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Magento Certified Professional Cloud Developer

Version 1.0

Exam A

QUESTION 1
You are working with a new developer who needs to be able to deploy code and view logs on Magento Commerce Cloud.

What must you do to give them access?

A. In the `.magento.app.yaml` file, add their email under Users. They need to enter their SSH public key.
B. Add their SSH public key to a file named `.ssh/authorized_keys` and deploy the change.
C. In the Cloud Project Web UI, click Add User to add their email. They need to enter their SSH public key.
D. Add a Magento admin user for them and paste the SSH public key into their user's SSH Key field, which is available only on Magento Commerce Cloud.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference: https://devdocs.magento.com/cloud/before/before-workspace-ssh.html

QUESTION 2
You have a Starter project. Your code is ready for testing in the Staging environment, but you need the latest data from Production.

What do you do to update the Staging environment?

A. Log in to the Project Web UI, choose the Staging environment, and click Sync
B. Log in to the Project Web UI, choose the Staging environment, and click Merge
C. Checkout the Staging branch and use the `git push origin -f` command
D. Checkout the Production environment and use the `magento-cloud sync` CLI command

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference: https://devdocs.magento.com/cloud/live/stage-prod-migrate-prereq.html

QUESTION 3
You need to specify the admin password using an environment variable. You have created an environment variable `env:ADMIN_PASSWORD` with a valid password. When attempting to log in to the Magento Admin it is not accepting the new password.

How do you correct the environment variable?

A. The Sensitive option is checked by default and must be disabled
B. The `env:ADMIN_PASSWORD` variable can only be used for an initial installation
C. The environment variable should not have the `env:` prefix
D. The `ADMIN_PASSWORD` variable should be configured via `.magento.env.yaml`

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: https://devdocs.magento.com/cloud/env/environment-vars_magento.html

QUESTION 4
While investigating an inherited Magento Commerce Cloud project, you notice the following `SCD_MATRIX` configuration in `.magento.env.yaml`:

```
stage:
global:
    SCD_MATRIX:
      "magento/backend":
language:            -
en_US
```

What is the effect of this configuration?

A. Static content for frontend themes is generated during the deploy phase
B. All frontend theme static content will be reused from the previous deployment
C. Only the static content for the adminhtml area will be generated
D. Static content for all locales will be generated for all frontend themes

Correct Answer: D
Section: (none)
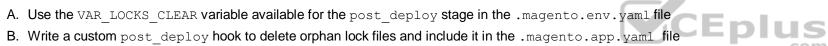**Explanation**

Explanation/Reference:
Reference: https://devdocs.magento.com/cloud/env/variables-deploy.html

QUESTION 5
A project has a Magento cron job implemented to export new order data to a file. This process can also be triggered by a custom `bin/magento` command. The functionality uses a lock file in `var/locks` to prevent concurrent execution.

There are instances when the process gets locked after Production deployments and order data is not exported.

How do you prevent this from happening?

A. Use the `VAR_LOCKS_CLEAR` variable available for the `post_deploy` stage in the `.magento.env.yaml` file
B. Write a custom `post_deploy` hook to delete orphan lock files and include it in the `.magento.app.yaml` file
C. Use the `VAR_LOCKS_CLEAR` variable available for the build stage in the `.magento.app.yaml` file D. You must access the Production environment and delete the lock file

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 6
While launching a site migrated from Magento 1, you are instructed to change the website `CNAME` record in your DNS provider by Magento for go live.

What is the purpose of setting this record?

A. Setting this record causes sent email to be properly authenticated and not show in junk folders.
B. Setting this record enables the page caching service for your site.
C. Setting this record is needed on Pro to allow upsizing servers without downtime.
D. Setting this record reduces the time it takes for customers to start seeing your Magento 2 site.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Reference: https://devdocs.magento.com/cloud/live/site-launch-checklist.html

QUESTION 7 While setting up a Magento project, you run the
following command:

```
magento-cloud variable:update ADMIN_USERNAME --value=alice
```

What will this command do?

A. Configure the Magento Commerce Cloud tools to use alice for API call authentication.
B. Change your username to alice for logging into the magento-cloud CLI tool.
C. Update the Magento `cloud/admin/username` config variable to alice.
D. Change the username of the default administrator account to alice.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 8
Exploring the Production environment, you find `MYSQL_USE_SLAVE_CONNECTION` is enabled.

