

Salesforce.Heroku Architecture Designer.vApr-2024.by.Ricky.120q

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Exam Code: Heroku Architecture Designer
Exam Name: Salesforce Certified Heroku Architect



Exam A

QUESTION 1

An app has two web dynos, Dyno A and Dyno B. The app receives a request, which is routed to Dyno

- A. A second request is sent from the same client. Which Dyno is the request routed to?
- B. The request is routed to Dyno A if it has finished handling the first request
- C. The request is routed randomly to Dyno A or Dyno B
- D. The request is definitely routed to Dyno A.
- E. The request is definitely routed to Dyno B.

Correct Answer: B

Section:

Explanation:

- <https://devcenter.heroku.com/articles/internal-routing>

QUESTION 2

Which two features of the Heroku platform require Private Spaces? Choose 2 answers.

- A. Automated Certificate Management
- B. Apache Kafka on Heroku
- C. Internal Routing
- D. Trusted IP ranges

Correct Answer: B, D

Section:

Explanation:

-

<https://devcenter.heroku.com/articles/private-spaces#trusted-ip-ranges>

QUESTION 3

Universal Containers (UC) has an on-premise application for reporting damage to their shipments.

They want to migrate the application to Heroku. The damage reporting process includes uploading one or more pictures to the application which temporarily stores them on the local system. After the report is submitted, a case is created in UC's Salesforce org for processing, and the images are deleted from the file system. The application's configuration is read from environment variables that are specified in the system user's profile. The application writes its logs to rotating files using an open-source library. Which two recommendations should an Architect make to ensure that the application runs correctly on Heroku? Choose 2 answers.

- A. Load the application's configuration from its source code instead of using environment tables
- B. Use an external object storage service for temporary image uploads
- C. Run the application in a Private Space to enable communication with UC's Salesforce org
- D. Write logs to standard out instead of writing them to the file system

Correct Answer: A, D

Section:

Explanation:

- <https://devcenter.heroku.com/articles/heroku-connect-database-tables#encrypted-strings>



QUESTION 4

A client wants to create a set of applications that all communicate with each other. Only one of the applications should be accessible from the public internet. This application will act as an API gateway and route requests to the interbak applications using HTTPS. Which architecture should an Architect recommend?

- A. Create all of the apps in a Private Space. Configure the Private Space's trusted IP ranges to only permit requests from within the Private Space
- B. Create the API gateway application in the Common Runtime. Create all of the internal apps in a Private Space.
- C. Create all of the apps in the Common Runtime. Ensure that the internal apps do not define a web process type.
- D. Create all of the apps in a Private Space Create the internal apps with Internal Routing enabled.
Create the gateway app as a web app

Correct Answer: D

Section:

Explanation:

- <https://devcenter.heroku.com/articles/using-sso-services-with-heroku#end-user-account-creationand-removal>

QUESTION 5

Which two logs and logging recommendations are prescribed by the Twelve-Factor app methodology? Choose 2 answers.

- A. Apps should not concern themselves with routing or storing logs
- B. Logs from all processes and backing services should be aggregated together.
- C. Logs should be written to a shared file system for scalability.
- D. Apps should only keep a limited, rolling buffer of logs available

Correct Answer: A, B

Section:

Explanation:

- <https://devcenter.heroku.com/articles/internal-routing>



QUESTION 6

- A. 30 A client has a Heroku Redis instance that can be accessed over the public internet. To meet compliance requirements, the IT Security team requires that all databases must be isolated from the public internet. Which solution should be suggested by an Architect?
- B. Enclose the existing Heroku Redis instance inside a Private Space. Enable Private Space VPN.
- C. Use a Heroku Redis instance with a Private Tier plan. Enable Trusted IP ranges on the Redis instance.
- D. Use a Heroku Private Space and a Heroku Redis instance with a Private Tier plan. Redeploy the app into the Space
- E. Enclose the existing Heroku Redis instance inside a Shield Private Space. Configure the firewall to allow Redis traffic through

Correct Answer: C

Section:

Explanation:

- <https://devcenter.heroku.com/articles/event-driven-microservices-with-apache-kafka>

QUESTION 7

A client needs to securely connect a Heroku app to a database on their on-premise network. Which two Heroku Enterprise features should an Architect consider?

- A. Private Space Peering
- B. SSLEndpoint

- C. Heroku Private Spaces
- D. Private Space VPN Connections

Correct Answer: C, D

Section:

Explanation:

- <https://devcenter.heroku.com/articles/heroku-connect-database-tables#encrypted-strings>

QUESTION 8

Which three items are required to successfully set up Single Sign-on (SSO) services with Heroku?
(Choose three.)

- A. An identity provider with built-in support for Heroku
- B. A Heroku Enterprise Team
- C. An existing Heroku account for each user
- D. At least one valid SSO certificate
- E. Administrative permissions on the selected identity provider

Correct Answer: A, B, E

Section:

Explanation:

- <https://devcenter.heroku.com/articles/using-sso-services-with-heroku#prerequisites-for-sso-withheroku>

QUESTION 9

Universal Containers intends to build an app which will accept card payments. The app also needs to store, process, and transmit cardholder data. Which Heroku architecture should an Architect recommend?

- A. Common Runtime with secure, isolated containers for running the app's code.
- B. A Private Space restricted to a set of trusted IP ranges.
- C. A Shield Private Space with a Shield Postgres add-on.
- D. A Private Space with Internal Routing enabled on the app.

Correct Answer: C

Section:

Explanation:

Reference:

QUESTION 10

A client wants to create a secure network connection between Heroku applications running in a Private Space and an AWS VPC. Which Heroku feature should an Architect recommend to create the connection?

- A. Internal Routing
- B. Private Space Peering
- C. Private Space VPN connections
- D. Heroku Connect

Correct Answer: C

Section:

Explanation:

- <https://devcenter.heroku.com/articles/event-driven-microservices-with-apache-kafka>

QUESTION 11

A client wants to add CPU-intensive video processing functionality to their Heroku web application. Which two strategies should an Architect recommend for implementing this functionality? (Choose two.)

- A. Add a new process type for worker dynos that pull video processing jobs from a queue.
- B. Attach a video processing add-on from the Heroku Elements Marketplace to the application.
- C. Delegate video processing tasks to the app's staging version to remove load from the production app.
- D. Divide each video processing task across multiple web dynos to mitigate added CPU load.

Correct Answer: A, B

Section:

Explanation:

Reference:

QUESTION 12

Universal Containers has a Heroku app that uses several third-party add-ons. They now need to enforce data privacy and be compliant with General Data Protection Regulation (GDPR). What should an Architect advise UC regarding data residency in this scenario?

- A. Heroku does not control where add-on providers store data.
- B. Heroku support can configure add-ons for specific data residency needs.
- C. Heroku guarantees the physical location of its control surface APIs.
- D. Data residency for add-ons is covered under Salesforce's GDPR compliance.



Correct Answer: B

Section:

QUESTION 13

An app uses a queue of worker dynos to perform complex image processing, but the worker dynos are occasionally running out of memory when performing the processing. All of their dynos are currently standard-1x dynos. What should an Architect recommend in this scenario?

- A. Add additional worker dynos.
- B. Break up the image processing across multiple dynos.
- C. Move the app to a Private Space.
- D. Change the type of dynos to standard-2x.

Correct Answer: D

Section:

Explanation:

Reference:

QUESTION 14

A client wants to use Heroku to build a data bridge between Salesforce and Google Cloud Platform (GCP). Which combination of Heroku features should an Architect recommend to secure the connection between Heroku and GCP?

- A. Heroku Shield Private Spaces and Heroku Shield Connect

- B. Heroku Private Spaces and Private Space VPN Connections
- C. Heroku Private Spaces and Private Space Peering
- D. Heroku Shield Private Spaces and Internal Routing

Correct Answer: A

Section:

QUESTION 15

Part of a client's design is the ability to easily share between two applications running on Heroku. What should an Architect recommend?

- A. Attach a single storage add-on, such as Heroku Postgres, to both applications.
- B. Create Foreign Data Wrappers to expose the tables from one database to another.
- C. Provision Heroku Connect to sync the data into a custom object in Salesforce.
- D. Provision Apache Kafka on Heroku to easily stream the data between the two apps.

Correct Answer: A

Section:

QUESTION 16

A healthcare services client is requesting an architecture for a set of applications: one is a marketing application, and the other two are of customer service applications that allow for customers to interact with their healthcare records. The marketing application must be able to scale up within seconds in response to traffic spikes. The client wants to be able to deploy each of these applications to the U.S. East Coast and EMEA. Which applications should be deployed into which Heroku runtime?

