Sitraffic sX Demo

Installation Guide V1.0
A001

Intelligent Traffic Systems

SIEMENS

Contents

1. Installation of sX Demo 4
1.1. System Requirements 4
1.2. Installation of sX VMware Image 4
1.3. Installation of Sitraffic smartCore 4
1.4. Installation of Mozilla Firefox 4
1.5. Installation of VMware Player 5
1.6. Configure Sitraffic sX Image for Initial Access 5
2. Further Steps 7
3. Uninstall 8

Preface

This manual explains how to install the Sitraffic sX Demo. It includes:

- Sitraffic sX image (VMware image of the Linux part of the Sitraffic sX traffic controller)
- CBC (signal monitoring unit) simulation running within the Sitraffic sX image
- Sitraffic smartCore (configuration tool of the Sitraffic sX controller)

Some applications are not part of the software delivery due to license regulations. These applications (like Mozilla Firefox or VMWare Player) have to be downloaded and installed separately.

We assume that you are familiar with Microsoft Windows 7, VMware Player and basic road traffic concepts.

1. Installation of sX Demo

1.1. System Requirements

- Microsoft Windows 7 64Bit
- Minimum of 4GB RAM
- Minimum of 4GB free disk space (additional disk space for Mozilla Firefox and virtualization application)
- CPU and BIOS supporting (and enabled) virtualization (see requirements of virtualization application, please)

The Sitraffic sX image (virtualized Sitraffic sX controller) was generated with VMware Player V5.

1.2. Installation of sX VMware Image

You can extract the sX VMware image OmcVm.zip file of the demo distribution anywhere on your system (e.g. to d:\OmcVm). You can keep several versions of sX VMware images parallel in different folders. But it is not recommended because it is not guaranteed that different versions of the sX image are compatible with the same Sitraffic smartCore software version.

1.3. Installation of Sitraffic smartCore

Sitraffic smartCore is the configuration tool for the Sitraffic sX controller. You can use it to configure the Sitraffic sX image as well.

Sitraffic smartCore provides a separate installation executable named Sitraffic.smartCore.Setup.exe located in the Core subfolder, which you can use to start the installation. We recommend using default settings for the installation.

1.4. Installation of Mozilla Firefox

Download and install Mozilla Firefox from homepage:

http://www.mozilla.org

Minimum Mozilla Firefox V16 or higher is needed. We recommend using default settings for the installation. Up to now we tested until version V25.0.1

1.5. Installation of VMware Player

The Sitraffic sX VMware image was built and tested using VMware Player V5 (VMware Player license for professional use can be obtained as part of VMware Fusion 5 Professional). If you have a managed client (CAT-client) you can download a licensed VMWare Player V5 from "UCMS Control Center -> Install Software". Otherwise you can download it from the following homepage:

http://www.vmware.com/go/downloadplayer/

Other players were not tested. Please be aware that the VMWare Player is just free for personal non-commercial use. VMware Player Plus is available for commercial use as a standalone product or as part of VMware Fusion Professional. The license of VMware Fusion Professional is not included.

We recommend using default settings for the VMware Player installation.

After setup finished you can start the provided virtualized Sitraffic sX controller (Sitraffic sX image). Start VMware Player, open the image located in the folder, where you unpacked it, and start this image. Choose "I copied it" when asked for origin of image. Do not install the VMware Tools. After a few seconds, you will see following welcome text: "*Welcome to Siemens C10*".

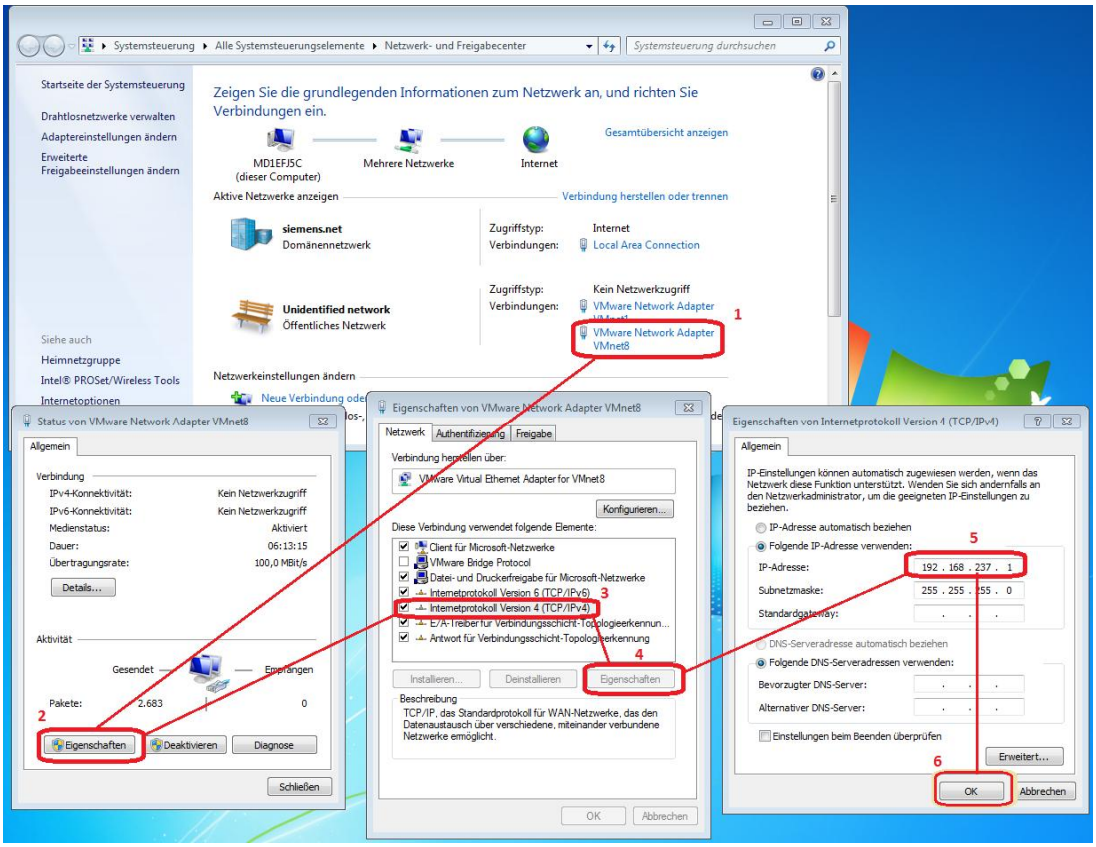
1.6. Configure Sitraffic sX Image for Initial Access

The Sitraffic sX provides an extensive service GUI. You can use this GUI for updating, configuring, monitoring and operating the Sitraffic sX image. For the first access of the controller service GUI, you have to adapt the network settings of your VMware installation:

- Open the network adapters of your Microsoft Windows 7 host system (Start Button -> Control Panel -> (Network and Internet) -> Network and Sharing Center). The setup of VMware Player generates some

network adapters. Adapter *VMnet8* is the virtual network adapter for Network Address Translation (NAT), used as a virtual NAT device.

- Select adapter VMnet8 and choose Properties at context menu. Change the IP V4 address of the VMnet8 adapter to 192.168.237.1 like shown in following figure:



If the virtualized Sitraffic sX VMware image is up and running, the following message is shown in the VMWare Player: "*Welcome to Siemens C10*". Afterwards the Sitraffic sX Service Gui is accessible with your Mozilla Firefox installation at address http://192.168.237.231. You will need a Sitraffic sX Service Gui username and password to login, which is provided in a separate document (or contact your HQ contact person).

The installation is now complete. Nevertheless, we recommend reading the next chapters because they will give you important information you will need later.

2. Further Steps

Sitraffic_sX_WebGui_Manual_en.pdf gives you an overview of the Sitraffic sX Service Gui.

Instructions for using Sitraffic smartCore can be found in the program's user interface and online help, which can be accessed using the button "?" on the upper right of the corresponding dialog/wizard page or by pressing F1 key.

3. Uninstall

To uninstall your Demo installation, do the following steps (we recommend to backup your files before):

- Uninstall Sitraffic smartCore using Start - > All Programs -> Sitraffic smartCore -> Support -> Uninstall Sitraffic smartCore
- Delete your sX VMware image
- Uninstall Mozilla Firefox and VMware Player according to their uninstall descriptions

Further information
is provided by:

Siemens AG
Infrastructure and Cities Sector
Mobility and Logistics Division
Road and City Mobility

Otto - Hahn - Ring 6
D-81739 München

The information in this manual contains descriptions and features which can change due to the development of products. The desired features are only binding if they were agreed upon conclusion of the contract.

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