What is the purpose of this setting?

A. To split the database tables between the three Production servers and improve performance.
B. To enable fault tolerance on the MySQL cluster.
C. To utilize the read-only slave servers and improve the overall performance.
D. To allow database backups from a MySQL slave server with minimal impact on the Production site.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: https://devdocs.magento.com/cloud/env/variables-deploy.html

QUESTION 9
A client has an in-house design team which manages content on their Magento Commerce Cloud project. This content is rapidly changing and they would like the ability to maintain their own stylesheets in a structured way without affecting site uptime.

How do you achieve this on the Integration branch?

A. Modify the writeable directories on the Integration Environment by using the `.magento.env.yaml` file.
B. Add a custom command to the build hook in the `.magento.app.yaml` file to retrieve the stylesheets from a client hosted location.
C. The Magento Infrastructure Team needs to create a writable directory in which the stylesheets can be uploaded.
D. Use the `.magento.app.yaml` file to create a mount in the `pub` directory.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 10
You are setting up a third-party integration only for the Production environment, which connects to an external RabbitMQ server.

Where do you put the configuration?

A. In the `app/etc/env.php` file

B. In the `QUEUE_CONFIGURATION` variable added in the Project Web UI or magento-cloud CLI

C. In the `env:QUEUE_CONFIGURATION` variable added in the Project Web UI or magento-cloud CLI

D. In the `QUEUE_CONFIGURATION` variable in the `.magento.env.yaml` file

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference: https://devdocs.magento.com/cloud/project/project-conf-files_services-rabbit.html

QUESTION 11 You are migrating an existing Magento 2 website to Magento Commerce Cloud. After setting up the project you would like to migrate the database to the Integration branch. The database import fails with a disk space error.

How do you migrate the database without data loss?

A. Configure the mysql disk size using a variable in the `.magento.env.yaml` file

B. Open a Magento Support ticket to increase the Integration branch disk size

C. Trim down the database to a smaller size

D. Configure the mysql disk size in the `.magento/services.yaml` file

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 12
Magento Commerce Cloud comes with a variety of additional features that sets it apart from the on-premise Magento Commerce and Magento Open Source platforms.

What feature improves the release update process and simplifies commands to create a backup of the database, apply custom patches, and verify environment configuration?

A. Docker environment
B. Magento Cloud-specific CLI
C. Cloud configuration wizards
D. ECE-Tools package

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Reference: https://devdocs.magento.com/cloud/bk-cloud.html

QUESTION 13
You need to increase the Admin Session Lifetime up to 86400 seconds for the branch named Integration and children branches, but not for the Staging and Production branches.

How do you update this on the Integration branch and its child branches?

A. On your local environment, set the Admin Session Lifetime in the Magento admin backend under `Stores > Configuration > Advanced > Admin > Security` then dump this setting into the app/etc/config.php file and commit this file

B. Add the following variable on the Integration branch and set its value to 86400:`env:CONFIG_STORES_DEFAULT_ADMIN_SECURITY_SESSION_LIFETIME` C. Run the following Magento CLI command: `php bin/magento config:set admin/security/session_lifetime 86400`

D. On the Integration environment, set the Admin Session Lifetime in the Magento admin backend under `Stores > Configuration > Advanced > Admin > Security`

Correct Answer: D
Section: (none)
Explanation
Explanation/Reference:
Reference: https://community.magento.com/t5/Magento-1-x-Programming/Magento-1-Admin-Session-time-countdown-clock/td-p/106004

QUESTION 14
You are a technical admin on a Magento Commerce Cloud account. A coworker needs to submit a support request with Magento Support.

What is needed to enable support ticket access?

A. Ask the account owner to add the user to shared access.
B. Ask the launch manager to create a support account for this user.
C. Change the environment access role to contributor for this user.
D. Update the project role of this user to administrator.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 15 You are upgrading a project to the latest version of Magento Commerce Cloud and part of the process involves a PHP version upgrade. This is now ready to be tested by the QA Team on the Integration environment.

How do you apply the PHP version upgrade?