- A. The marketing application into Private Spaces; customer service applications into Shield Private Spaces
- B. The marketing application into the Common Runtime; customer service applications into Shield Private Spaces
- C. The marketing application into the Common Runtime; customer service applications into Private Spaces
- D. The marketing application into Private Spaces; customer service applications into separate Private Spaces

Correct Answer: A

Section:

Explanation:

-<https://devcenter.heroku.com/articles/private-spaces#trusted-ip-ranges>

QUESTION 17

For which two use cases should an Architect recommend using Heroku Redis? (Choose two.)

- A. Providing long-term data warehousing
- B. Adding jobs to a queue
- C. Providing a data cache layer
- D. Querying relational data

Correct Answer: A, D

Section:

Explanation:

Reference:

QUESTION 18

Universal Containers experienced an outage with their production Heroku Postgres database due to a fault with the underlying infrastructure. The database was unavailable for an hour. The database is on the Standard-0 plan. Which two actions should an Architect recommend to mitigate such database failures and outages in the future? (Choose two.)

- A. Create a follower database that uses the same plan as the leader.
- B. Migrate the database to a Premium-tier plan.
- C. Migrate the database to a larger Standard-tier plan.
- D. Create a fork of the database that uses the same plan as the leader.

Correct Answer: A, C

Section:

Explanation:

Reference:

QUESTION 19

A web application on Heroku wants to surface Salesforce data. All users of the web application will:

- 1) Authenticate using SSO with Salesforce.
- 2) Have user records in Salesforce.

What architecture should be recommended in order to maintain the Salesforce security model already in place?

- A. Use Heroku Connect to sync the Salesforce data and Salesforce security model to Heroku Postgres.
- B. Have the application query Salesforce data and the security model directly using a cached admin credential.
- C. Use Heroku Connect, with a per-user authentication model, to sync the Salesforce data to Heroku Postgres.
- D. Have the application query Salesforce data directly through the Salesforce APIs as the running user.

Correct Answer: A

Section:

Explanation:

<https://devcenter.heroku.com/articles/addon-controls>

QUESTION 20

A client wants to create a scalable set of microservices that communicate with each other, where multiple microservices have a public REST API.

Which architecture strategy allows this on Heroku?

- A. Each microservice is a separate Heroku app. The microservices communicate by using Apache Kafka as a message bus.
- B. Each microservice is a separate process type in a single Heroku app. The microservices communicate by using Redis as a message bus.
- C. Each microservice is a separate private space. The microservices communicate by using DNS Service Discovery.
- D. Each microservice is a separate process in a single Heroku app. The microservices communicate by using shared memory.

Correct Answer: C

Section:

Explanation:

- <https://devcenter.heroku.com/articles/event-driven-microservices-with-a-dache-kafka>

QUESTION 21

Universal Containers has a Heroku Private Space with a VPN connection to their on-premise network.

They want their remote employees to be able to access their Heroku applications using a VPN connection only.

Which solution should an Architect recommend?

- A. Clone the Heroku applications to a second Private Space, and configure its VPN for remote employees.
- B. Enable remote employees to VPN into the company's on-premise network.
- C. Configure a second VPN connection for the Private Space that remote employees can use.
- D. Add all remote employees to an Enterprise Team, and configure it to connect to the Private Space via SSO.

Correct Answer: C

Section:

QUESTION 22

Universal Containers (UC) has configured SSO for their Heroku Enterprise Team using an identity provider (IdP). When a new employee joins the company, how should their Heroku account be created?

- A. A Heroku account is created for the employee automatically the first time they log in to Heroku via SSO.
- B. The employee should create a new Heroku account with the exact email address listed in their IdP record.
- C. No account creation is required, because all SSO users in a particular Enterprise Team are associated with a single Heroku account.
- D. An administrator of the Enterprise Team creates the Heroku account with the exact email address listed in the employee's IdP record.

Correct Answer: A

Section:

Explanation:

<https://devcenter.heroku.com/articles/using-ss-services-with-heroku#end-user-account-creation-and-removal>

QUESTION 23

A client wants to use Heroku Connect to sync data bidirectionally between a Salesforce org and a Heroku Postgres database. In this scenario, which two are advantages to setting a custom External Identifier field in the Heroku Connect mapping? (Choose two.)

- A. External IDs simplify the mapping of polymorphic relationships in the Salesforce org.
- B. External IDs improve speed when inserting multiple related objects.
- C. External IDs prevent the creation of orphaned duplicates in Heroku Postgres.
- D. External IDs are required to enable bidirectional synchronization.

Correct Answer: C, D

Section:

QUESTION 24

Universal Containers (UC) recently acquired another company, International Shipping. Each company has its own Salesforce org, and UC wants those orgs to remain separate for the foreseeable future. Given this scenario, which Heroku feature should an Architect recommend to provide additional value to UC following the acquisition?

- A. Heroku Connect can be used to synchronize data directly between the two Salesforce orgs.
- B. Both orgs can be attached to the same Heroku application as an add-on to ensure data residency in the application's region.
- C. Heroku External Objects can expose read-only data from both Salesforce orgs to Heroku Postgres.
- D. A Heroku Postgres database can sync data from both orgs for advanced querying capabilities.

Correct Answer: A

Section:

Explanation:

Reference:

QUESTION 25

Universal Containers uses Heroku Connect to sync their Salesforce org's data with Heroku Postgres. Periodically, they write a very large set of changes that needs to be fully replicated between these two systems. Which two sets of actions should an Architect propose? (Choose two.)

- A. Make the changes directly in Heroku Postgres. Then allow Heroku Connect to expose them to the Salesforce org using Heroku External Objects.
- B. Use Data Loader to write the changes to the Salesforce org. Then allow Heroku Connect to sync them to Heroku Postgres.
- C. Make the changes directly in Heroku Postgres. Then allow Heroku Connect to use the Bulk API to sync them to the Salesforce org.
- D. Pause Heroku Connect then make the changes directly in the Salesforce org. Then allow Heroku Connect to use the Salesforce Bulk API to sync them to Heroku Postgres.

Correct Answer: A, C

Section:

QUESTION 26

Universal Containers (UC) has expressed a desire to have encryption-at-rest enabled on their Heroku Postgres databases. Which three tiers would UC need to use to have that feature enabled? (Choose three.)

- A. Private
- B. Standard
- C. Hobby
- D. Shield
- E. Premium

Correct Answer: A, B, E

Section:

Explanation:

Reference:

QUESTION 27

At Universal Containers (UC), a developer named Yuichiro wrote a PHP application that, in production, uses a MySQL database. Yuichiro is onboarding Mary, a new UC developer, who is setting up her development environment. Yuichiro asks Mary to:

1) install the related PHP libraries manually so the application will run; 2) use MongoDB, instead of MySQL, in the development environment.

According to the Twelve-Factor methodology, which changes should an Architect recommend?

- A. Explicitly declare code dependencies in the application's environment variables and use the same type of database in both development and production.
- B. Persist code dependencies in the application's production database. Use the same type of database locally to ensure that the dependencies are accessible.
- C. Recursively determine code dependencies on application startup and maintain separate Git branches for the MongoDB- and MySQL- compatible versions of the application.
- D. Explicitly declare code dependencies in the application's source and use the same type of database in both development and production.

Correct Answer: B

Section:

QUESTION 28

A client wants to secure their web application using SSL/TLS. They do not have specific requirements regarding using a particular version of SSL/TLS. Which two Heroku features should an Architect recommend as options? (Choose two.)



- A. Heroku Private Spaces
- B. Automated Certificate Management
- C. Heroku SSL
- D. Heroku Shield Private Spaces

Correct Answer: B, C

Section:

Explanation:

Reference:

QUESTION 29

A client wants to perform complex processing on large data sets in Salesforce. The data is confidential, but it does not have advanced compliance requirements. What Heroku Enterprise features should an Architect recommend in this scenario?

- A. Shield Private Spaces and Heroku External Objects
- B. Private Spaces and Heroku Connect
- C. Private Spaces and Heroku External Objects
- D. Shield Private Spaces and Heroku Shield Connect

Correct Answer: D

Section:

Explanation:

- <https://devcenter.heroku.com/articles/heroku-postgresql#data-residency>

QUESTION 30

A Heroku application uses Heroku Connect to integrate with data from a Salesforce org. Since then, several fields from the Salesforce objects that were mapped using Connect have been removed. As a result, the development team will reload the mapping using Heroku Connect.

