

## HMI software

TIA Portal

SIMATIC WinCC (TIA Portal)

### SIMATIC WinCC (TIA Portal) options > WinCC WebNavigator

#### Overview

##### WinCC WebNavigator

- Option for SIMATIC WinCC or WinCC Runtime Professional for operating and monitoring plants over the Internet, company Intranet or LAN.
- Configuration from:
  - A web server with SIMATIC WinCC as single-user or server version and a web client that permits operator control and monitoring of a current WinCC project using the Internet Explorer. In combination with WinCC V7, the WebNavigator Server can be operated on a MultiClient

##### Licenses

- A (server-based) license is required for the WebNavigator. This is a graduated license based on the number of simultaneous web client access operations and can be incremented at any time using additive web client licenses (countable licenses).
- The WebNavigator client software can be installed as many times as required without the need for a license.
- A (client-based) license is required for the WebNavigator diagnostics. This provides access to all web servers with a WebNavigator Server or WebNavigator Diagnostic Server license.
- The WinCC/WebUX and WinCC/WebNavigator licenses can be combined, if necessary.

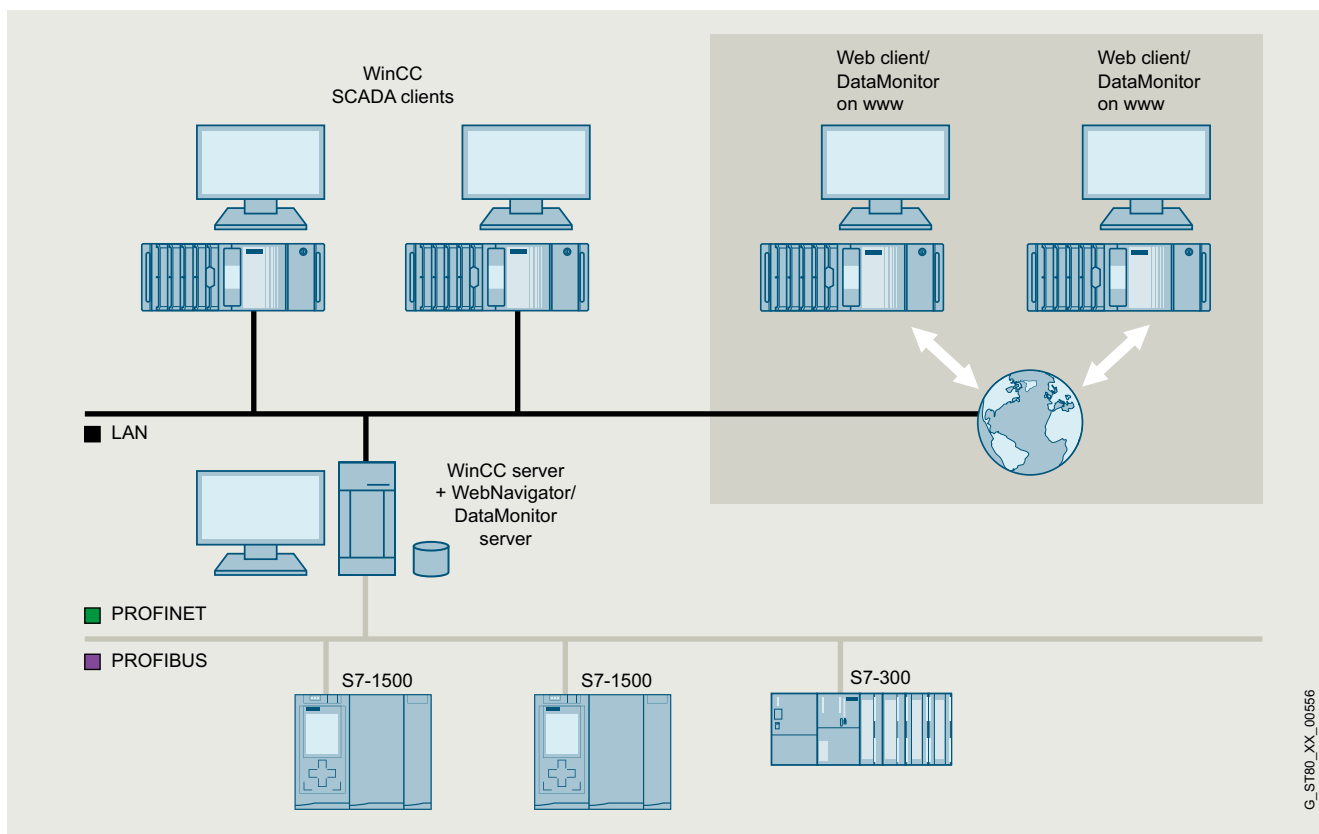
You can find more information on the Software Update Service, license types, online software delivery and handling your SW licenses with the Automation License Manager here:  
<http://www.siemens.com/simatic-licenses>