A. Change the PHP version in the `.magento.app.yaml` file and re-deploy
B. SSH into the Integration environment and upgrade PHP manually
C. Change the `PHP_VERSION` configuration in the `.magento.env.yaml` file and re-deploy
D. Use the `magento-cloud` CLI tool to update the `PHP_VERSION` variable

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference: https://devdocs.magento.com/cloud/project/project-upgrade.html

QUESTION 16
On a project that deploys static content during the build phase, a merchant states the deploy phase is still taking too long. You consider turning off JavaScript minification to reduce the build time.

Besides reducing the build phase time, what two consequences does turning off JavaScript minification have? (Choose two.)

A. The deploy artifact size will be decreased because of the larger JavaScript can be symlinked
B. Browsing the store will be slower because larger JavaScript files have to be downloaded
C. The deploy phase will be shorter because JavaScript can be symlinked from init instead of copiedD. The build phase will be longer because the additional pass of JavaScript merging

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 17
After deploying to Staging for the first time with the Fastly module installed, you notice that Fastly is not caching pages. Page caching works properly in a local development environment.

What two steps are required to make Fastly cache pages? (Choose two.)

A. Activate the module by setting Caching Application to Fastly CDN.
B. Connect the Fastly shield using the Shield setting in the Magento admin.
C. Enable the Fastly connection by running `magento-cloud fastly:setup`.
D. Populate VCL in Fastly by clicking on Upload VCL to Fastly in the Magento admin.

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Reference: https://devdocs.magento.com/cloud/cdn/configure-fastly.html

QUESTION 18 You are updating a Magento Commerce Cloud project from version 2.2.5 to 2.3.0 with
the command

`composer require magento/product-enterprise-edition:2.3.0`

However, composer is unable to complete the task because the installed version of `magento/magento-cloud-metapackage` is not compatible.

How do you upgrade Magento to the desired version?

A. Create a new project based on `magento/project-enterprise-edition:2.3.0`, then add ece-tools, custom modules and themes again with composer and migrate the data
B. Run composer require `magento/magento-cloud-metapackage:">=2.3.0 <2.3.1" --update-with-dependencies`
C. Revert the `composer.json` to the last commit before the update and run the command again with the `--with-dependencies` argument
D. Remove `magento/product-enterprise-edition` from the root `composer.json` requirements and run `composer update`

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: https://devdocs.magento.com/cloud/project/ece-tools-upgrade-project.html

QUESTION 19
Magento Support advises you to upgrade to the latest release of ece-tools matching the project's Magento Commerce version 2.3.1.

How do you do that?

A. Require the exact version with `composer require magento/ece-tools:2.3.1-pX` where `X` is the latest release number
B. Clone the repository `github.com/magento/ece-tools` and copy the `src/` folder to `vendor/magento/ece-tools/src`
C. Run the command `composer update magento/ece-tools`
D. Run the command `ece-tools self-upgrade`

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: https://devdocs.magento.com/cloud/project/ece-tools-update.html

QUESTION 20
You are adding a new website to the Magento store you manage. This website will run on the same instance of Magento to take advantage of shared integration processes

When accessing the new website URL, it redirects to the original website. The files in `/media/` and `/static/` do not redirect. The correct URL is present in the website configuration.

What step must you complete for the URL to stop redirecting?

A. Deploy an updated `app/etc/config.php` that includes the website URL.

B. In the Project Web UI, add a separate branch for the new website, and set the URL in the appropriate branch variable.

C. Deploy an updated `magento-vars.php` that maps the hostname to the website code.

D. In the Project Web UI, add a JSON variable mapping website codes to URLs.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 21 You are going to create a backup of an Integration branch before implementing some new feature.

What are two ways to create the backup of the Integration branch? (Choose two.)

A. Create a snapshot using the `ece-tools snapshot:create` command

B. Create a snapshot using the snapshot button in the Project Web UI

C. Create a snapshot using the `magento-cloud snapshot:create` command

D. Submit a support ticket requesting a backup be made

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 22
A merchant using Magento Commerce Cloud Pro reports an issue with an order missing transaction data. The application uses a payment gateway integration which posts a series of callbacks to Magento.

You would like to retrieve a complete list of calls to build a timeline of what happened.

How do you achieve this?