What is an implication of reloading the mapping?

- A. The mapped tables in Heroku Postgres will continue to store the previously synchronized data, and synchronization will restart normally.
- B. The mapped tables in Heroku Postgres will be truncated as part of the reload action. The data in removed fields will be lost, and synchronization will pause until manually restarted.
- C. The mapped tables in Heroku Postgres will continue to store the previously synchronized data, but synchronization will pause until manually restarted.
- D. The mapped tables in Heroku Postgres will be truncated as part of the reload action. The data in removed fields will be lost, and synchronization will restart normally.

Correct Answer: A

Section:

QUESTION 31

Universal Containers has recently experienced a higher volume of traffic on their mobile app hosted on Heroku. When Universal Containers was running 4 standard-2x dynos with 1 GB RAM each, they encountered multiple H12 ("request timeout") errors. The app never consumed more than 800 MB of RAM. They then switched to performance-m dynos, with 2.5 GB RAM, and set autoscaling to a maximum of 2 dynos. However, they still encountered H12 ("request timeout") errors.

What remediation should an Architect recommend to alleviate this problem?

- A. Move long-running tasks to worker dynos.
- B. Add a logging add-on from the Elements marketplace.
- C. Upgrade to performance-L dynos with 14 GB RAM.
- D. Replace autoscaling with a manual scaling option of 2.



Correct Answer: A

Section:

Explanation:

Reference:

QUESTION 32

A customer wants to sync data between their Salesforce org and Heroku Postgres.

Which two limitations should an Architect remember when recommending Heroku Connect?

(Choose two.)

- A. Heroku Connect can only access fields and objects that its associated Salesforce integration user can access.
- B. Heroku Connect does not support all Salesforce objects and fields.
- C. Heroku Connect does not provide an API.
- D. Heroku Connect cannot sync custom objects.

Correct Answer: A, C

Section:

Explanation:

Reference:

QUESTION 33

A healthcare client is creating a web portal for their customers on Heroku, which is sourced from a Salesforce instance. Some of the Salesforce data they wish to display falls under HIPAA compliance, and their auditors have determined this data must be stored encrypted-at-rest. To satisfy this requirement, they have enabled Platform Encryption on Salesforce.

They are investigating Heroku Shield Private Spaces, Shield Dynos, Shield Postgres, and Shield Heroku Connect.

How will Shield Heroku Connect interact with the encrypted fields in Salesforce?

- A. Shield Heroku Connect will be able to access only cypher text in the fields from Salesforce. They will need to import the encryption key from Salesforce to decrypt to store in Shield Postgres.
- B. Shield Heroku Connect will be able to synchronize data from fields in Salesforce without additional customization, but any writes will need to be encrypted using the Salesforce encryption key first before being written.
- C. Shield Heroku Connect requires customization on the Salesforce side to decrypt the data before transmitting to Heroku.
- D. Shield Heroku Connect will be able to synchronize data bidirectionally without additional customization.

Correct Answer: B

Section:

Explanation:

- <https://devcenter.heroku.com/articles/heroku-connect-database-tables#encrypted-strmgs>

QUESTION 34

A financial reporting application, hosted on an on-premise server, uses a native library (wkhtmltopdf) to convert its HTML reports into PDFs. The app is being migrated to Heroku.

What option should an Architect recommend to enable the Heroku application to use wkhtmltopdf?

- A. Ensure that the Heroku app fetches the wkhtmltopdf library from cloud storage on dyno restart.
- B. Install the dependency using `sudo apt install wkhtmltopdf` from .profile in the project root.
- C. Continue to host wkhtmltopdf on-premise, and build a REST API so the library can be invoked from the Heroku app.
- D. Use a custom buildpack to install wkhtmltopdf using apt.

Correct Answer: D

Section:

Explanation:

Reference:

QUESTION 35

A client is running an app on 20 Standard-2x dynos. They are noticing highly variable performance when the application is experiencing a heavy load. Which two suggestions should an Architect make in this scenario? (Choose two.)

- A. Configure the app to use Standard-1x dynos.
- B. Configure the app to use Performance dynos.
- C. Install a performance monitoring tool.
- D. Add additional Standard-2x dynos.

Correct Answer: B, D

Section:

Explanation:

Reference:

QUESTION 36

Universal Containers (UC) uses Apache Kafka on Heroku to stream shipment inventory data in real time throughout the world. A Kafka topic is used to send messages with updates on the shipping container GPS coordinates as they are in transit. UC is using a Heroku Kafka basic-0 plan. The topic was provisioned with 8 partitions, 1 week of retention, and no compaction. The keys for the events are being assigned by Heroku Kafka, which means that they will be randomly distributed between the partitions.

UC has a single-dyno consumer application that persists the data to their Enterprise Data Warehouse (EDW). Recently, they've been noticing data loss in the EDW.

What should an Architect with Kafka experience recommend?

- A. Enable compaction on the topic to drop older messages, which will drop older messages with the same key.
- B. Upgrade to a larger Apache Kafka for Heroku plan, which has greater data capacity.
- C. Use Heroku Redis to store message receipt information to account for "at-least" once delivery, which will guarantee that messages are never processed more than once. Scale up the consumer dynos to match the number of partitions so that there is one process for each partition.

Correct Answer: C

Section:

QUESTION 37

A client's Heroku application syncs data between a Heroku Postgres database and a Salesforce org using the Salesforce Bulk API. The client has determined the application currently uses 90% of the client's daily Salesforce Bulk API limit.

To overcome this issue, what feature, to replace the Bulk API implementation in this scenario, should an Architect recommend?

- A. Custom Apex callouts
- B. Heroku Connect
- C. Salesforce SOAP API
- D. Salesforce Connect

Correct Answer: B

Section:

Explanation:

Reference:

QUESTION 38

A client wants to use Heroku Connect to sync data from a Heroku Postgres table to a Salesforce org.

The client only needs to sync a specific subset of the rows in the table.
How should this be performed?

- A. Add a mapping filter to the table when setting up the sync, and select appropriate criteria from the list.
- B. Filter the data in the database, and provide an alternative table or view for use in the sync.
- C. Use the Heroku Connect Mapping Query Editor, and add filters to the query.
- D. Place Sharing Rules on the records, and restrict visibility to only those rows that are needed.

Correct Answer: D

Section:

Explanation:

- <https://devcenter.heroku.com/articles/heroku-connect-faq#can-i-use-sharing-rules-to-restrict-record-visibility>

QUESTION 39

A client requires that their web application's logs are accessible only from within the same isolated network as the application itself.
Which solution should an Architect recommend in this scenario?

- A. Deploy the application to a Private Space. Provide the Private Space's stable outbound IPs to Heroku's Logplex router to block all logs originating from the Private Space.
- B. Deploy the application to a Shield Private Space with Private Space Logging enabled. Forward logs to a destination within the Shield Private Space.
- C. Deploy the application to a Private Space. Connect the Private Space to an on-premise logging system using VPN and specify it as a log drain.
- D. Deploy the application to a Private Space. Enable Internal Routing to prevent the application's logs from being forwarded outside of the Private Space.

Correct Answer: C

Section:

QUESTION 40

A client has a web application that persists data to a local JSON file. They are migrating the application to Heroku. In order for the application to conform to the Twelve-Factor methodology, what changes should an Architect recommend?

- A. The application should persist the data to a database add-on.
- B. The application should persist the data to a local SQLite database.
- C. The application should use at least 2 dynos to ensure that the JSON file is highly available.
- D. The application should be stateless and therefore not persist data at all.

Correct Answer: A

Section:

QUESTION 41

Which is a characteristic of an add-on that is "available" for applications in Private Spaces but not "installable" in a Private Space?

- A. The add-on always runs in the same Private Space as the provisioning application.
- B. The traffic between the provisioning app and the add-on will travel across the public Internet.
- C. The add-on will always run in the same region, but not in the same Private Space, as the provisioning application.
- D. The add-on's data will always be stored in the same Private Space as the provisioning application.

Correct Answer: C

Section:



QUESTION 42

A client's Heroku application is publishing messages to an instance of Apache Kafka on Heroku. What does a second Heroku application need to do to consume those messages?

- A. Subscribe to the Kafka partition(s) that the messages are being published to.
- B. Join a consumer group that also includes the publishing application.
- C. Subscribe to the Kafka topic(s) that the messages are being published to.
- D. Convert the publishing application into a stream processor.

