

2.6.4 Practice Questions

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Score: 100%

Passing Score: 80%

▼ **Question 1:** ✓ Correct

All users at your site are using the bash shell. You want to set a variable that will apply to every user and always have the same value. Which of the following shell configuration files should you place this variable in?

- ☐ **.bash_login**
- ☐ **.bashrc**
- ☐ **.bash_profile**
- ➡ ☒ **/etc/profile**

Explanation


The **/etc/profile** file runs for all users. Variables in this file are set for every user.

The **.bash_profile** file is located in a user's home directory and runs only for that specified user.

The **.login** file is located in a user's home directory and runs only for that specified user.

The **.bashrc** file is located in a user's home directory and runs only for that specified user.

References

-  **2.5.1 Environment Variables**
-  **2.5.3 Environment Variable Facts**

q_shell_conf_lp5_01.question.fex

▼ Question 2:

✓ Correct

A user has requested that each time she presents credentials to log in, a particular entry be written to a log file. This action will only apply to her, and she is using the bash shell. Which of the following configuration files is the BEST to modify to enable this action?

- ☐ **.sh**
- ☐ **/etc/profile**
- ➡ ☒ **.profile**
- ☐ **.bashrc**

Explanation



The **.profile** file exists within the user's home directory and is executed upon each login. Modifying this script will enable this action for only this user.

The **.sh** file is a custom hidden script file, but would not be executed during user login.

While typically the **.bashrc** file is run by a login script, all Linux distributions don't guarantee to run this file during user logins.

The **/etc/profile** file will run for all users instead of one specific user.

References

-  2.5.1 Environment Variables
-  2.5.3 Environment Variable Facts

q_shell_conf_lp5_02.question.fex

▼ Question 3:

✓ Correct

Which of the following files would you use to create aliases that are applied when a specific user starts a bash session? (Select TWO. Each answer is an independent solution.)

☐ **/etc/bashrc**☒ **~/.bashrc**☐ **~/.bash_logout**☐ **/etc/profile**☒ **~/.profile****Explanation**

The **~/.profile** file runs for individual users.

The **~/.bashrc** file runs for individual users.

The **/etc/profile** runs for all users.

The **~/.bash_logout** file runs for an individual user, but only runs when the user logs out.

The **/etc/bashrc** runs for all users.

References **2.5.1 Environment Variables** **2.5.3 Environment Variable Facts**

q_shell_conf_lp5_03.question.fex

▼ Question 4: ✓ Correct

After a user starts a bash session and the script in `/etc/profile` is applied, if all of the following files exist, which will be run next?

- ➡ ☒ `~/.bash_profile`
- ☐ `~/.bash_logout`
- ☐ `~/.profile`
- ☐ `~/.bash_login`

Explanation



If the `~/.bash_profile` file exists, it is run after the `/etc/profile` file. No additional configuration script files will be run.

If the `~/.bash_login` file exists, it will only be run in the absence of the `~/.bash_profile` file. No additional configuration script files will be run.

If the `~/.profile` file exists, it will only be run in the absence of the `~/.bash_profile` file and the `~/.bash_login` file.

The `~/.bash_logout` file is only run when the user logs out.

References

-  2.5.1 Environment Variables
-  2.5.3 Environment Variable Facts

q_shell_conf_lp5_04.question.fex