A. Use the `magento-cloud environment:logs` command to retrieve the `access.log` file from Production

B. Use SSH to access all nodes and investigate the `access.log` files

C. Use the `magento-cloud environment:ssh` command to access the environment and investigate the `access.log` file D. View the `access.log` file in the Project Web UI

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Reference: https://devdocs.magento.com/cloud/project/log-locations.html

QUESTION 23 After contacting Magento Support, you were advised to permanently enable the Redis `disable_locking` option.

How do you implement this on a Production environment?

A. Add `disable_locking = true` into the `php.ini` file in the Magento project root.

B. Modify the `.magento.app.yaml` file to add the `REDIS_SESSION_CONFIGURATION` environment variable.

C. Add the `SESSION_CONFIGURATION` environment variable into `.magento.env.yaml` with the correct value.

D. In `app/etc/env.php`, add `disable_locking: 1` inside the Redis session configuration block.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Reference: https://support.magento.com/hc/en-us/articles/360000448493-Redis-issue-causes-delay-with-Magento-Admin-login-or-checkout

QUESTION 24
Your client is expecting a five-day sale where the traffic will approximately double. Your instance is consuming all available resources on all three nodes so upsizing one level is appropriate.

How many upsize days will this event use?

A. Five
B. Eight
C. Ten
D. Fifteen

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference: https://support.magento.com/hc/en-us/articles/360041138511-How-to-request-temporary-additional-cloud-capacity-for-Magento-Commerce-Cloud

QUESTION 25 You are reviewing a third party extension for Magento Commerce Cloud
compatibility.

Which pattern makes a module incompatible with Magento Commerce Cloud?

A. Direct instantiation by the `ObjectManager` of non-generated classes in `.phtml` template files
B. Direct instantiation by the `ObjectManager` in non-constructor methods with the class also being referenced in the constructor signature
C. Configuration referencing generated `Proxy` classes in the modules `etc/frontend/di.xml` file
D. Direct instantiation of generated classes by the `ObjectManager` without the class being referenced in the constructor

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 26
You have a project deploying Static Content on the deploy phase. This process is optimized using the `SCD_MATRIX` configuration in the deploy stage of the `.magento.env.yaml` file.

After moving the process to the build phase, Static Content Deployment is no longer optimized and all themes and all locales are generating.

How do you resolve this?

A. The `SCD_MATRIX` configuration is only used on the deploy phase
B. Add the `--use_scd_matrix` flag to the `ece-tools build:generate` command in the `.magento.app.yaml` file
C. Move the `SCD_MATRIX` configuration to the build stage of the `.magento.env.yaml` file
D. Configure the variable `ENABLE_SCD_MATRIX` in the `.magento.env.yaml` file

Correct Answer: C

Section: (none)
Explanation

Explanation/Reference:
Reference: https://devdocs.magento.com/cloud/deploy/static-content-deployment.html

QUESTION 27
In a Pro plan project, you notice there is a mail delivery problem in the Integration environment.

How do you troubleshoot this?

A. Change the log level in the `log:email` section of the `.magento.env.yaml` file
B. Update the SPF record in the DNS
C. Look in the `var/log` directory for the `mail.log` file
D. Move the test to the Staging environment

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 28 You are reviewing a third party extension for Magento Commerce Cloud compatibility. You discover the module writes to a custom directory called `internal/` within the Magento base directory.

The directory has to be shared by all web servers.

What do you do so the module can be used on Magento Commerce Cloud?

A. Create a symlink from `/tmp/internal` to the `internal/` folder
B. Declare a shared mount for `the internal/` directory in `.magento.app.yaml`
C. Request the vendor make the directory configurable in the Magento admin
D. Add a patch for extension so it uses the subdirectory `var/internal/` instead

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 29
Your team is working on two major changes affecting the product page and you want the ability to implement and test these changes in parallel. Your company is using the Pro plan How

do you achieve this using the Project Web UI?

A. Create branches from Production to ensure the catalog is up to date
B. Create branches from Integration to facilitate merging
C. Create branches from the Magento Cloud Docker image to ensure the changes are made on the most recent codebaseD. Create branches from Staging to ensure the changes are tested on an environment similar to Production

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 30
For the Magento search backend, you would like to move from MySQL to Elasticsearch for your existing project. You have confirmed that your `services.yaml` file is configured appropriately. However, after your most recently deployment, you notice the search engine is still set to MySQL.
What additional step must be completed?