##### Note:

When accessing the operator stations via the WinCC WebNavigator option, suitable protective measures (including IT security such as network segmentation) should be taken in order to ensure safe operation of the system.

You will find more information on the topic of Industrial Security on the Internet at:

<http://www.siemens.com/industrialsecurity>



WinCC Server as web server

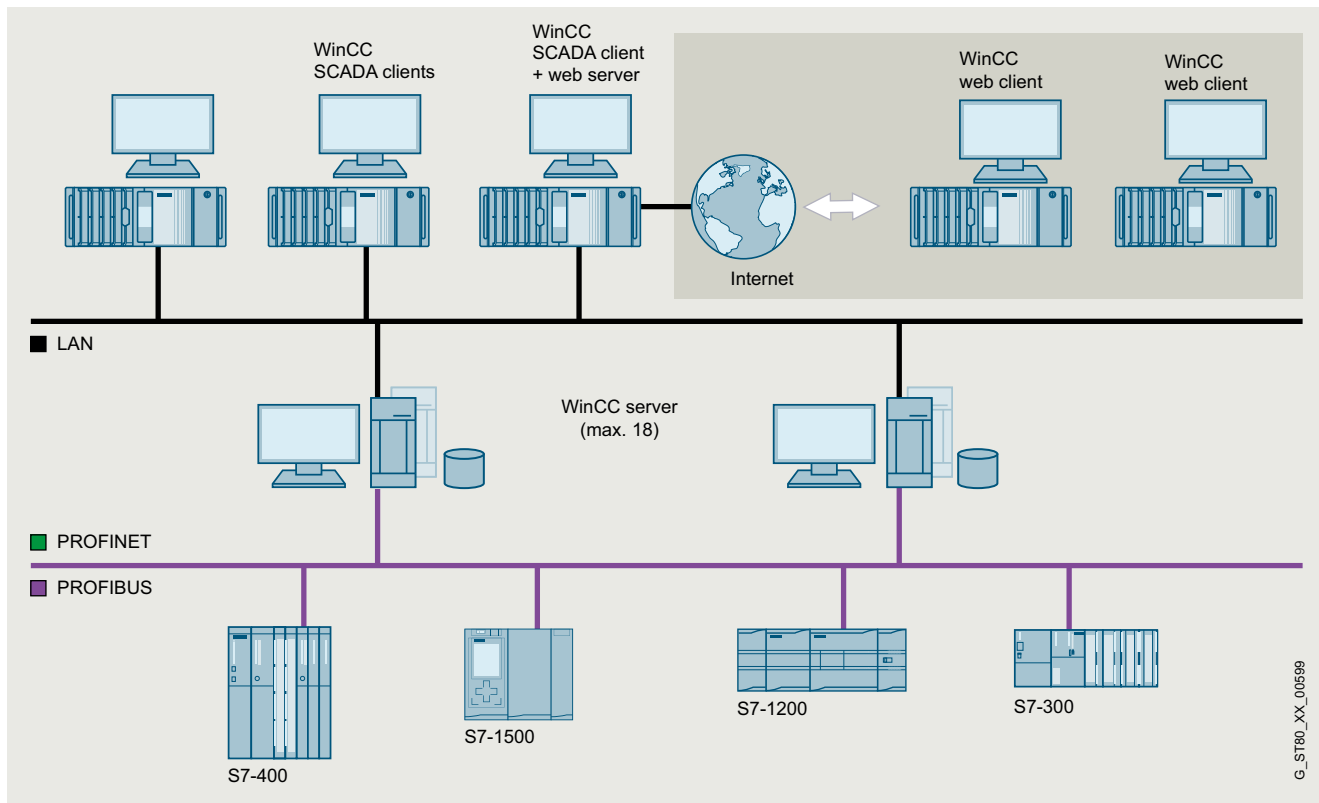
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WinCC MultiClient as web server

