

Tests for GNOME Remote Desktop

GNOME Remote Desktop is a remote desktop server, that allows users to interact with remote systems, as if the user would directly sit in front of them.

1. Requirements

For the following tests, two systems are needed, one for the server side, the place, where the headless session actually runs, and one for the client side, where the headless session is actually viewed and interacted with.

2. Basic Remote Login test

Initial situation: Remote Login is deactivated on the server side

Test steps:

1. On the server side, open `GNOME Control Center`, navigate to `System -> Remote Desktop -> Remote Login`
2. Set the credentials for the system daemon (username, password)
3. Enable the system daemon via the On/Off switch in the `Remote Login` panel

Observation: The On/Off switch should stay in the On state, the `Port` field should now be populated with the target port (usually the standard RDP port (3389))

4. On the client side, connect with an RDP client (xfreerdp, mstsc, Thincast Remote Desktop client, Remmina, ...) to the server side, accept the server certificate if prompted. The credentials to use are the one specified in the `Remote Login` panel on the server side from step 2.

Observation: A remote GDM greeter should now be shown in the remote desktop session.

5. Select an account on the remote GDM greeter and login as that user

After a successful login, the RDP client gets redirected to the remote user session.

2.1 Interaction with the headless session

Initial situation: The steps in step 1 have been completed

1. In the remote user session, perform a right-click on the desktop, and open the display settings

Observation: `GNOME Control Center` opens with the display settings

2. Try to interact with the opened `GNOME Control Center` window

Observation: The window can be interacted with without noticing a difference between headless and non-headless sessions