A. Configure the `relationships` section of the `.magento.app.yaml` file
B. Find an appropriate Elasticsearch module to require with Composer
C. Specify Elasticsearch as the search engine in the Magento Admin panel
D. Remove the MySQL service from the `services.yaml` file

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Reference: https://devdocs.magento.com/cloud/project/project-conf-files_services-elastic.html

QUESTION 31
You created a custom module that is not functioning as expected on your Integration environment. You would like to debug the code using Xdebug. Xdebug is missing from the output of the command `php -m`.

What are two ways to load the Xdebug module? (Choose two.)

A. Create a custom `php.ini` that includes the extension
B. You log a support request as PHP modules can only be installed by support
C. Add `xdebug` into the `.magento.app.yaml` file under the extensions section
D. In the `phpserver` folder, create a folder `conf.d` and add a file `ext-xdebug.ini` that includes the extension

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 32
You are debugging an issue with an extension that only occurs in Production. The extension writes relevant information using the debug log level.

However, that specific information is not getting written to the logs on Production.

How do you fix this?

A. Enable developer mode in Production for a short period to gather the required information
B. Write a custom logger that writes the debug information to `var/log/custom.log`
C. Enable debug logging in `app/etc/config.php` locally and deploy it to Production
D. Enable debug logging in the Admin interface in Production

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Reference: https://devdocs.magento.com/guides/v2.3/config-guide/cli/logging.html

QUESTION 33
You cloned the Integration branch to your local environment and imported the database dump from Integration. You performed `composer install` and `bin/magento setup:install`. While placing an order using PayPal Express, the following error occurs:

```
PayPal gateway has rejected request. Security header is not valid (#10002: Security error).
```

What is the cause of this error?

A. A new encryption key has been created on the `setup:install` action.

B. The folder `var/session` has no write permissions for the web server user.

C. PayPal Sandbox API credentials are not valid for the local environment.

D. The PHP extension `mcrypt` has not been installed locally.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 34 You want to exclude some themes from static assets generation only for integration environments. You are trying to choose where to set the `SCD_EXCLUDE_THEMES` variable in the `.magento.env.yaml` file or in the Project Web UI.

What prevents the usage of the `.magento.env.yaml` file?

A. Child environments inherit the variable when you use the `.magento.env.yaml` file

B. The code from integration would be merged into the Staging and Production branches

C. The `.magento.env.yaml` file can contain only deployment configuration options, which are only available if static assets generation runs on the deploy phase D. Only variables which are set using the Project Web UI has the option visible during build

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 35
You fixed an issue in a third-party extension using a patch named `m2-hotfixes/extension-fix.patch`.

Before committing the patch to the repository you want to test it locally.

How do you test a patch in a clean working copy?

A. Commit the patch because the pre-commit hook will abort the commit if any hotfix causes an issue

B. Run the command git apply `m2-hotfixes/extension-fix.patch`

C. Run the command `bin/magento setup:hotfix:apply --patch=m2-hotfixes/extension-fix.patch`

D. Configure a deploy hook in `.magento.app.yaml` that executes `vendor/bin/ece-tools hotfix:apply --dry-run`

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference: https://devdocs.magento.com/cloud/project/project-patch.html

QUESTION 36
You need to test a data-related issue occurring on your Production environment. You replicate the data to your staging environment utilizing the Synchronization tool. When you access your staging environment, you are redirected to your Production environment. Your project is on the Starter plan.

How do you prevent the redirect?

A. Use the `magento-cloud route:add` command to create a route to the Staging URL

B. Modify the `MAGENTO_CLOUD_ROUTES` environment variable on your staging environment

C. Enter the proper URL in the Routes for Staging under the Environment Settings in the Project Web UI

D. Configure `UPDATE_URLS` to true in the `.magento.env.yaml` file

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 37
You upgraded an integration branch in your Magento Commerce Cloud project, but received an error during the deploy phase.

What are the two ways to review details about the deployment? (Choose two.)

A. View the logs in the `var/reports/` directory on the remote server

B. View the `exception.log` file in the `var/log/` directory

C. View the `deploy.log` file in the `/var/log/` directory

D. View the `cloud.log` file in the `var/log/` directory

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 38
Your company decided to move a Magento store to a subdomain `https://shop.company.com/` and redirect traffic from the old URL `https://company.com/` to the new one. Your company is using the Starter plan.

