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INSTALLATION GUIDE

PREREQUISITES FOR RUNNING FROM SOURCE

MACOS USERS

PyRDPConnect requires XQuartz to function correctly on macOS. XQuartz is an open-source version of the X.Org X server, a component necessary for running remote desktop applications.

Step 1: Install XQuartz

1. Visit the official XQuartz website: XQuartz Download Page.
2. Download and install the latest version of XQuartz.
3. (Optional) Restart your computer to ensure all necessary components are initialized.

Why XQuartz? XQuartz provides the necessary X11 environment that FreeRDP relies on for graphical rendering on macOS. Without it, the application may not display the RDP session correctly.

Step 2: Install Python and Required Packages

```
brew install python3
pip3 install pyqt5
```

Step 3: Clone the Repository and Run from Source

Clone the PyRDPConnect repository:

```
git clone https://github.com/LaswitchTech/PyRDPConnect.git
```

Navigate to the src directory and execute the application:

```
python3 src/client.py
```

LINUX USERS

For Linux users, PyRDPConnect requires Python 3, PyQt5, and FreeRDP to function correctly.

Step 1: Install Required Packages

Update your package list and install the necessary packages:

```
sudo apt-get update
sudo apt-get install -y git python3 python3-pip python3-pyqt5 python3-pyqt5.qtquick python3-pyqt5.sip freerdp2-x11
```

Step 2: Clone the Repository and Run from Source

1. Clone the PyRDPConnect repository:

   ```
   git clone https://github.com/LaswitchTech/PyRDPConnect.git
   ```

2. Navigate to the src directory and execute the application:

   ```
   python3 src/client.py
   ```

RUNNING THE PRE-BUILT APPLICATION

MACOS USERS

PyRDPConnect is available as a pre-built macOS application (`.app`). Before using the application, you must install XQuartz.

Step 1: Install XQuartz

1. Visit the official XQuartz website: XQuartz Download Page.
2. Download and install the latest version of XQuartz.
3. (Optional) Restart your computer to ensure all necessary components are initialized.

Step 2: Run the PyRDPConnect Application

1. Locate the `PyRDPConnect.app` in the `dist/macos` directory or where you saved it.
2. Double-click the application to launch it.
3. PyRDPConnect should now open and run as expected.

Troubleshooting: If PyRDPConnect does not open or shows an error related to X11 or XQuartz, ensure that XQuartz is installed and running. You can manually start XQuartz from your Applications folder (`/Applications/Utilities/XQuartz.app`).

LINUX USERS

PyRDPConnect is also available as a pre-built single-file executable on Linux.

Step 1: Download and Install Dependencies

Make sure FreeRDP is installed:

```
sudo apt-get install -y freerdp2-x11
```

Step 2: Run the PyRDPConnect Executable

1. Locate the `PyRDPConnect` executable in the `dist/linux` directory or where you saved it.
2. Make the file executable if it’s not already:

   ```
   chmod +x dist/linux/PyRDPConnect
   ```

3. Run the application:

   ```
   ./dist/linux/PyRDPConnect
   ```

TROUBLESHOOTING COMMON ISSUES

Permission Denied Error: If you encounter a “Permission denied” error, ensure that the script has executable permissions:

```
chmod +x <script_name>.sh
```

XQuartz Issues: If XQuartz does not start automatically, you can manually start it from `/Applications/Utilities/XQuartz.app`.

ADDITIONAL INFORMATION

If you have any questions or need further assistance, feel free to open an issue in the GitHub Repository.

From:
https://laswitchtech.com/ - **LaswitchTech**

Permanent link:
https://laswitchtech.com/en/projects/pyrdpconnect/documentation/installation

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