

Powershell and scripting tasks

Task 1: Create a User with a Non-Interactive Shell

Description

To accommodate the backup agent tool's specifications, the system admin team at xFusionCorp Industries requires the creation of a user with a non-interactive shell.

Your Script

```
#!/bin/bash
# Create a user named 'anita' with a non-interactive shell
# '/sbin/nologin' prevents the user from logging in via a shell.
useradd -s /sbin/nologin anita

# Check if the previous command was successful
if [ $? -eq 0 ]; then
    echo "User 'anita' was successfully created with a
non-interactive shell."
else
    echo "Failed to create user 'anita'."
fi
```

Explanation

- `#!/bin/bash`: This is a shebang that tells the system to execute the script using the bash shell.
- `useradd`: This command is used to create a new user account.
- `-s /sbin/nologin`: This flag specifies the user's login shell. By setting it to `/sbin/nologin`, you prevent the user from being able to log in and access a standard shell.
- `anita`: This is the name of the user you are creating.
- `if [$? -eq 0]`: This is a conditional statement that checks the exit status of the previous command. An exit status of 0 indicates that the command was successful.
- `echo`: This command prints the specified message to the terminal, providing feedback on whether the user creation was successful or not.

Task 2 : Create the User with an Expiry Date

Description

As part of the temporary assignment to the Nautilus project, a developer named ravi requires access for a limited duration. To ensure smooth access management, a temporary user account with an expiry date is needed. Here's what you need to do:

Create a user named ravi on App Server 1 in Stratos Datacenter. Set the expiry date to 2024-03-28, ensuring the user is created in lowercase as per standard protocol.

Your Script

Bash

```
sudo useradd -e 2024-03-28 ravi
```

Explanation

Once you are logged in to the server, you can use the `useradd` command with the `-e` flag to create the user with an expiry date.

- `sudo`: This command is necessary to run `useradd` with administrative privileges.
- `useradd`: The command to create a new user account.
- `-e 2024-03-28`: The `-e` (or `--expiredate`) flag sets the expiry date for the account. The date format is `YYYY-MM-DD`.
- `ravi`: The username to be created.