How do you implement the redirect?

A. Configure a rewrite rule in the `.htaccess` file in the `pub` folder.

B. Submit a support ticket to add the redirect on the web-server level.

C. Add a route using the `MAGENTO_CLOUD_ROUTES` environment variable.

D. Add a route into the `.magento/routes.yaml` configuration file.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Reference: https://devdocs.magento.com/cloud/project/project-routes-more-redir.html

QUESTION 39
You built a custom command that runs during the build phase, but it is not generating files properly. Magento Support provided a patch that you added to the project.

What must you do to ensure this command runs after the patch has been applied?

A. Ensure your custom command runs after the ece-tools build hooks.

B. Move your custom command to run in the deploy phase.

C. Apply the patch manually in your custom command, because patches are always applied at the end of deployment.

D. Nothing, because patches are already applied when any hook runs.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference: https://support.magento.com/hc/en-us/articles/360031098011-Deployment-fails-with-Error-building-project-The-build-hook-failed-with-status-code-1-

QUESTION 40
You add a new Composer dependency utilizing `composer require`. After testing `composer install` locally, you add the Composer `lock` and `json` files and perform a deployment. The build phase fails as Composer is unable to resolve the dependencies.

Why did this happen?

A. The versions of PHP on your local environment and integration environment differ
B. Your commit needs to contain the updated vendor folder
C. The project cache should have been cleared with the `magento-cloud:project-build-cache` command D. You did not execute the install locally with `--require-dev`

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 41 You want to move static content deploy to the build phase of deployments.

Which two actions do you take? (Choose two.)

A. Download and commit `app/etc/config.php` from production
B. Run `ece-tools scd-deploy:set build` on production
C. Run `ece-tools config:dump` on production
D. Use `scp` to copy `app/etc/config.php` from local to production

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 42
You need to install a third party extension which is provided in a tar archive. It expands to a folder structure in `app/code/MyCompany/MyModule`.

Which action do you take to install the extension?

A. Use the `composer package` command to create a composer package and install it with composer require
B. Use the composer-merge-plugin to enable support for extension in `app/code`
C. Add it to the project in `app/code` and commit it to git
D. Request composer repository credentials from the extension vendor

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 43 A merchant states the downtime during the deployment phase is too long. After analysis, it is determined the static content deployment is the longest process. Static content needs to be available immediately after deployment.

How can the static content deployment time be reduced?

A. Move static content deploy to the build phase
B. Commit `var/view_preprocessed` to git so it already exists during the deployment phase
C. Set `stage/global/SKIP_SCD` to true
D. Reduce the number of store views per website

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference: https://support.magento.com/hc/en-us/articles/115003169574-Reduce-deployment-downtime-on-Magento-Cloud-with-Configuration-Managementsachin

QUESTION 44 You need to directly access the database that belongs to your Integration environment from your local environment.

How do you achieve this?

A. Find the connection information from the `env.php` file and connect with your local MySQL client
B. Collect the SSH connection details using `magento-cloud ssh --pipe` and connect with your local MySQL client
C. Add the `ece-tools db-expose` command to your deploy hook
D. Use the `magento-cloud db:sql` command

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 45
A custom module that adds a new console command for `bin/magento` has just been built. Deploying this to the Production environment on your Pro plan site causes the build phase to fail.

You find this occurs when you inject certain Magento core classes in your console command class. The command works on your local environment.

Why does this occur?

A. The injected class logged to the exception log file, but a different logging implementation is used during deployment.
B. Files were written to the root Magento directory, which is read-only on Magento Commerce Cloud.
C. A connection to the database was attempted, which is not available during the build phase.
D. The three webservers generated different content, which causes the build to be rolled back for safety.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 46
You need to disable a module on a Magento Commerce 2.3 Cloud project and remove its database tables. The module uses the declarative schema system to manage its database changes.

Which action do you take?

A. Run `bin/magento module:disable MyCompany_MyModule` on the local environment and then commit and deploy the `app/etc/config.php` file

B. Run `bin/magento module:disable MyCompany_MyModule` on the production environment and download and commit the `app/etc/config.php` file

C. Delete the module from the git repository leaving the record in `app/etc/config.php` intact and deploy the changes

D. Remove the module line from the `app/etc/config.php` file on the local environment and then deploy the file

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: https://devdocs.magento.com/guides/v2.3/extension-dev-guide/declarative-schema/db-schema.html

QUESTION 47
You added the `env:ADMIN_PASSWORD` variable in the Project Web UI to change a Magento admin user's password. After deployment you are unable to login using the new password.

