

Product Datasheet

WW8000
MP4.20

Composer

The common configuration tool environment

- The WW8000 Composer is a flexible tool environment devoted to the configuration of a fire & security system.
- It provides both the general user interface and common functionality needed to configure a security system, and the general configuration environment that hosts the Plug-ins.
- Depending on the number and kind of Plug-ins, this environment enables configuration of a small system with a single control unit up to a large security system that includes multiple control units of different disciplines (including management stations).
- The end users (commissioning personnel and project engineers) perceive a single application for the configuration activities, while actually it is made up of different pieces of software (Composer and the Plug-ins).

Features

The integration

An integrated system-wide configuration tool:

- Object oriented technologies now provide more openness and flexibility;
- The customer perceives the integrated security system as a unified interface;
- Different user groups, with different needs, can work with the same tools;
- The configuration tools can be used in a more integrated environment, e.g. together with AutoCAD maps.

The environment

Improvements in the project realisation process:

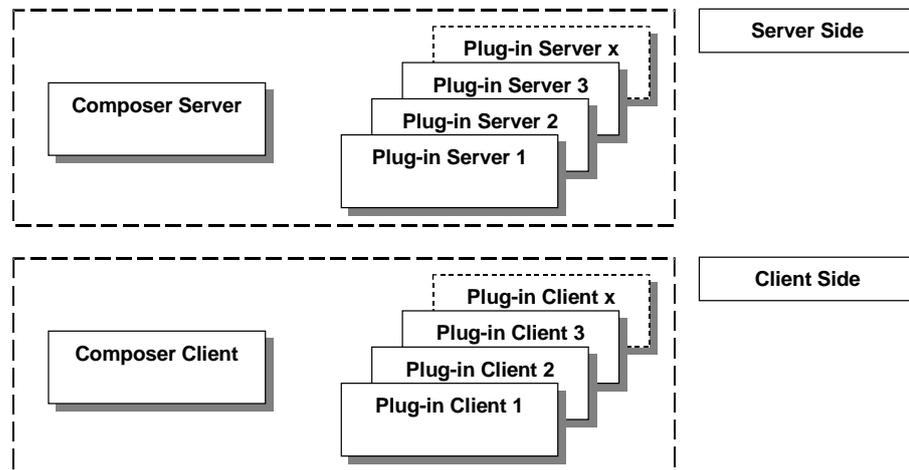
- Time used for configuration reduced with more efficient tools;
- Repetitive work minimised;
- Maximal reuse of previous work;
- Engineering environment optimised.

System architecture

Client / Server application

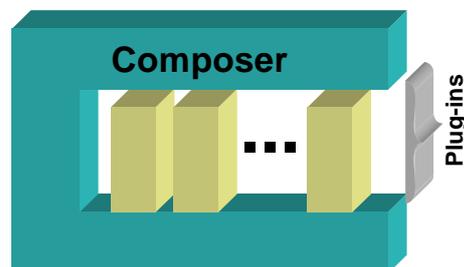
Composer uses a client/server application.

- Both the client and the server parts are made up of many components.



Plug-in components

The Composer provides service to the Plug-in components:



- Different kinds of Plug-ins are used. For example:
 - Subsystem configuration (such as a control unit)
 - Management station configuration
 - Import of existing subsystem data

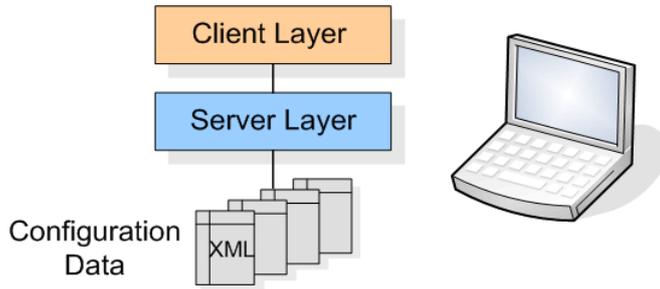
Configuration

- Powerful functions and methods in the user interface
- Possibility to reuse the work: define templates according to local needs

Modes of operation

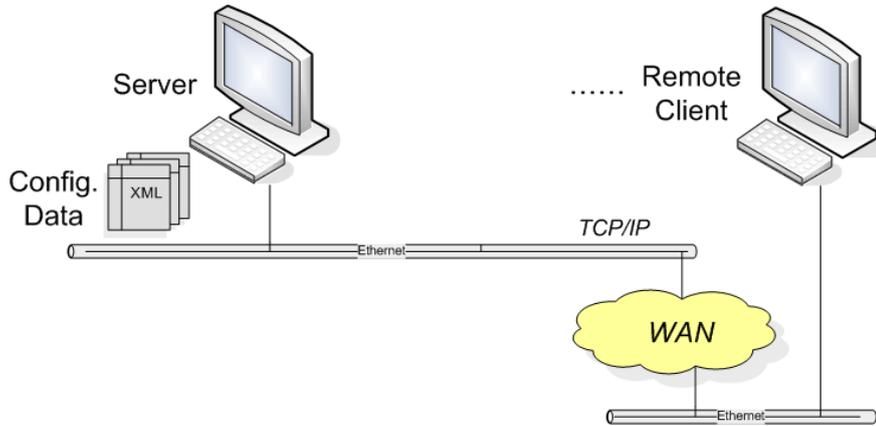
In this version of Composer, the following configuration modes are supported:

Stand-alone configuration



- One user at a time works with Composer – typically an engineer who works in the field.
- The system can be configured on a laptop computer using Composer. Afterward the configuration can be downloaded into the management stations or network devices.

