LABS FOR LEARNING

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Summary

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About Project

This project aims to help students or professionals to learn the main concepts of all technologies

Getting Started

This is an example of how you may give instructions on setting up your project locally. To get a local copy up and running follow these simple example steps.

Prerequisites

This is an example of how to list things you need to use the software and how to install them.

- git
- Virtual Box and extencion
- Vagrant

Installation

Clone the repo

```
git clone https://github.com/marcossilvestrini/labs.git
```

Usage

Use this repository for get learning about LPIC2 202-450 exam

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Roadmap

- ☑ Create repository
- ☑ Update main README.mf
- ☑ Fix all github errors(PAT,Tokens,actions.etc)
- ☑ Linux
  - ☑ Add bind stack
    - ☑ Up servers
    - ☑ Install packages
    - ☑ Configure services
    - ☑ Create pipeline for test services
  - ☑ Add dhcp stack
    - ☑ Up servers
    - ☑ Install packages
    - ☑ Configure services

☐ Light ☑ Create pipeline for test services

  ☑ Add openldap stack
    ☑ Up servers
    ☑ Install packages
    ☑ Configure services
    ☑ Create pipeline for test services

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    ☑ Install packages
    ☑ Configure services
    ☑ Create pipeline for test services

  ☑ Add nginx stack
    ☑ Up servers
    ☑ Install packages
    ☑ Configure services
    ☑ Create pipeline for test services

  ☑ Add postfix stack
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    ☑ Create pipeline for test services

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    ☑ Install packages
    ☑ Configure services
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  ☑ Add nfs stack
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☑ Docker
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    ☑ Create script for install and configure docker
  ☑ Generate Custom Docker App Image
    ☑ Create dockerfile
    ☑ Build Image
    ☑ Push image to docker hub
    ☑ Create container for test image

- 🔲 Light ☑ Create pipeline for send test in slack channel
- ☐ Kubernetes
- ☑ Terraform
    - ☑ Install and Configure Terraform
        - ☑ Create script for install and configure terraform
    - ☑ Create resource in AWS Provider
        - ☑ Create aws ec2 instance in AWS
        - ☑ Create HTTP App in ec2 instance
        - ☑ Create test for HTTP App
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- ☑ Azure
    - ☑ Create Script for Install and Configure Azure cli
    - ☑ Create scripts for provisioning resources in Azure with cli
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        - ☑ create-app-function
        - ☑ create-app-service
        - ☑ create-container-app
        - ☑ create-cosmosdb-database
        - ☑ create-group-user-aad
        - ☑ create-kubernetes-app
        - ☑ create-sql-single-database
        - ☑ create-storage-account
        - ☑ create-storage-blob-container
        - ☑ create-storage-file-share
        - ☑ create-vm-add-disk
        - ☑ create-vm-add-nsg-rule-http
        - ☑ create-vm-update-nsg-rule-ssh
        - ☑ create-vm
        - ☑ create-vnet
    - ☑ Create github action for test resources
- ☐ AWS
    - ☑ Create Script for Install and Configure aws cli
    - ☐ Create scripts for provisioning resources in aws with cli
    - ☐ Create github action for test resources

Contributing

Contributions are what make the open source community such an amazing place to learn, inspire, and create. Any contributions you make are **greatly appreciated**.

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If you have a suggestion that would make this better, please fork the repo and create a pull request. You can also simply open an issue with the tag "enhancement". Don't forget to give the project a star! Thanks again!

1. Fork the Project
2. Create your Feature Branch (`git checkout -b feature/AmazingFeature`)
3. Commit your Changes (`git commit -m 'Add some AmazingFeature'`)
4. Push to the Branch (`git push origin feature/AmazingFeature`)
5. Open a Pull Request

License

- This project is licensed under the MIT License * see the LICENSE.md file for details

Contact

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🐦 Follow @mrsilvestrini

Project Link: https://github.com/marcossilvestrini/labs

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Acknowledgments

- Richard Stallman's
- GNU/Linux FAQ by Richard Stallman
- GNU
- GNU Operating System
- GCC Compiler
- GNU Tar
- GNU Make
- GNU Emacs
- GNU Packages
- GNU/Linux Collection
- GNU Grub Bootloader
- GNU Hurd
- Kernel
- Linux Kernel Man Pages
- Linux Standard Base

- Filesystem Hierarchy Standard
- File Hierarchy Structure
- FSF
- Free Software Directory
- Free Software
- Copyleft
- GPL
- GNU Lesser General Public License
- BSD
- Open Source Initiative
- Creative Commons
- License LTS
- Debian Free Software Guidelines
- X11 Org
- Wayland
- GNU GNOME
- GNOME
- XFCE
- KDE Plasma
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