Correct Answer: A

Section:

Explanation:

- <https://www.cloudkarafka.com/blog/2016-11-30-part1-kafka-for-beginners-what-is-apache-kafka.html>

QUESTION 43

A client provisions a Heroku Postgres database in the EU region. Which two services related to Heroku Postgres are located in the U.S.? (Choose two.)

- A. Fork and follower databases
- B. Heroku Postgres Continuous Protection backups
- C. Snapshots created with Heroku PGBackups
- D. Heroku Dataclips

Correct Answer: A, D

Section:

Explanation:

- <https://devcenter.heroku.com/articles/heroku-postgresql>

**QUESTION 44**

Universal Containers is developing a new application that has a lightweight Node.js front end. They will also be using a Java-based API, which combines data with Salesforce customer data. All of the data, and the API, is highly confidential.

What should an Architect suggest to enforce security?

- A. Deploy the apps into either Heroku runtime. Force the Java app to use a CDN, and point the Node.js app to its appname.herokuapp.com domain.
- B. Deploy all of the apps to the Common Runtime. Force the Java app to use SSL/TLS sessions, and point the Node.js app to its appname.herokuapp.com domain.
- C. Deploy all of the apps to a Heroku Private Space. Force the Java app to use SSL/TLS sessions, and point the Node.js app to its appname.herokuapp.com domain.
- D. Deploy all of the apps to a Heroku Private Space. Deploy the Java app with Internal Routing enabled. Deploy the Node.js app without Internal Routing enabled.

Correct Answer: D

Section:

QUESTION 45

Which two Heroku features require Heroku Enterprise Teams? (Choose two.)

- A. Fire-grained app access controls
- B. Single Sign-on
- C. Paid add-on plans

D. Heroku Pipelines

Correct Answer: A, D

Section:

QUESTION 46

A client runs an application on a background worker dyno. The application allows its users to request personalized information as a PDF. At peak usage, the app processes millions of requests at once. The resulting number of requests has caused a bottleneck that is impacting its performance.

Which two solutions can an Architect recommend to resolve the bottleneck and improve performance? (Choose two.)

- A. Increase the number of workers to consume the job faster.
- B. Move the application to a Private Space.
- C. Add Heroku Redis as a job queue.
- D. Add a CDN add-on from the Elements marketplace.

Correct Answer: A, B

Section:

Explanation:

Reference:

QUESTION 47

A client's application needs to run in a European country for data residence purposes.

What is a consideration in this scenario?

- A. When a dyno is cycled, its replacement might run in a different region.
- B. European regions are only available for applications running in Private Spaces.
- C. Heroku Postgres backup snapshots and dataclips are always stored in the U.S.
- D. There is no guarantee that a Heroku Postgres database will be created in the same region as the application that provisions it.



Correct Answer: B

Section:

Explanation:

- <https://devcenter.heroku.com/articles/heroku-postgresql#data-residency>

QUESTION 48

Universal Containers wants to limit the total cost of their Heroku usage while they're getting started on the platform. To accomplish this, they are considering replacing certain add-ons with comparable open-source components, but the development team doesn't want to lose access to certain features that the add-ons provide.

Which option should an Architect recommend for reducing add-on costs without affecting feature availability?

- A. Remove aliases for high-cost add-ons.
- B. Share a single instance of a compatible paid add-on across multiple applications.
- C. Remove data store add-ons from the staging and development versions of the applications.
- D. Migrate add-ons to free plans.

Correct Answer: C

Section:

Explanation:

[https://devcenterheroku.com/articles/heroku-connect-faq#can-j-use-sharing-rules-to-restrict-recordvisibility](https://devcenter.heroku.com/articles/heroku-connect-faq#can-j-use-sharing-rules-to-restrict-recordvisibility)

QUESTION 49

A hospital wants to build a mobile app that allows patients to check the status of submitted insurance claims, which the hospital stores in Salesforce Health Cloud. The app's back end will run on Heroku. Which two measures should an Architect recommend to help ensure that the app is compliant with HIPAA? (Choose two.)

- A. Use Heroku Shield Connect to sync claim data from Salesforce to a Heroku Postgres database.
- B. Use only Heroku Shield Postgres databases to store claim data outside of Salesforce Health Cloud.
- C. Ensure that the back-end application's code encrypts all claim data before writing it to a Heroku Postgres database.
- D. Ensure that the mobile app can only run when on the hospital's intranet, which is connected to the back end's Shield Private Space via VPN.

Correct Answer: A, C

Section:

QUESTION 50

Universal Containers (UC) has a Heroku application that runs in Virginia, in the U.S., that uses Apache Kafka on Heroku. They have deployed a copy of the app in Asia. Now, both apps need a messaging backbone that will support multi-region distribution.

What is the least complex architecture that an Architect should recommend?

- A. Deploy a multi-region version of Apache Kafka on Heroku.
- B. Use Heroku's multi-tenant Kafka Basic plan.
- C. The app in Asia should write to the Kafka instance in Virginia.
- D. Provision a second Kafka add-on in Asia. Each instance of the app should sync with each other.

Correct Answer: B

Section:

Explanation:

-<https://www.heroku.com/tech-sessions/get-started-with-apache-kafka>

**QUESTION 51**

Universal Containers (UC) has a Heroku Postgres database attached to a Heroku app, which is running in the Common Runtime.

What should an Architect recommend UC do to secure their database to only trusted locations?

- A. Move the database and the app into the Private Space.
- B. Add a Trusted IP range to the Heroku Postgres configuration.
- C. Set up a VPN from the trusted locations to the app.
- D. Set up a VPC in a one-off dyno when access to Heroku Postgres is needed.

Correct Answer: B

Section:

QUESTION 52

Universal Containers (UC) wants to allow its developers to only use certain add-ons. UC enables Addon Controls for Enterprise Teams and adds the add-ons they wish to allow to the list. There is an existing set of add-ons attached to applications, which are NOT on the list.

What happens to these add-ons?

- A. They are deleted, and all data is backed up and saved.
- B. They are added to the allowed add-ons list.
- C. They are added to the exception list and not affected.

D. They are flagged for removal, and the developers are notified.

Correct Answer: D

Section:

Explanation:

- <https://devcenter.heroku.com/articles/addon-controls>

QUESTION 53

According to the Twelve-Factor methodology, which best practice helps minimize the gap between development and production?

- A. Using the same backing services in all of an application's environments.
- B. Configuring application logging to write stdout.
- C. Executing long-running tasks as background processes.
- D. Writing processes that are fast to start up and gracefully shut down

Correct Answer: A

Section:

Explanation:

- <https://devcenter.heroku.com/articles/internal-routing>

QUESTION 54

A client has a Heroku app that uses Apache Kafka on Heroku. They want to refactor the app into 2 distinct apps that will both continue to use Kafka (because they probably don't have so much to do in their life). Based on this refactoring, what should an Architect recommend?

- A. Ensure that the apps consume mutually exclusive sets of Kafka topics
- B. Attach the existing Kafka add-on to both apps
- C. Designate one app as a producer and the other as a consumer
- D. Attach the existing Kafka add-on to one app and attach a new Kafka add-on to the other app



Correct Answer: B

Section:

QUESTION 55

Which 2 users can remove an application from a Heroku Enterprise Team?

- A. An administrator of the Enterprise Team
- B. A user with the "manage" permission for the app
- C. A user with the "deploy" permission for the app
- D. A user with the "operate" permission for the app

Correct Answer: A, B

Section:

Explanation:

- <https://devcenter.heroku.com/articles/event-driven-microservices-with-apache-kafka>

QUESTION 56

A client is building a system that will sync data from multiple Salesforce orgs to a single Heroku Postgres database. This system also needs to push the synced data to an external data warehouse for analytics processing. Which solution meets all of the requirements in this scenario?

- A. Use Heroku Connect to synchronize data between the Salesforce orgs, the Heroku Postgres database and the external data warehouse
- B. Use Salesforce Connect to synchronize data between the Salesforce orgs and the Heroku Postgres database Use Heroku Connect to sync data between the Heroku Postgres database and the external data warehouse.
- C. Use Heroku External Objects to synchronize data between the Salesforce orgs and the Heroku Postgres database Use an ETL tool to push data from the Salesforce orgs to the external data warehouse.
- D. Use Heroku Connect to synchronize data between the Salesforce orgs and the Heroku Postgres database Use an ETL tool to push data from the Salesforce orgs to the external data warehouse.