What causes this?

A. When you add a variable, the build stage is being skipped, because the codebase has not been changed. You must push a commit to trigger a full deploy

B. Deploy scripts read configuration from the environment variable called `$MAGENTO_CLOUD_VARIABLES`, which contains an array of variables which were set without the `env:` prefix C. Variables which are set using the Project Web UI are not available on the build phase, the admin password variable should be set in the `.magento.env.yaml` file

D. The sensitive option is required for `env:ADMIN_PASSWORD` variable

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 48
You are tasked to improve the user experience of the most visited product pages after deploying releases to Production. The aim is to reduce initial page load times.

How do you achieve this?

A. Create a custom build command and use CURL to cache the page

B. Use the Magento Admin to configure Fastly to cache the pages after deployment

C. Modify the `post_deploy` hook in the `.magento.app.yaml` file to include the URLs as arguments to the ece-tools command D. Use the `WARM_UP_PAGES` variable in the `.magento.env.yaml` file to cache the pages during `post_deploy`

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: https://devdocs.magento.com/cloud/project/project-conf-files_magento-app.html

QUESTION 49
You added a `grunt autoprefixer` command, which adds CSS vendor prefixes like `-webkit-` and `-moz-` to CSS files generated by the `setup:static-content:deploy` command.

After deployment you still see CSS files without prefixes. The hooks section in the `.magento.app.yaml` file is:

```
hooks:   build: |
npm install     grunt
autoprefixer
    php ./vendor/bin/ece-tools build:generate
php ./vendor/bin/ece-tools build:transfer
deploy: |
    php ./vendor/bin/ece-tools deploy
```

Considering static assets are being generated on the build phase, why are CSS prefixes missing?

A. Custom commands can be run only on the deploy phase
B. CSS vendor prefixes must be added to CSS files locally and committed as part of a theme
C. The static assets were not generated yet when the `grunt` command ran
D. The custom command was run before static assets were transferred into the `init` directory

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 50 You migrated a live On-Premise application to Magento Commerce Cloud Pro. The performance on Staging and Production is fine. However, the internal testing team notices overall performance degradation on the Integration environment.

Why is this happening?

A. The Integration branch uses Platform-as-a-Service shared resources
B. Xdebug is always enabled on the Integration branch
C. The Staging and Production environments are consuming all available resources
D. The Integration branch services have not been optimized in the `.magento/services.yaml` file

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 51
You need to get code with a backend order placement security related fix into production as quickly as possible.

The project currently deploys static content during the build phase with both `stage/global/SKIP_SCD` and `stage/deploy/STATIC_CONTENT_SYMLINK` set to `false`.

What setting in `magento.env.yaml` minimizes the overall deployment time?

A. Remove all themes from `stage/global/SCD_MATRIX` so they will not be generated
B. Set `stage/global/STATIC_CONTENT_SYMLINK` to `true` to symlink static assets to the init directory
C. Set `stage/global/SCD_COMPRESSION_LEVEL` to `0` to avoid the compression overhead D. Set `stage/global/SKIP_SCD` to `true` to completely avoid static content processing

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: https://devdocs.magento.com/cloud/env/variables-build.html

QUESTION 52 You are testing an integration to an external service that requires you to configure an access key in an environment variable. You created a new environment to validate the functionality. The variable must only impact this environment.

How do you configure the variable?

A. Use the `magento-cloud` CLI utility with the environment, inheritable and level flags
B. Add the variable to the variables section under Project Settings specifying inheritance level
C. Add the variable to the `.magento.env.yaml` file specifying the environment and inheritable

D. Use `vendor/bin/ece-tools` to generate a local `config.php` file and commit the setting

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: https://devdocs.magento.com/cloud/env/variables-deploy.html

QUESTION 53
After installing a Magento extension that implements a new class for a site and deploying this to an integration environment, you see it is not working.

In the logs, you discover the following error:

`The specified /app/generated/code/MyCompany/MyModule/MyClassFactory.php could not be written failed to open stream: Read-only file system`

How do you fix this?

A. A support ticket should be filed with Magento Commerce Cloud to fix the filesystem issue.
B. The extension should be modified so it does not write to `generated` at runtime.
C. The file should be generated locally and pushed via Git.
D. The `GENERATED_CODE_WRITABLE` variable should be set to true whenever using extensions.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference: https://support.magento.com/hc/en-us/articles/115002541893-Error-read-only-file-system-when-accessing-the-read-only-directory-var-generation-

QUESTION 54
Your project is in a phase where the locales that will be used are still being determined. You need to configure your project in a manner that will allow them to be changed dynamically.

How can you accomplish this?

A. Remove the `system/default/general/locale` configuration from the `app/etc/config.php` file
B. Configure `SCD_ON_DEMAND` to `true` in the `.magento.env.yaml` file
C. Run the command `vendor/bin/ece-tools locales:unlock` on the environment
D. Configure `DYNAMIC_LOCALES` in the `SCD_MATRIX` to `true` in the `.magento.env.yaml` file

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference: https://devdocs.magento.com/cloud/live/sens-data-over.html

QUESTION 55
The merchant wants to offer specific pricing in different currency markets, so you have set up multiple websites to cover each currency.

Now they want customers to be directed to the appropriate website based on the country they are in.

How do you configure this?

A. Use the Country Mapping in the Fastly settings to map country codes to store views.
B. In the Project Web UI, enable the Website IP Mapping setting.
C. Update `magento-vars.php` to detect the country code from the IP address and map it.

D. Build or install a Magento extension that changes the default currency code on application init.

Correct Answer: D
Section: (none)
Explanation
Explanation/Reference:

QUESTION 56 After making changes to custom commands in the deploy and build phases, you deploy to Staging. The deployment takes much longer than expected, and Staging is in maintenance mode for most of this time.

What do you do to reduce site downtime?

A. Set the `SKIP_MAINTENANCE_SCD` variable to true in the `.magento.env.yaml` file.
B. Add a custom command to the post_deploy phase to activate deferred deployment.
C. Move custom commands from the deploy phase to the build phase.
D. Update the `SCD_MATRIX` variable to include only necessary custom commands.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 57
You want to improve the ability to monitor Production deployments by setting up an email notification system.

How do you achieve this?

A. Enable Deployment Notifications under Configure Environment > Settings in the Project Web UI
B. Build a custom module which hooks into the deployment phase and sends emails in real-time
C. Configure log notifications in the `.magento.env.yaml` file
D. Use the `magento-cloud environment:deploy:email` command to enable email notifications

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: https://devdocs.magento.com/cloud/env/setup-notifications.html

QUESTION 58
A merchant with three websites using `en_GB`, `fr_FR` and `de_AT` requires a change in locale to `de_DE` for the German Production website. After running the following command on Production you notice the frontend design of the German website is broken:

```
php bin/magento config:set --scope=websites --scope-code=german general/locale/code de_DE
```

Static content deployment is set up on the deploy phase.

Why did this happen?

A. Static Content is not pre-generated for the `de_DE` locale
B. `de_DE` is not writeable in `pub/static` and has to be configured via the `.magento.app.yaml` file
C. The `magento-cloud environment:deploy` command has not been run yet to generate static content for the new locale
D. `STATIC_CONTENT_SYMLINK` is not configured in the `.magento.env.yaml` file

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
QUESTION 59 To secure composer credentials you want to remove the `auth.json` file from the project repository.

How do you do that?

A. The build phase runs on a separate server and variables are not available there, you must keep the credentials in the `auth.json` file, but you can replace the password with its hash
B. Add the `env:COMPOSER_AUTH` variable on the project level and make it visible on the build phase
C. Put the composer credentials into `/mnt/build/.config/composer/auth.json`
D. Add the `COMPOSER_AUTH` variable with the sensitive option enabled

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 60 You have created a new Integration branch and did not receive the administrator email with the password reset link.

What is prohibiting the email from sending?

A. You have not enabled the Magento Email module with `bin/magento module:enable`
B. The Outgoing Emails setting is disabled under Environment Settings in the Project Web UI
C. Email is always disabled on all integration branches
D. You have not configured SendGrid for this environment

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference: