FreeRDP Testing Manual

Marc-André Moreau

Awake Coding Consulting Inc.

Contents

1 Introduction **2**

1.1 References 2

2 Serial Redirection **3**

Chapter 1

Introduction

1.1 References

FreeRDP User Manual[1]

FreeRDP Developer Manual[2]

FreeRDP Configuration Manual[3]

[1] https://github.com/awakecoding/FreeRDP-Manuals/blob/master/User/FreeRDP-User-Manual.pdf?raw=true

[2] https://github.com/awakecoding/FreeRDP-Manuals/blob/master/Configuration/FreeRDP-Developer-Manual.pdf?raw=true

[3] https://github.com/awakecoding/FreeRDP-Manuals/blob/master/Configuration/FreeRDP-Configuration-Manual.pdf?raw=true

Chapter 2

Serial Redirection

Connect an usb2serial converter (no need to connect a device)

Run xfreerdp /serial:COM10,/dev/ttyUSB0 /u:demo1 /p:qw /v:servername

Inside the rdp session open a cmd and verify that the port got mapped to COM10 using the change port /query command. This should give the following (or similar) output:

```
change port /query
AUX = \DosDevices\COM1
COM1 = \Device\Serial0
COM2 = \Device\Serial1
COM10 = \Devices\RdpDrPort\;COM10:2\tsclient\COM10
```

Install Putty[1]

Install HyperTerminal[2] (30-day trial)

Open Putty, select (*) serial, enter COM10 in the serial line edit and click the Open button: xfreerdp's CPU usage will immediately raise (25% on my Linux-iMac) to a constant high level until you close putty

Open HyperTerminal, select Menu->File->New Connection, name it COM-10, select COM10 from the "connect using:" dropdown, click ok and again on ok in the next dialog. xfreerdp's CPU usage will immediately increase but less compared to Putty (5% on my box)

Additional Information

[1] http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html
[2] http://www.hilgraeve.com/support/htpe7.exe

Putty and HyperTerminal both use SetCommTimeouts[3]. Putty uses 1ms for ReadIntervalTimeout and Hyperterm 10ms.

Using mstsc I see literally no CPU usage.

[3] http://msdn.microsoft.com/en-us/library/windows/desktop/aa363437