Correct Answer: D

Section:

Explanation:

- <https://devcenter.heroku.com/articles/private-spaces#trusted-ip-ranges>

QUESTION 57

Which 2 architectures are enabled by using a single Private Space and the Internal Routing feature?

- A. A microservices architecture that also uses DNS Service Discovery to facilitate communication
- B. Multiple public-facing web apps with different sets of trusted inbound IP ranges
- C. A single public-facing web app that performs network-isolated communication with multiple nonpublic-facing web apps.
- D. Network-isolated communication between applications in the Private Space and applications in the Common Runtime

Correct Answer: A, C

Section:

Explanation:

- <https://devcenter.heroku.com/articles/event-driven-microservices-with-apache-kafka>



QUESTION 58

A client is building a collection of web apps that will serve short-lived marketing sites during REST.

The apps must support HTTPS connections. They also need to scale up and down at unpredictable intervals. The client is not currently a Heroku Enterprise customer. Given the scenario, what should an Architect recommend?

- A. Sign up for Heroku Enterprise and deploy each app to a different Private Space
- B. Sign up for Heroku Enterprise without deploying the apps to the same Private Space
- C. Sign up for Heroku Enterprise and deploy the apps to the same Private Space
- D. Deploy the apps to the Common Runtime

Correct Answer: D

Section:

Explanation:

- <https://devcenter.heroku.com/articles/internal-routing>

QUESTION 59

Universal Containers has an app deployed on Heroku that is now required to handle high-volume message processing. What should an Architect recommend to fulfill this new requirement?

- A. Create a custom buildpack
- B. Configure a Heroku button
- C. Provision an Apache Kafka on Heroku add-on
- D. Add Heroku Redis

Correct Answer: C

Section:

Explanation:

- <https://www.heroku.com/tech-sessions/get-started-with-apache-kafka>

QUESTION 60

A customer runs Production Check on an application from the Dashboard. Which two runtime issues does it check for? Choose 2 answers.

- A. Worker dyno scale: ensuring at least 1 worker dyno is available.
- B. Dyno redundancy: ensuring at least 2 web dynos are available
- C. CDN ensuring a CDN is available to the web dynos
- D. Production-tier database: ensuring a production-tier database is being used

Correct Answer: B, D

Section:

Explanation:

- <https://devcenter.heroku.com/articles/heroku-connect-faq#can-i-use-sharing-rules-to-restrict-record-visibility>

QUESTION 61

A client has an e-commerce application that stores credit card information. The application will run the production. Which security certification does the application need to meet?

- A. ISO 27017
- B. PCI level 1
- C. SOC2Type1
- D. ISO 27018

Correct Answer: B

Section:

Explanation:

- <https://devcenter.heroku.com/articles/using-sso-services-with-heroku#end-user-account-creationand-removal>

QUESTION 62

A client has data in a Heroku Postgres table. They want to generate analytics based on the table and make the results available in their Salesforce org. Their Salesforce administrator wants to minimize the amount of data that is written to Salesforce to accomplish this. Which strategy should an Architect recommend on this scenario?

- A. Use Heroku Connect to sync the Heroku Postgres table to the Salesforce org, and generate analytics from the Salesforce org.
- B. Use the Heroku application to generate analytics, and write the results to a separate Heroku Postgres table-Expose that table to the Salesforce org with Heroku External Objects.
- C. Use the Heroku application to generate analytics, and write the results to the Salesforce org with the Salesforce Bulk API.
- D. Use the Heroku application to generate analytics and write them to a separate Heroku Postgres table. Sync that table to the Salesforce org with Heroku Connect.

Correct Answer: B

Section:

Explanation:

-<https://devcenter.heroku.com/articles/event-driven-microservices-with-apache-kafka>

QUESTION 63

Which Heroku features should an Architect recommend to create a secure connection between Heroku and Microsoft Azure?



- A. Heroku Private Spaces and Private Space VPN Connections, using Azure's built-in VPN endpoint.
- B. Heroku Private Spaces and Private Space VPN Connections, using a compatible VPN endpoint on Azure
- C. Heroku Shield Private Spaces and Internal Routing, using Azure's built-in VPN endpoint
- D. Heroku Private Spaces and Private Space Peering, using Azure's VPC Peering.

Correct Answer: B

Section:

Explanation:

- <https://devcenter.heroku.com/articles/using-sso-services-with-heroku#end-user-account-creationand-removal>

QUESTION 64

Universal Containers (UC) uses Heroku Connect to synchronize changes to the Account object in their Salesforce org. UC's Heroku application makes a batch update that changes one million records to the Heroku Postgres database table that mirrors the Account object. Approximately, how long will these updates take to sync back to the Salesforce org?

- A. It depends on the sync performance, which can vary from one connection to another.
- B. 1 hour.
- C. One million updates is too many for Heroku Connect to handle; therefore, the sync will fail
- D. 12 hours.

Correct Answer: A

Section:

Explanation:

- <https://devcenter.heroku.com/articles/using-sso-services-with-heroku#prerequisites-for-ssowith-heroku>

QUESTION 65

A client has 3 Heroku applications: App 1, App 2, App 3. They would like to restrict external web traffic to App 3 only. Which two Heroku features should an Architect recommend to enable this architecture?

- A. VPC Peering
- B. Trusted IP ranges
- C. Private Spaces
- D. Internal Routing

Correct Answer: B

Section:

QUESTION 66

Upon arrival for a Service Appointment, the Field Service Technician reports that a team of people is required to resolve the issue. How can the Dispatcher ensure that the required staff is assigned to the project?

- A. Assign the existing Service Appointment to a Crew.
- B. Assign the existing Work Order to each staff member
- C. Create a new Service Appointment and assign a Crew.
- D. Assign the existing Work Order to a Crew.

Correct Answer: C

Section:

QUESTION 67

Universal Containers acquires a company that runs an application on Google Cloud Platform (GCP).

The GCP application needs to communicate securely with a Heroku application. The Heroku application has Internal Routing enabled and is running in a Private Space. Which two recommendations should an Architect make to satisfy this use case? Choose 2 answers.

- A. Ensure that the Private Space and GCP use distinct CIDR ranges
- B. Disable Internal Routing on the Heroku app.
- C. Ensure that the Private Space and GCP use matching CIDR ranges.
- D. Establish a secure site-to-site VPN connection between the Private Space and GCP.

Correct Answer: A, D

Section:

Explanation:

- Here is the <https://devcenter.heroku.com/articles/vpn-private-space.google-cloudplatform#manual-setup>

QUESTION 68

Universal Export wants to build an app that serves company data. The data has no strong compliance requirements, and the app should only be reachable from trusted IP addresses. Which solution should an Architect recommend?

- A. Deploy the app in a Shield Private Space with a Shield-tier Heroku Postgres database
- B. Deploy the app in the Common Runtime with a Standard-tier Heroku Postgres database
- C. Deploy the app in a Private Space with a Private-tier Heroku Postgres database.
- D. Deploy the app in the Common Runtime with a Premium-tier Heroku Postgres database.

Correct Answer: C

Section:

Explanation:

- <https://devcenter.heroku.com/articles/heroku-connect-faq#can-i-use-sharing-rules-to-restrict-record-visibility>

QUESTION 69

The primary benefit of a workflow outbound message over an Apex trigger is:

- A. The message supports different authentication mechanisms
- B. The message can deliver the payload only as SOAP
- C. Messages are completely declarative.
- D. The message can handle every database event.

Correct Answer: C

Section:

QUESTION 70

Which Heroku feature allows you to deploy a real app complete with code, config, and add-ons already configured?

- A. Heroku Getting Started guides
- B. Heroku Deployment wizard
- C. git push heroku master
- D. Heroku Buttons



Correct Answer: D

Section:

QUESTION 71

Which of the following is a Heroku CLI command?

- A. heroku create
- B. heroku new
- C. git push heroku master
- D. git push

Correct Answer: A

Section:

QUESTION 72

The Heroku CLI give you the ability to:

- A. Leverage the most powerful interface in the galaxy to have complete control over a fully operational battle station
- B. Install your own Heroku instance on to your on-prem servers
- C. Use Heroku with an expressive and powerful toolset on the command line
- D. Make a mean cup of Java

Correct Answer: C

Section:

QUESTION 73

What is a Heroku dyno?

