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Experiment No: 05

Aim: To understand terraform lifecycle, core concepts/terminologies and install it on a Linux Machine.

Software Used: ubuntu

Code & Output

The screenshot shows the Terraform website's Linux installation page. The left sidebar contains navigation links: Terraform Home, Install Terraform, Operating Systems (macOS, Windows, Linux, FreeBSD, OpenBSD, Solaris), Release information, Next steps, Resources (Tutorial Library, Certifications, Community Forum), and a search bar. The main content area is titled 'Linux' and includes a 'Package manager' section with a terminal code block for Ubuntu/Debian: `wget -O - https://apt.releases.hashicorp.com/gpg | sudo gpg --dearmor -o /usr/share/keyrings/hashicorp-archive-keyring.gpg; echo "deb [arch=$(dpkg --print-architecture) signed-by=/usr/share/keyrings/hashicorp-archive-keyring.gpg] https://apt.releases.hashicorp.com/ubuntu <version> <codename> <component>" | sudo tee /etc/apt/sources.list.d/hashicorp.list; sudo apt update && sudo apt install terraform`. Below this is a 'Binary download' section with four download buttons for 386, AMD64, ARM, and ARM64, all version 1.13.2. A 'Note' section at the bottom advises completing a tutorial. The right sidebar contains 'About Terraform', 'Featured docs' (Introduction to Terraform, Configuration Language, Terraform CLI, HCP Terraform, Provider Use), and a 'Try HCP Terraform for free' button.



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```
aws/                                sanikaexp3_files/
netkit-2.8/                          terraform_1.12.2_linux_amd64/
netkit-kernel-i386-K2.8/            terraform_1.13.2_linux_amd64/
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~/Downloads$ cd
Aptab/                              sanikaexp2_files/
aws/                                sanikaexp3_files/
netkit-2.8/                          terraform_1.12.2_linux_amd64/
netkit-kernel-i386-K2.8/            terraform_1.13.2_linux_amd64/
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~/Downloads$ cd terraform_1.13.2_linux_
amd64/
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~/Downloads/terraform_1.13.2_linux_amd64
$ ls
LICENSE.txt  terraform
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~/Downloads/terraform_1.13.2_linux_amd64
$ sudo mv terraform /usr/local/bin/
[sudo] password for apsit:
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~/Downloads/terraform_1.13.2_linux_amd64
$ terraform -v
Terraform v1.13.2
on linux_amd64
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~/Downloads/terraform_1.13.2_linux_amd64
$
```

Conclusion: In this experiment we understand terraform lifecycle, core concepts/terminologies and install it on a Linux Machine.