

14.4.6 Practice Questions

Candidate: Obinna Nwoke (onwoke1)

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Score: 100%

Passing Score: 80%

Question 1.

✓ Correct

A script developer is working on some new features for administering Linux servers and wants to add the features without changing the master branch.

Which of the following is the BEST command to use?

- ☐ **git merge**
- ☒ **git branch**
- ☐ **git config**
- ☐ **git pull**

Explanation

git branch is the best command to use as it lists all the local branches in the current repository and allows a branch from the master.

git config is used to set the author name and email address to be used for commits.

git merge is used to merge a specified branch's history into the current branch.

git pull is used to get and merge the changes on the remote server to the local directory.

References

 **14.4.3 Using a Git Repository**

 **14.4.4 Version Control Using Git Facts**

q_ver_ctrl_git_branch_lp6.question.fex

A technician wants to obtain the ABRT repository from a git online service.

Which of the following commands should be used?

- ☐ `git init git@github.com:abrt/abrt.git`
- ☐ `git push git@github.com:abrt/abrt.git`
- ☒ `git clone git@github.com:abrt/abrt.git`
- ☐ `git add git@github.com:abrt/abrt.git`

Explanation

The command to obtain the ABRT repository is **git clone git@github.com:abrt/abrt.git**. The **git** command is used with the **clone** command to copy the repository from the online service to the local file system.

git add is used to add a file to the staging area.

git inti is used to start a new repository.

git push is used to send committed changes to the master branch of a remote repository.

References

 **14.4.1 Git Concepts**

 **14.4.3 Using a Git Repository**

 **14.4.4 Version Control Using Git Facts**

q_ver_ctrl_git_clone_lp6.question.fex

Cindy, a technician, created a Perl script named `server-info.pl` that is used for gathering server information. Cindy wants to add the file to the repository and has executed the command **git add server-info.pl**.

Which of the following commands should Cindy execute NEXT?

- ☒ **git commit -m "Adding server-info.pl script"**
- ☐ **git add**
- ☐ **git stash**
- ☐ **git push**

Explanation

Cindy should use the **git commit -m "Adding server-info.pl script"** command. The **git commit** command is used to permanently save records or snapshots of the file in the version history.

git add is used to add a file to the staging area. This command would add the file, but that step has already been done.

git push is used to send committed changes to the master branch of a remote repository.

git stash is used to temporarily store any files that are being tracked and have been modified.

References

 **14.4.1 Git Concepts**

 **14.4.2 Installing Git**

 **14.4.3 Using a Git Repository**

 **14.4.4 Version Control Using Git Facts**

q_ver_ctrl_git_commit_lp6.question.fex

After installing Git and before the first commit is made, the user.name and user.email properties need to be configured.

Which of the following commands can you use to configure these properties?

- ☐ **git clone**
- ☒ **git config**
- ☐ **git init**
- ☐ **git commit**

Explanation

You can use the **git config** command to set the author name and email address to be used for commits.

git clone is used to get a repository from a URL or server.

git commit is used to save records or snapshots of the file permanently in the version history.

git init is used to create a new repository.

References



14.4.4 Version Control Using Git Facts

q_ver_ctrl_git_config_lp6.question.fex

Which of the following files can you configure to ignore certain file types from being committed to the local Git repository?

- ☒ .gitignore
- ☐ ignore.conf
- ☐ gitignore.ini
- ☐ .config.worktree

Explanation

.gitignore can be configured with file types that should never be committed to the local Git repository.

Example .gitignore

*.exe

*.dll

*.log

*.zip

.config.worktree is a configuration file that displays the git worktree.

gitignore.ini and ignore.conf are not files used by Git.

References



14.4.3 Using a Git Repository



14.4.4 Version Control Using Git Facts

q_ver_ctrl_git_gitignore_lp6.question.fex

When a Git repository is created using **git init**, Git creates a directory named *.git*. This directory contains all the information necessary for that repository to work correctly.

Which of the following directories contain the scripts that are run during each Git phase?

- ☐ refs
- ☐ objects
- ☐ config
- ☒ hooks

Explanation

The hooks directory contains scripts that are run during meaningful phases of the Git process.

The objects directory is used to store an archive of the current working directory during a commit.

The config file contains the settings for the repository, such as the URL of the remote server, username, email, etc.

The refs directory stores references to the simple name for raw SHA-1 values used by Git to reference a commit.

References



14.4.4 Version Control Using Git Facts

q_ver_ctrl_git_git_lp6.question.fex

Which of the following is the BEST command for showing the commit history of a repository?

- ☐ **git commit --history**
- ☐ **git -h commit**
- ☐ **git history**
- ☒ **git log**

Explanation

git log is used to list the version history for the current branch.

git history, **git -h commit**, and **git commit --history** are not Git commands.

References



14.4.4 Version Control Using Git Facts

q_ver_ctrl_git_log_lp6.question.fex

Which of the following is the BEST command to use for joining a branch to a master?

- ☐ **git push**
- ☒ **git merge**
- ☐ **git config**
- ☐ **git branch**

Explanation

The **git merge** command is best to use for joining a specified branch's history into the current branch.

git branch is used to list all the local branches in the current repository and allows a branch to be created from the master.

git config is used to set the author name and email address to be used for commits.

git push is used to send committed changes to the master branch of a remote repository.

References



13.5.3 Virtual Networking Facts



14.4.4 Version Control Using Git Facts

q_ver_ctrl_git_merge_lp6.question.fex

Alberto, a system administrator, is working with another system administrator, Leroy, to update the bash scripts used on various servers. The bash scripts are stored in a Git repository. Alberto updated a script that may have also been updated by Leroy.

Which of the following commands SHOULD Alberto execute before he commits his changes to the repository?

- ☒ **git pull**
- ☐ **get branch**
- ☐ **git commit**
- ☐ **git clone**

Explanation

git pull is used to retrieve and merge the changes on the remote server to the local directory. With **git pull**, Alberto can pull down changes and merge them into his local files. This will help avoid conflicts if the file may have been updated and committed by Leroy during the time that Alberto was also working on the file.

git commit is used to save records or snapshots of the file permanently in the version history.

git clone is used to retrieve a repository from a URL or server.

git branch is used to list all the local branches in the current repository and allows a branch from the master.

References

 **14.4.1 Git Concepts**

 **14.4.3 Using a Git Repository**

 **14.4.4 Version Control Using Git Facts**

q_ver_ctrl_git_pull_lp6.question.fex

Lydia, a developer, recently made changes to some files and wants to update the changes on the master branch.

Which of the following is the BEST command to use for this purpose?

- ☐ **git merge**
- ☐ **git init**
- ☐ **git stash**
- ☒ **git push**

Explanation

Lydia can use **git push** to update changes to the master branch of a remote repository.

git stash is used to temporarily store any files that are being tracked and have been modified.

git merge is used to merge a specified branch's history into the current branch.

git init is used to initialize a new Git repository.

References



14.4.1 Git Concepts



14.4.3 Using a Git Repository



14.4.4 Version Control Using Git Facts

q_ver_ctrl_git_push_lp6.question.fex