How To Connect to the Remote KIREAP Ubuntu Desktop

Note: Credentials/ values mentioned in this guide will be user sensitive; it has been already sent to the KIREAP mail IDs in encrypted format.

Contents

Prerequisites:

1. SSH Client (Built-in on macOS and Linux, PuTTY or WSL for Windows)
2. VNC client/Viewer (e.g., TigerVNC viewer, Real VNC viewer or any compatible VNC Client)
3. VPN connection via Twin Gate client as instructions given before (access here)

Step 1: Connect via SSH with Port Forwarding

1. Open the terminal (PuTTY on Windows)
2. Enter the following command, replacing <username> and <server_ip> with appropriate values

```
ssl –L 5093:localhost:5903 <username>@<server_ip>
```

3. If prompted, enter SSH password.

Step 2: Start the VNC server

1. Once connected via SSH, start the VNC server by running:

```
vncserver :3
```

Step 3: Connect with VNC viewer

1. Open your VNC application
2. Enter the following address in the VNC viewer:

```
localhost:5903
```

3. If prompted for a password; please enter VNC password given in the creds file shared.
4. Now you able to see the desktop environment based on Xfce4, feel free to install the required application and use

Step 4: Please Disconnect VNC server after use

1. To disconnect from the VNC session, Simple close VNC viewer
2. To stop VNC server

```
vncserver –kill :3
```

3. To end the SSH session type ‘exit’ or close the terminal window.

Troubleshooting

- If you can't connect, ensure the VNC server is running on the remote system.
- Check that you're using the correct port number (5902 for display :2).
- Verify that your SSH connection with port forwarding is active.
- If you encounter any issues, contact the system administrator for assistance.

Security Notes

- Always keep your SSH and VNC passwords secure and don't share them.
- Remember to stop the VNC server when you're done if you won't be using it for a while.
- The connection is secured through SSH tunneling, so your VNC traffic is encrypted