- A. An on-prem server that you can install in a rack at your nearest co-location facility
- B. Your application code compiled and ready to be served to a variety of web clients
- C. A specialized dinosaur monitoring service delivered from the cloud
- D. A managed runtime container with a Linux operating system underneath

Correct Answer: D

Section:

QUESTION 74

Universal Containers provides prompt service and has multiple service levels (or different customers Over 50% of Service Appointments are created on the sameday they need to be completed As a result, a Technician's daily schedule can change multiple times throughout the day What method of dispatching should a Consultant recommend implementing?

- A. Automatically Dispatch Service Appointments using Drip Feed.
- B. Automatically run Optimization Background Job every hour.
- C. Automatically schedule unscheduled services to available Resources
- D. Automatically change the status to Dispatched of all Service Appointments.

Correct Answer: B

Section:



QUESTION 75

Universal Containers has an initiative to increase customer satisfaction by committing preferred resources to accounts and providing prompt service. Which two Scheduling Policies would assist to meet this initiative? (Choose two.)

- A. Emergency Policy
- B. Customer First
- C. Soft Boundaries
- D. High Intensity

Correct Answer: B, C

Section:

QUESTION 76

A Field Technician from Universal Containers arrived onsite for an appointment, and unfortunately the customer was not present. UC wants to ensure they can track these customer no-show events for future process improvement. What process should a Consultant recommend to handle this situation?

- A. Set the existing Service Appointment status to Complete; Create a new Work Order and Service Appointment for the follow-up trip.
- B. Set the existing Service Appointment status to Cannot Complete; Create a new Work Order Line Item for the follow-up trip.
- C. Set the existing Service Appointment status to Cannot Complete; Create a new Service Appointment against the same Work Order for the follow-up trip.
- D. Set the existing Service Appointment status to In Progress; Create a new Work Order and Service Appointment for the follow-up trip.

Correct Answer: C

Section:

QUESTION 77

Universal Containers would like to report on the volume of products installed within a specific timeframe. What solution will help meet the customer's requirement?

- A. Utilize a custom "Installation Date" field on Asset.
- B. Utilize the standard "Installation Date" field on Asset.
- C. Utilize a Work Order related list on Asset.
- D. Utilize Field History Tracking on Asset.

Correct Answer: B

Section:

QUESTION 78

Universal Containers wants to ensure that inventory needed for repair jobs is tracked and managed so Technicians have the material for their jobs. Which two ways should a Consultant recommend tracking these inventory requirements in Salesforce? (Choose two.)

- A. Products Required for Service Appointments
- B. Products Required for Work Orders
- C. Products Required for Work Order Line Items
- D. Products Required for Service Resources

Correct Answer: B, C

Section:



QUESTION 79

Universal Containers (UC) wants to better understand their service business and Field Service Technician teams' schedules. A Consultant suggested UC start to forecast and plan. Which two abilities does forecasting and planning provide? (Choose two)

- A. More accurately assign Work Orders based on skills.
- B. Proactively adjust to demand fluctuations.
- C. Proactively adjust Service Contracts
- D. More consistently meet customer response times

Correct Answer: B, D

Section:

QUESTION 80

You can use the Salesforce REST APIs to:

- A. Execute processes as another user
- B. Access database log files
- C. Feed your kitten
- D. Insert or update records

Correct Answer: D

Section:

QUESTION 81

Applications on Heroku that use Salesforce REST APIs can use which authentication mechanisms:

- A. Username and password with an OAuth connected app
- B. None of these
- C. OAuth web or user-agent flow in which the user authorizes a connected app using browser redirects
- D. Anonymous access without credentials on trusted networks

Correct Answer: A, C

Section:

QUESTION 82

A client wants to deconstruct a monolithic application into a set of microservices. The microservices require secure direct peer-to-peer communications. Which Heroku Enterprise features should an Architect recommend? Choose one answer

- A. Heroku Private Spaces and Apache Kafka on Heroku
- B. Shield Private Spaces and Heroku Shield Connect
- C. Heroku Private Spaces and Internal Routing.
- D. Heroku Private Spaces and Private Space VPN connections.

Correct Answer: C

Section:

QUESTION 83

Which of the following is NOT an advantage of data replication over data proxies?

- A. A replicated data set reduces data access latency.
- B. A replicated data set supports bidirectional writes.
- C. A replicated data set offloads processing and requests from an origin data server.
- D. A replicated data set is always and immediately in sync with the origin data

Correct Answer: D

Section:

QUESTION 84

You can use Salesforce Connect to proxy which types of data sources:

- A. OData 2.0 and 4.0
- B. REST with JSON payloads
- C. SOAP
- D. All of these
- E. REST with XML payloads

Correct Answer: D

Section:

QUESTION 85

What are 3 examples of backing services, as described in the Twelve Factor app methodology?

- A. A database
- B. A logging tool
- C. An email delivery service
- D. A background process with a long running task

Correct Answer: A, B, C

Section:

Explanation:

- <https://devcenter.heroku.com/articles/internal-routing>

QUESTION 86

Universal Containers (UC) has an app that allows a customer to schedule a compute-intensive job. It allows the customer to schedule the job on an ad-hoc basis. UC has decided to break up the app into the following services:
- Website: an interface for their customers;
- Billing: generates monthly invoices based on usage metrics;
- Traffic Cop: manages the job queue, job definitions and job schedule;
- Job Runner; runs jobs that Traffic Cop queues up. It is responsible for self-introspection and self-scaling. UC also wants to create a data lake for analytics. What foundational technology and design should an Architect use to manage communication between these services?

- A. Apache Kafka on Heroku as a bus between all services Create topics for billing, jobs, and website clicks Create an additional service, which will subscribe for all topics, and dump every message into a data lake
- B. Heroku Redis, create a large Redis store. Allow each service to place messages with an agreed-upon format into a single queue, backed by the Redis store Services listen for messages addressed to them and take action on them. Redis will serve as the data lake.
- C. Heroku Connect and Salesforce Sync all relevant data into Salesforce and allow it to flow into each service Create custom objects for each service and allow them to post to each others' objects as needed. Push data from Salesforce into Heroku Postgres for a data lake.
- D. Apache Kafka on Heroku Create a Kafka queue for each service. Create a central routing service that connects to all of the Kafka queues and routes data. The central router is attached to a data lake, and pushes every



message into It.

Correct Answer: A

Section:

Explanation:

- <https://devcenter.heroku.com/articles/private-spaces#trusted-ip-ranges>

QUESTION 87

Universal Containers has multiple Heroku applications that use the same Heroku Postgres database.

One of those applications, SFDC-sync, uses Heroku Connect to sync the data between a Salesforce org and the Heroku Postgres database. If the SFDC-sync app is deleted, Heroku Connect will stop syncing data. What is another consequence of deleting the SFDC-sync app?

- A. All tables synced with Heroku Connect will be removed from the Heroku Postgres database
- B. Existing data will remain in both locations.
- C. All synced objects will be removed from the Salesforce org
- D. All tables will be removed from the Heroku Postgres database

Correct Answer: A

Section:

Explanation:

- <https://devcenter.heroku.com/articles/private-spaces#trusted-ip-ranges>

QUESTION 88

A client wants to deconstruct a monolithic app into a collection of smaller apps which should be able to send HTTP requests to each other. The smaller apps should not be publicly accessible on the internet. Which Heroku Enterprise features should an Architect recommend to enable this architecture?

- A. Heroku and Apache Kafka on Heroku
- B. Heroku Connect and Internal Routing
- C. Heroku Private Spaces and Heroku Connect
- D. Heroku Private Spaces and Internal Routing

Correct Answer: D

Section:

Explanation:

- <https://www.heroku.com/tech-sessions/get-started-with-apache-kafka>

QUESTION 89

A client has a data in a SAP data store. The client uses Heroku External Objects to expose Heroku Postgres tables in their Salesforce org. They want to perform custom transformations on the SAP data and then expose the transformed data in their Salesforce org. Which solution should an Architect recommend?

- A. Use Salesforce Connect to perform any necessary transformations on the SAP data and sync the transformed data to the Salesforce org.
- B. Use Heroku Connect to sync the SAP data to Heroku Postgres and then perform any necessary transformations. Ensure the transformed data is in a table that is exposed in the Salesforce org.
- C. Use an ETL tool to sync the SAP data to Heroku and then perform any necessary transformations. Ensure the transformed data is in a table that is exposed in the Salesforce org.
- D. Perform in-place transformations on the data in SAP and then use Heroku Connect to sync the SAP data to Heroku Postgres. Ensure the transformed data is in a table that is exposed in the Salesforce org.

