

ForTeraTerm

This project provides a Python script to launch Tera Term with specified parameters. Tera Term is a terminal emulator software that supports serial port, SSH, and telnet connections.

Version

1.0.0

version	content	detail
1.0.0	New release	

Features

- Launch Tera Term from a Python script
- Specify connection parameters such as host or serial port

Prerequisites

- Python 3.x
- Tera Term installed on your system

Installation

1. Clone this repository to your local machine:

```
git clone https://github.com/yourusername/teraterm-launcher.git
cd teraterm-launcher
```

2. (Optional) Create and activate a virtual environment:

```
python -m venv venv
source venv/bin/activate # On Windows, use `venv\Scripts\activate`
```

3. Install required Python packages (if any):

```
pip install -r requirements.txt
```

Usage

1. Ensure Tera Term is installed on your machine. The default installation path is usually `C:\Program Files (x86)\Tera Term\ttermpro.exe`.
2. Modify the `teraterm_path` variable in `launch_teraterm.py` to match the installation path of Tera Term on your system.
3. Run the script:

```
python launch_teraterm.py
```

4. The script will launch Tera Term with the specified parameters. You can customize the parameters in the script as needed.

Script Explanation

`launch_teraterm.py`

This script uses the `subprocess` module to launch Tera Term. The main function `launch_teraterm` constructs a command with the specified parameters and executes it.

Parameters

- `teraterm_path`: The path to the Tera Term executable.
- `host`: The host or IP address to connect to (for network connections).

Example Code

```
import subprocess
import os

def launch_teraterm():
    # Tera Term executable path
    teraterm_path = r"C:\Program Files (x86)\Tera Term\ttermpro.exe"

    # Connection parameters
    host = "your_host" # e.g., "192.168.1.1"

    # Command to launch Tera Term
    command = [teraterm_path, '/C=1', f'/H={host}']

    # Launch Tera Term
    try:
        subprocess.run(command, check=True)
        print("Tera Term has been launched successfully.")
    except subprocess.CalledProcessError as e:
        print(f"Failed to launch Tera Term: {e}")
    except FileNotFoundError:
        print("Tera Term executable not found. Please check the path.")
```

```
if __name__ == "__main__":  
    launch_teraterm()
```

Customization

You can customize the script to suit your needs by changing the command-line arguments passed to Tera Term. For more details on Tera Term's command-line options, refer to the Tera Term documentation.

Troubleshooting

Tera Term executable not found: Ensure the `teraterm_path` variable is correctly set to the location where Tera Term is installed. Failed to launch Tera Term: Check the connection parameters and ensure that Tera Term is properly installed.

License

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Contributing

Contributions are welcome! Please open an issue or submit a pull request.

Acknowledgements

Tera Term - Terminal emulator software