5 May - Pre requisites

Class Summary: Prerequisite Installation ⚒

Overview

This session focuses on setting up the essential tools required for the upcoming course. We installed two key applications: Draw.io, a powerful diagramming tool, and Visual Studio Code (VS Code), a versatile source code editor.

Installation of Draw.io

1. Download the Installer

- Visit the official [Draw.io website](https://www.draw.io/).

- Navigate to the "Download" section.

- Choose the appropriate installer for your operating system (Windows, macOS, Linux).

2. Install Draw.io

- Run the downloaded installer.

- Follow the on-screen instructions to complete the installation process.

- Launch Draw.io once the installation is complete to ensure a successful setup.

3. Verify Installation

- Create a new diagram or open a sample file to confirm that Draw.io is functioning correctly.

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Installation of Visual Studio Code (VS Code)

1. Download VS Code

- Visit the official [Visual Studio Code website](https://code.visualstudio.com/).

- Locate the download button and choose the installer for your operating system (Windows, macOS, Linux).

2. Install VS Code

- Run the installer and proceed with the installation by following the prompts.

- During the installation, you may have the option to add VS Code to the system PATH—consider selecting this option for easier command-line access.

3. Extensions for Development (Optional)

- Explore the Extensions Marketplace within VS Code.

- Install extensions relevant to your development needs, such as language support, code snippets, and version control integrations.

4. Verify Installation

- Open Visual Studio Code.

- Create a new file or open an existing one to ensure that the editor is working as expected.

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Terraform Installation Steps

1. **Search Terraform download on Google.**

- Open your preferred web browser and search for "Terraform download".

2. **Click on Install Terraform Page Link.**

- Navigate to the official Terraform website or the HashiCorp website, where you can find the installation instructions.

3. **Download AMD64 based on your required OS, and extract the zip.**

- Choose the appropriate version of Terraform for your operating system (e.g., Windows, macOS, Linux) and download the AMD64 zip file.

- Once downloaded, extract the contents of the zip file to a directory of your choice.

4. **Copy the path where the zip got extracted.**

- Navigate to the directory where you extracted the Terraform zip file.

- Copy the full path of this directory.

5. **Go to Environment Variables and Paste the path in the PATH Variable.**

  - Open the System Properties window on your computer.

    - For Windows:

      - Right-click on "This PC" or "My Computer" and select "Properties".

      - Click on "Advanced system settings" on the left panel.

      - In the System Properties window, click on the "Environment Variables..." button.

    - For macOS and Linux:

      - Open the terminal.

  - In the Environment Variables window, find the "Path" variable in the System Variables section and select it.

    - Click on the "Edit..." button.

    - Add a new entry by pasting the copied path of the Terraform directory.

    - Click "OK" to close the windows and save the changes.

6. **Open CMD and check if Terraform got installed successfully.**

  - Open Command Prompt (CMD) on Windows or Terminal on macOS/Linux.

  - Type `terraform --version` and press Enter.

- If Terraform is installed correctly, you will see the version information displayed in the terminal.

Congratulations! You have successfully installed Terraform on your system.

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Conclusion

By completing these installation steps, you've ensured that Draw.io and Visual Studio Code are properly set up on your system. These tools will play a crucial role in our upcoming sessions, providing a seamless environment for both diagram creation and coding tasks.

Feel free to reach out if you encounter any issues or have questions related to the installation process. We look forward to diving into the core content of the course in the next session! 🚀

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