RockyOS Activation Script

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Prerequisites

Before running this script, please ensure the following conditions are met:

1. Azure CLI is installed

   - Azure Cloud Shell already has Azure CLI installed.
   - If you are using a local environment, make sure Azure CLI is installed beforehand.

2. You are logged in to Azure

   - If you are using Azure Cloud Shell, you are automatically logged in.
   - If you are using a local environment, make sure you run az login or equivalent to log in.

3. jq command is available

   - The script uses jq to parse JSON. If you are using a local environment, ensure jq is installed.

Usage Instructions

This script automatically accepts the terms for the Rocky Linux HPC image, enabling you to use it for Azure VMs. Follow the steps below:

1. Obtain the Script

- Download or copy the script file (e.g., enable_rocky.sh) to your local environment or Azure Cloud Shell.
- In Azure Cloud Shell, you can use the "Upload/Download" feature to upload the script.
- Make sure Azure CLI and jq are installed if you're using a local environment.

2. Run the Script

- If the script is not executable, grant execution permissions:

```
chmod +x enable_rocky.sh
```

- Run the script:

```
./enable_rocky.sh
```

- After execution, a list of available subscriptions is displayed, and you will be prompted to select one.

3. Select a Subscription

- Based on the numbers displayed, choose the subscription you want to use.
- Enter the corresponding number to confirm your selection. The script will then run the az vm image terms accept command and accept the terms for the Rocky Linux HPC image.

4. Verify the Results

- If "RockyOS activation successful." is displayed, the terms were accepted successfully.
- The script will also show a JSON output confirming the acceptance.

What the Script Does

Here is the workflow of this script:

1. Retrieve Subscription List

- It uses the az account list command to get the list of available subscriptions and parses the output with jq.

2. Subscription Selection

- The user is prompted to select a subscription. The input is validated, and the corresponding subscription ID is identified.

3. Accept Terms for the Rocky Linux HPC Image

- The script runs the following command to accept the terms for the Rocky Linux HPC image:

```
az vm image terms accept \
  --publisher ciq \
  --offer rocky-8-hpc-ai \
  --plan rocky-linux-hpc-8-10-nvidia \
  --subscription <SELECTED_SUBSCRIPTION_ID>
```

- If acceptance succeeds, the accepted field in the JSON output will be true, and the script will display "RockyOS activation successful."

Troubleshooting

1. "No subscriptions found." is displayed

- You may be logged in with an account that has no associated subscriptions. Check your subscriptions in the Azure Portal.
- Try logging in with a different account:

```
az logout
az login
```

2. "RockyOS activation failed." is displayed

- The script could not properly accept the terms. Check the status of your subscription and permissions, then try again.
- Verify whether accepted is true in the JSON output.

3. Other errors

- If you entered a subscription number outside the displayed range, an error will be thrown. Provide a valid number.
- If you are using an outdated version of Azure CLI, errors may occur. Check your version with az --version and update as needed.

Notes

- Using Azure Cloud Shell
  - Azure Cloud Shell is a browser-based shell environment with Azure CLI preinstalled.
  - You can upload files via the "Upload/Download" button in Cloud Shell.
- Local Environment
  - You can also run this script on a local environment if Azure CLI and jq are installed.
  - Make sure you are logged in to Azure (e.g., az login) before running the script locally.
- Customization
  - This script is for accepting terms for a specific Rocky Linux HPC image. If you wish to accept terms for a different image, modify the --publisher, --offer, and --plan parameters accordingly.
- Permissions and Security
  - Proper access rights to the selected subscription are required to run the script. Verify your role assignments in Azure AD if necessary.