#### Benefits

- Operator control and monitoring across long distances and on different platforms (PC, local panel, mobile PDA)
- Large configurations with up to 150 operator stations (depending on the plant complexity and communication load)
- Optimally tailored clients for operating and monitoring, analysis, service and diagnostics
- Acceptance of configuration data for the web, generally without changes
- Minimum maintenance costs due to central software administration
- With the WinCC Web Viewer (WinCC Viewer RT), the process screens can be displayed on the web client independently of the Internet Explorer. Settings for the client are made on the client itself. The WinCC Web Viewer can also be used in conjunction with the MS Terminal Service.
- The SIMATIC WinCC WebNavigator can also be operated in "view only" mode and is thus used as tool for monitoring and navigating using Internet Explorer or WinCC Web Viewer (WinCC Viewer RT).
- Security is increased by adjustable automatic logout. If an automatic logout is to take place, an absolute or inactive time period can be set.

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#### Application

In addition to the standard WebNavigator licensing, there is the "Diagnostics Client" with identical functionality but different licensing. It is especially suitable for the following applications:

- Remote diagnostics/operation of several unmanned WinCC server stations
- Central control rooms that monitor several web servers via one user interface
- Maintenance personnel who require guaranteed access to the server at any time, regardless of the number of users already logged on to the server.  
On the server side, only one WebNavigator Diagnostics Server license or, alternatively, one Standard WebNavigator license is required.

#### Design

##### Thin Client solutions

The WebNavigator can also run under Windows Server terminal services.

The prerequisite is a Windows Server operating system. This makes it possible, for example, to connect SIMATIC Thin Clients to the WinCC server as visualization stations.

For this purpose, the Windows terminal services must be installed on the PC on which the web client is installed. The prerequisite is a Windows Server operating system.

Up to 25 Thin Clients can be connected to one terminal server.

Applications:

- Mobile devices
- Handhelds
- Rugged on-site visualizations

#### Function

The WinCC basic system makes setting up and configuring a WebNavigator Server very easy. WinCC process screens to be visualized via the Internet are created as usual using the graphic editor.

To display WinCC process screens on the web client, the Microsoft Internet Explorer or supplied browser-independent WinCC Web Viewer (WinCC Viewer RT) is used.

The operator on the web client is integrated in the central WinCC user administration and can operate and monitor the system according to the configured access rights.

The WebNavigator supports all standard security mechanisms that can be used for applications on the Internet, e.g. routers, firewalls and proxy servers.

#### Ordering data

##### SIMATIC WinCC WebNavigator as from Runtime Professional V14 and WinCC as from V7.4<sup>2)</sup>

Single license,  
license key on USB flash drive

- 1 client license (countable)
- 3 client licenses (countable)
- 10 client licenses (countable)
- 30 client licenses (countable)
- 100 client licenses (countable)
- Unlimited client licenses (WebNav+WebUX Operate)

As download<sup>1)</sup>

Single license, license key download. Email address mandatory

- 1 client license (countable)
- 3 client licenses (countable)
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- 30 client licenses (countable)
- 100 client licenses (countable)
- Unlimited client licenses (WebNav+WebUX Operate)

##### SIMATIC WinCC WebNavigator Diagnostics Client

For WinCC V14 Runtime Professional and WinCC as from V7.4

- Standard scope of supply
- As download

##### WinCC WebNavigator Load Balancing

For WinCC V7.4 only

- Load Balancing
- Load Balancing Step Up

As download

RT-SW, single license,  
license key download.  
Email address mandatory

- Load Balancing
- Load Balancing Step Up

<sup>1)</sup> Current information and availability regarding the new type of delivery can be found at: <http://www.siemens.com/tia-online-software-delivery>

<sup>2)</sup> As from WinCC V14 the licenses are cumulative (countable), i.e. one 10 client license and one 30 client license permit access by 40 clients.

A license is not required for the engineering system for configuring the runtime option.

#### More information

More information on the WinCC V8 basic function is available under <https://www.siemens.com/global/en/products/automation/industry-software/automation-software/scada/simatic-wincc-v8/basic-functionalities.html>

More information on WinCC V8 advanced functions is available under <https://www.siemens.com/global/en/products/automation/industry-software/automation-software/scada/simatic-wincc-v8/advanced-features.html>