Correct Answer: C

Section:

Explanation:

- <https://www.heroku.com/tech-sessions/get-started-wlth-apache-kafka>

QUESTION 90

Universal Containers would like to avoid H12 ("request timeout") and H22 ("connection limit reached") errors when running an e-commerce retail site that must process millions of inbound requests during their one-day semi-annual sale. Which two solution measures should an Architect recommend to prepare for the semi-annual sale?

- A. Implement load balancing using Kafka
- B. Engage with Heroku Support to implement load testing
- C. Enable and load test autoscaling
- D. Perform load test using 10% sample size

Correct Answer: B, C

Section:

Explanation:

- <https://devcenter.heroku.com/articles/event-driven-microservices-with-apache-kafka>

QUESTION 91

Universal Containers (UC) has a front-end web application and a back-end service application running on Heroku. The applications are running in the Common Runtime. Now, UC wants to prevent any public access to the back-end application. Which two Heroku features should an Architect propose?

- A. Private Space VPN Connections
- B. Private Spaces DNS Service Discovery
- C. Heroku Internal Routing
- D. Apache Kafka on Heroku

Correct Answer: A, B

Section:

Explanation:

- <https://devcenterheroku.com/articles/dataclips>

QUESTION 92

What does a follower of Heroku Postgres leader database provide?

- A. A static snapshot of the leader
- B. A in-memory snapshot of the leader.
- C. A read-only replica of the leader.
- D. A writable replica of the leader.

Correct Answer: C

Section:

Explanation:

- <https://devcenter.heroku.com/articles/heroku-connect-database-tables#encrypted-strings>

QUESTION 93

A customer would like to analyze data stored in a single, large, high-traffic Heroku Postgres database using a reporting tool that runs long-running, expensive read queries. What reporting architecture should be recommended?

A client wants to create a Heroku web application that needs to provide a low-latency experience for its users, who are based primarily in Japan. Many common user actions will result in synchronous writes to the



application's Heroku Postgres database. The application does not have advanced compliance requirements. Which should an Architect recommend?

- A. Deploy the application to a Shield Private Space In the Tokyo region
- B. Deploy the application to the Common Runtime in the Tokyo region
- C. Deploy the application to a Private Space in the Tokyo region
- D. Deploy the application to the Common Runtime in the U.S region and use a CDN to accelerate content delivery

Correct Answer: C

Section:

Explanation:

-<https://devcenter.heroku.com/articles/dataclips>

QUESTION 94

Heroku Connect data replication happens:

- A. Near real time for writes to Salesforce. and on a 30-second polling window for writes to Heroku Postgres
- B. Near real time for writes to Salesforce. and either on a polling window or near real time for writes to Heroku Postgres (depending on the user configuration)
- C. Instantly in both directions
- D. Near real time in both directions

Correct Answer: B

Section:

QUESTION 95

A client has a requirement to deploy versions of their app to different regions around the World. Which Heroku Enterprise feature would an Architect recommend to accomplish this?

- A. Using a Heroku StMM Space an app can be deployed to a specific region at the time of app creation.
- B. When creating a Heroku Private Space, you can determine the specific geographic location for the space
- C. You can changed the region for any app in any runtime by using the Heroku CLI.
- D. Using the Common Runtime, an app will automatically be deployed to multiple regions.

Correct Answer: B

Section:

Explanation:

- <https://devcenter.heroku.com/articles/private-spaces#trustecl-ip-ranges>

QUESTION 96

A client has a Heroku Postgres database add-on attached to a production application. The client now wants to access the database from another application that they use to perform administrative tasks. What should an Architect recommend in this scenario?

- A. Copy the database's connection URL and add it to the administrative application as a config var.
- B. Attach the database to an application that acts as a database proxy
- C. Create a fork of the database and attach it to the administrative application.
- D. Attach the same Heroku Postgres add-on to the administrative application

Correct Answer: D



Section:

Explanation:

- <https://devcenter.heroku.com/articles/using-sso-services-with-heroku#prerequisites-for-sso-with-heroku>

QUESTION 97

Which is an effect of "locking" an application that belongs to a Heroku Enterprise Team?

- A. New members of the Enterprise Team are granted no automatic permissions for the application.
- B. The application cannot be deployed until it is unlocked.
- C. Members of the Enterprise Team who are not administrators have their permissions for the application revoked.
- D. Members of the Enterprise Team cannot be granted new permissions for the application until it's unlocked.

Correct Answer: A

Section:

QUESTION 98

A client is writing a Heroku application that requires compliance with PCI DSS Level 1. To accomplish this, they deploy an application to the Shield Private Space. Which statement is true about the application?

- A. The application might still violate PCI DSS Level 1 even though it is deployed to a Shield Private Space
- B. The Shield Private Space guarantees that the application is compliant with PCI DSS Level 1, assuming the application uses only Shield Postgres databases
- C. The application is definitely not compliant with PCI DSS Level 1, because Shield Private Spaces do not provide compliance with it.
- D. The Shield Private Space guarantees that the application is compliant with PCI DSS Level 1

Correct Answer: A

Section:

Explanation:

- <https://devcenter.heroku.com/articles/using-sso-services-with-heroku#prerequisites-for-sso-with-heroku>



QUESTION 99

Universal Containers has a microservices architecture on Heroku. One microservice, named the Metrics Microservice, periodically fetches metrics from a fleet of IoT sensors. Then, the Metrics Microservice is required to send relevant metrics to each of the other microservices using REST.

When a new microservice is added to the architecture, the Metrics Microservice must send metrics to that new microservice too. As a result, adding microservices to the architecture causes performance issues. How should an Architect recommend changing this architecture to improve its scalability?

- A. Configure each microservice to directly fetch the sensor metrics that are relevant to it.
- B. Use Private Space DNS Service Discovery to reduce the amount of time required for the Metrics Microservice to obtain each other microservice's IP address
- C. Configure the other microservices to pull the Metrics Microservice for updates every five seconds
- D. Use Apache Kafka on Heroku to publish metrics to a topic that the other microservices can consume.

Correct Answer: D

Section:

Explanation:

- <https://devcenter.heroku.com/articles/heroku-connect-faq#can-i-use-sharing-rules-to-restrict-record-visibility>

QUESTION 100

Universal Containers collects sensor data from millions of sensors that are located around the World.

Now, they want to process this data on Heroku. What are three advantages of using a microservices architecture with Apache Kafka on Heroku in this scenario? Choose 3 answers.

- A. Kafka is highly available and fault-tolerant
- B. Individual services can be scaled easily for high-volume event processing
- C. Consumers and producers can be scaled independently.
- D. Individual services can efficiently communicate with each other using REST APIs.

Correct Answer: A, B, C

Section:

Explanation:

- <https://www.heroku.com/leeh-sessions/get-started-with-apache-kafka>

QUESTION 101

A company currently uses, and will continue to use, the MulesoftAnypoint Platform integration throughout their architecture. They want to use Heroku Connect to help them integrate Heroku apps with Salesforce apps. What is a benefit of introducing Heroku Connect in this environment?

- A. Heroku Connect provides Salesforce a bidirectional synchronization between Platform Events on Salesforce and Apache Kafka on Heroku
- B. Heroku Connect provides Mulesoft an endpoint that is easily consumable by a back-end integration tool
- C. Heroku Connect provides Salesforce a declarative bidirectional synchronization with Postgres and data proxy capability via Heroku Connect External Objects.
- D. Heroku Connect has a Microsoft connector for access to Heroku Postgres Heroku Redis, and Apache Kafka on Heroku

Correct Answer: C

Section:

QUESTION 102

How does Heroku Connect work with Salesforce authentication?

- A. The end user of a Heroku app authorizes Heroku Connect via OAuth.
- B. OAuth provides Heroku Connect with API tokens after the user authorizes the Heroku Connect application on Salesforce
- C. SAML authorizes Heroku Connect to make API calls
- D. A single integration user's credentials are stored.

Correct Answer: B

Section:

QUESTION 103

A platform as a service (PaaS) is:

- A. A monthly bare-metal server rental service
- B. A way to deliver hardware and software tools, such as those needed for application development, to users as a service
- C. A service to help you buy and install your own server hardware
- D. A piece of software in the cloud that you can use just by logging in

Correct Answer: B

Section:

QUESTION 104

In the hierarchy of cloud services, PaaS generally provides more out of the box than:



- A. Software as a service (SaaS)
- B. Infrastructure as a service (IaaS) and on-premises Infrastructure
- C. Salesforce Marketing Cloud
- D. Visualforce pages

Correct Answer: B

Section:

QUESTION 105

A RESTful APIs:

- A. A methodology (or maximizing the effectiveness of any vacation)
- B. An Actually Pretty Informative meditation session
- C. How the web displays data in a hierarchical format readable by both people and machines
- D. A web-based service that provides standard ways for clients to make requests and receive responses

Correct Answer: A

Section:

QUESTION 106

Which of the following is a good use case for the Heroku Platform?

- A. Proof-of-concept or lab approaches
- B. Empowering mobile apps with an API service
- C. Data manipulation
- D. Customer engagement applications
- E. All of these

Correct Answer: D

Section:

QUESTION 107

Heroku add-ons are cool because they:

- A. Give you the ability to add complex functionality to your application without having to manage the underlying software or infrastructure.
- B. Accessorize your dynos with over-clocked CPU power and faster I/O speeds
- C. Can be provisioned easily from the Heroku Enterprise Flea Market system.
- D. Cost nothing — billing is easy because they're always provided at no additional cost with every Heroku Enterprise account.

Correct Answer: A

Section:

QUESTION 108

Universal Containers utilizes two contractors, Contractor 1 and Contractor 2, to perform repair work Contractor 1 has provided service longer for UniversalContainers and is considered to have more repair work expertise than Contractor 2.

How should a Consultant configure this expertise for Contractor 1 versus Contractor 2?



- A. Assign Contractor 2 as an Excluded Resource
- B. Assign Contractor 1 and 2 different Skill Levels for repair Work Type.
- C. Assign Contractor 1 as a Preferred Resource.
- D. Assign Contractor 1 and 2 different capacities for repair work

Correct Answer: B

Section:

QUESTION 109

- A. Universal Containers is building a new marketing website on Heroku. They want to capture user information on the site and have that data flow into Salesforce for followup. Which Heroku features should an Architect recommend to accomplish this?
- B. Heroku Conned and Heroku Postgres.
 - C. HeroKu Private Spaces and Private Space Peering.
 - D. Heroku Redis and Heroku Teams.
 - E. Heroku Dataclips and the Heroku Platform API.

Correct Answer: A

Section:

QUESTION 110

Universal Containers would like to provide Field Service Technicians the ability to capture details and customer approval on completed work so that the details can be compiled and sent to the customer electronically What should a Consultant recommend to meet this requirement?

- A. Create a custom report.
- B. Create a Process Builder to generate a report.
- C. Use the standard Work Order email template.
- D. Use the standard Service Report

Correct Answer: D

Section:

QUESTION 111

A Field Service Technician wants to view a list of parts consumed during a given time period. The Technician will then use the data to replenish inventory on the truck Which three steps should a Consultant recommend to track the number of parts consumed? (Choose three)

- A. Build a report to view inventory Transactions
- B. Build a report to view Products Consumed on Work Order Line Items.
- C. Build a report using :he Service Appointment Inventory module.
- D. Build a report using the Work Order inventory module.
- E. Build a report to view Products Consumed on Work Orders.

Correct Answer: A, B, D

Section:

QUESTION 112

Universal Containers has enabled Field Service Lightning and is looking to enable Entitlements for Work Orders. What should a Consultant take into consideration?



- A. Creating Entitlements for Cases and Work Orders must be separated.
- B. Managing page layouts and validation rules can be done in Salesforce Lightning
- C. Managing page layouts and milestone trackers can be done in the Salesforce mobile app.
- D. Creating Entitlements for Work Orders requires Lightning to be enabled.

Correct Answer: A

Section:

QUESTION 113

Universal Containers would like to engage contractors and customers directly in their Field Service solution. Which three options will provide read, write, and edit access to Work Order objects? (Choose three.)

- A. Partner Community license
- B. Chatter File Connect
- C. Customer Community license
- D. Chatter Customer Group
- E. Customer Community Plus license

Correct Answer: A, C, D

Section:

QUESTION 114

Universal Containers provides multiple service types (i.e., Installation, Maintenance, Break/Fix, etc.) Each service requires a variety of skills and certifications in order for a resource to excel. Which two configurations should a Consultant implement to meet this requirement? (Choose two)

- A. Use Work Types with Required Skills
- B. Assign the appropriate Skills to Resources
- C. Create Multiple Work Orders Line Items per service.
- D. Select the relevant Work Types for each Resource

Correct Answer: A, B

Section:

QUESTION 115

An existing app is experiencing performance degradation because of multiple executions of multiple, expensive SQL read queries. This SQL code cannot be optimized any further and the frequency of the execution of the queries cannot be reduced. Which two options should an Architect recommend in this scenario?

- A. Hardcode the results of the query into app logic
- B. Add a read-only Heroku Postgres follower
- C. Create a database caching layer
- D. Restart the Heroku Postgres server to reclaim cache

Correct Answer: B, C

Section:

Explanation:

- <https://devcenter.heroku.com/articles/using-sso-services-with-heroku#end-user-account-creationand-removal>

QUESTION 116

When designing a Heroku application, which two approaches observe the Twelve-Factor methodology? Choose 2 answers.

- A. On deployment, Heroku fetches and installs any dependencies that are missing according to the application's list of dependencies
- B. On startup, the application's source code fetches and installs any dependencies that are missing according to the application's list of dependencies.
- C. The application's database configuration is stored in the application's Profile
- D. The application's database configuration is stored in the application's config vars.

Correct Answer: A, D

Section:

Explanation:

- <https://devcenter.heroku.com/articles/heroku-connect-database-tables#encrypted-strings>

QUESTION 117

Universal Containers is developing a Salesforce app that invokes a Heroku app's web service, which asynchronously generates customer invoices. The Heroku app is deployed to a Private Space. When an invoice is ready, the Heroku app sends a POST request to the Salesforce REST API. Which two options should an Architect recommend to ensure that neither the Salesforce nor the Heroku app is accessible from the public internet? Choose 2 answers.

- A. Restrict the Private Space's trusted IP range to Salesforce IP addresses
- B. Restrict the Private Space's trusted IP range to Universal Containers' VPN
- C. Restrict the Salesforce connected app's login IP ranges to Universal Containers' VPN
- D. Restrict the Salesforce connected app's login IP ranges to the stable outbound IP addresses of the Private Space

Correct Answer: A, D

Section:

Explanation:

- This is no VPN connection and a trusted IP range is used to limit the trusted outside application's IP address And there is document related to this use case:

<https://devcenterheroku.com/articles/establish-trust-private-space-and-salesforce#salesforceheroku-apps>

QUESTION 118

Which three actions can a user perform on an app in a Heroku Enterprise Team, if that user has been granted only the "deploy" permission for that app? Choose 3 answers.

- A. Provision an add-on with a free plan
- B. Manage the app's config vars.
- C. Transfer the app to another Enterprise Team.
- D. Roll back a release

Correct Answer: A, B, D

Section:

Explanation:

- <https://devcenter.heroku.com/articles/heroku-connect-database-tables#encrypted-strings>

QUESTION 119

A client currently runs a Ruby script in a one-off dyno each time they deploy their Go application to Heroku. The development team wants the script to be executed before the application is deployed because it performs necessary database migrations. Which approach should an Architect recommend?

- A. Modify the Go buildpack to install Ruby, and run the script from the `_profile`



- B. Convert the Ruby release script to Go and execute it on application startup
- C. Use both Go and Ruby language buildpacks, and run the Ruby script with release phase
- D. Define different process types for the Ruby script and the Go application in the app's Profile.

Correct Answer: C

Section:

Explanation:

- There are many scenarios in which a single buildpack is not sufficient when building an application.

This includes cases when you need to: Run a buildpack for each language your app uses For example, run a JavaScript buildpack for assets and a Ruby buildpack for your application Run a daemon process such as pgbouncer with your application. Pull in system dependencies with apt. You can check the following for more information: <https://devcenter.heroku.com/articles/using-multiple-buildpacksfor-an-app>

QUESTION 120

Universal Containers wants to give Field Technicians the ability to create follow-up appointments if they are unable to complete a Work Order due to missing inventory What should a Consultant implement to meet this requirement?

- A. Implement a Macro to generate Service Appointments on the existing Work Order
- B. Implement a Quick Action to create a new Work Order Line item on the existing Work Order
- C. Implement a Quick Action to create a new Service Appointment on the existing Work Order
- D. Implement a Custom Button to Create a Service Appointment on the existing Work Order

Correct Answer: C

Section:

