force the Publish machines to serve the page content
B. Check the Publish instance(s) attached to the Dispatcher associated to the impacted data center
C. Check the SSL certificate on the impacted data center's load balance.
D. Review the log files on the Author instances to determine if there are any template errors

Answer: B

Explanation:
"checking the Publish instance(s) attached to the Dispatcher associated to the impacted data center can help identify if there are any replication or caching issues that prevent the latest page content from being served"

NEW QUESTION 26
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 30
A client wants to change how they publish their content. Refer to the following client business requirements:
• The client has a seasonal business that has significant content changes across their site that need to be rolled out at once based on the season change over date.
• The content authors need to be able to work one season in advance of publish dates to ensure that all changes can be completed on time.
• The content authors need a way to indicate that all the seasonal changes are ready. If the content changes are not completed, then the pages should not get published.
• The content authors need the ability to modify the current live pages without rolling back changes for a future content rollout.
What approach should the Architect recommend?

A. Use the Versioning feature when editing a page to toggle and publish changes when ready.
B. Use the Manage Publication with scheduling value set to the season change over date when changes are completed.
C. Create a Project inside of AEM for each new season and create a task for notifying that changes are completed.
D. Use Launches inside of AEM for each new season and use the production ready flag to show changes are completed.

Answer: D

Explanation:
"using Launches inside of AEM for each new season can allow content authors to work on future content changes without affecting the current live pages and use the production ready flag to indicate when changes are completed".

NEW QUESTION 31
AEM Site users report that the web content pages render very slowly. An Architect notices that the CPU usages of the AEM Publish instances are spiking and reviews the following entry in the log:
[Frt Nov 27 23:11:00 2019] [I] [pid 16004 (tid 140134145820416)] Current cache hit ratio: 47.94 %
What should the Architect do to increase the dispatcher cache ratio and prevent the AEM Publish CPU usage spikes?

A. Review and optimize the Dispatcher cache configuration
B. Add additional AEM instances to the Publish Farm
C. Create a cron job that will delete the dispatcher cache on a regular basis
D. Add additional dispatcher servers

Answer: A

Explanation:
According to Adobe Experience Manager documentation5, dispatcher is a caching and load balancing tool that can be used to improve performance and security of AEM sites. Dispatcher cache configuration can be adjusted using various properties in the dispatcher.any file6. Creating a cron job that will delete the dispatcher cache on a regular basis © is not a good idea as it will reduce the cache hit ratio and increase the load on AEM servers.

NEW QUESTION 32
A customer wants to implement an AEM solution to serve localized content to several regional websites. Which AEM capability should the Architect recommend?

A. Use translation connector and Multi Site Manager
B. Use il8N API and Multi Site Manager
C. Use translation connector and il8N API
D. Use translation connector and translation workflows

Answer: A

Explanation:
According to Adobe Experience Manager documentation, translation connectors are used to integrate AEM with third-party translation services to orchestrate the translation of AEM content. Multi Site Manager (MSM) is used to create and manage multiple websites that share common content and structure.
https://experienceleague.adobe.com/docs/experience-manager-cloud-service/content/sites/administering/reusing

NEW QUESTION 37
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 40
A website built on AEM Sites displays the company's stock price in the footer of all pages. The stock data is retrieved from a third party REST service using two-way SSL and rendered in an AEM component using HTL During performance testing in the last development sprint it becomes apparent that the third party service sometimes takes up to 30 seconds to respond, which degrades the overall site performance.
How should an Architect address this issue?

A. Call the REST service directly from the browser
B. Temporarily remove the component from all content
C. Load the stock data component asynchronously
D. Add a 5 second timeout to the REST call

Answer: C

Explanation:
"loading the stock data component asynchronously can improve the site performance by not blocking the page rendering while waiting for the REST service response".

NEW QUESTION 43
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 parameters12. According to Adobe Experience Manager documentation2, 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 46
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