TTworkbench on C1/C50 🔴

First Steps User's Guide

General Information

TTworkbench needs to connect to the license server on the C1/C50 device.

So, for using or configuring TTworkbench you have to make sure that the active profile on the device (see Spirent TestCenter documentation) includes TTworkbench.

For a successful proceeding please follow the instructions step by step! If you need any assistance, please contact Spirent's customer care department:

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1. Installing TTworkbench Client on Your Desktop or Notebook

You can find an introduction to TTworkbench in the file **TTworkbench-First-Steps.pdf**. It also contains a description about the installation. But, for using TTworkbench with a C1/C50, there are some differences that are explained below:

- To make the TTworkbench use the license server running on the device, you have to modify the file **licence.dat** in the TTworkbench installation folder.
    - ✓ Please replace the hostname **ttwb** with the IP address or hostname that you assigned to your C1/C50.
    - ✓ But please, do **not change the ports** listed in there, they are already properly configured to connect to the license server. Just in case you already changed them: You can find the default content of the license.dat in another section of this document.

- After starting TTworkbench for the first time, you have to configure it to connect to the C1/C50.
    - ✓ To do so, open *Window → Preferences* in the main menu bar.
    - ✓ Then open the page *TTCN-3 → Execution - TTman → Engine*.
    - ✓ Select *Remote execution*.
    - ✓ Activate the *Manual server settings* and enter the following values:
        - ▪ Server address = IP address or hostname of the C1/C50
        - ▪ Server port = 30444
        - ▪ Web admin port = 30445

2. Configuring the Device to Run TTworkbench on Specific Ports

The device reserves one of the installed test network cards for TTworkbench, all other cards are still accessible and usable by the Spirent Testcenter desktop software.

To configure which card is reserved for TTworkbench, you have to open the Spirent Testcenter desktop client, connect to your device and open the dialog *Firmware Management* in the main window's *Tools* menu.

There, please select *Activate Test Module Profile* and change the active profile for your device. There is one TTworkbench profile for each of the network cards.

If you choose a non-TTworkbench profile, TTworkbench is deactivated and all network cards and their ports are controlled by Spirent Testcenter.

3. Configuring the Test Network Devices on the C50

To change the configuration of the ports that connect TTworkbench with the system under test, you have to log in to the device via SSH (see below).

The password is **aingee1T**. To activate the changed configuration, enter **reboot** before logging out!

- **On Linux**
  - ✓ ssh -X -p 30222 root@<ip_or_hostname>

- **On Windows**
  - ✓ Configure the SSH tool of your choice for opening a connection using the following parameters:
    - Host: <ip_or_hostname>
    - User: root
    - Port: 30222

2.1. BroadR-Reach Ports

The first two BroadR-Reach ports assigned to TTworkbench are currently configured to work as master, the last two work as slave.

To change this configuration, adjust the **PORT CONFIGURATION** section in the script **/home/root/phyinit/frenzy2_phy_init.sh**.

Please note!

This only has an effect if the active profile on the C1/C50 assigns BroadR-Reach ports to TTworkbench!

2.2. Network Configuration

The four network interfaces are named **vEth0"-"vEth3**.

To change network configuration like IP address, gateway or broadcast address, edit the **IP CONFIGURATION** section in the file **/home/root/ifup.sh**.

To edit the VLAN configuration, edit the **VLAN CONFIGURATION** section in the same file.

4. TTworkbench Usage

You can find more information about TTworkbench in the TTworkbench User's Guide. To open it, first start TTworkbench, then in the main window's menu open *Help → Help Contents*.

Default content of license.dat

```
SERVER ttwb 000000000000 30555
VENDOR TTECH port=30556
```

Example content of license.dat

```
SERVER 192.168.0.100 52005200520F 30555
VENDOR TTECH port=30556
```

Notes

This document is subject to change without notice.

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