Remote configuration

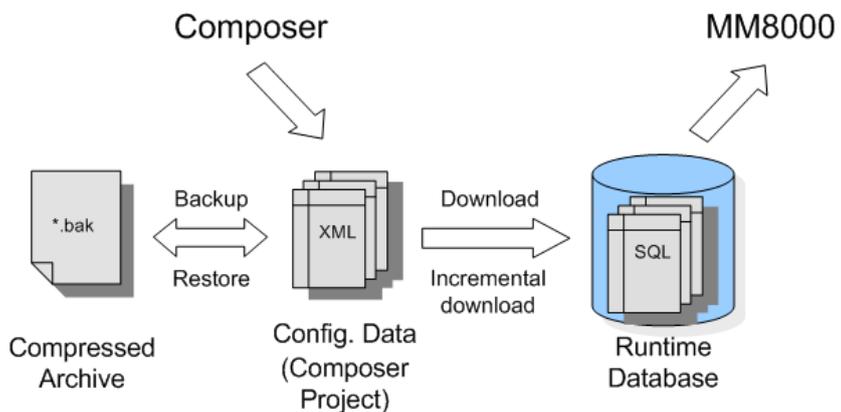


- Remote: The client can connect remotely to the server. This allows for configuration when the user cannot physically work on the server.

Note: A multi-user configuration is possible with Composer (where more than one configuration person is simultaneously working on the same project). We do *not*, however, recommend this type of configuration.

Data flow

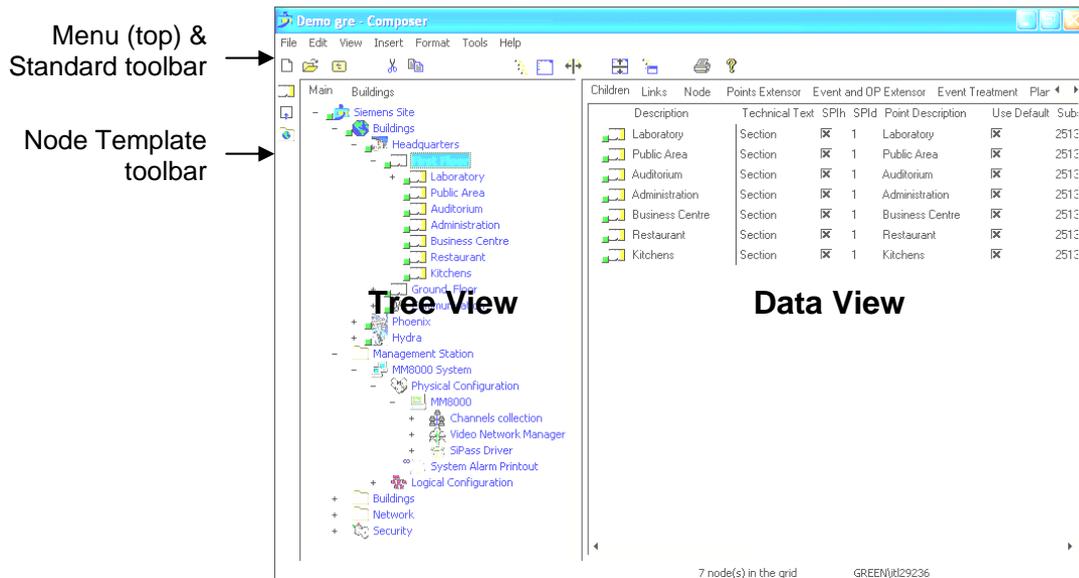
The following illustrates the data flow from Composer to the management station.



The user works with a project, which contains all the configuration data of a site.

Similar and common user interface (100% MS-Windows compatible) allows:

- Easy orientation for users
- Tree navigation similar to MS-Explorer
- Ability to sort text and properties
- Data View and editing configurable for various user groups
- Node tab with the properties of a single node
- Filters for different disciplines (both basic and advanced functionality)
- Zoom to show only needed details



The screen display is divided into the Menu, Standard toolbar, Node Template toolbar, and Work area (Tree and Data Views).

Menu

The Menu area, which contains the principal menus, allows for the management of the project as a whole.

Toolbar areas

The Toolbar areas include the following bars:

- The *Standard* toolbar, which provides the typical menu commands (New, Open, Cut, Copy, Paste, Print, etc.) as well as Composer-specific commands;
- The *Node Template* toolbar, which contains a context sensitive bar that allows the insertion of nodes in the project structure, depending on the node currently selected in the tree.

Work area

The Work area, which shows the project, is divided into two main panes:

- The *Tree View* shows the structure of the project. It is possible to build zoomed and/or filtered views of the project structure that are shown as new tabs of the Tree view;
- The *Data View* on the right shows information about the node selected in the tree. If a selected node has child nodes, the properties of the child nodes are displayed in the Edit Grid of the Children tab. If links are present, the Links tab also displays an Edit Grid.

Other functions

Right click context menus are available in the Tree view and in the Data View to perform a number of operations.

The Project

Nodes

Projects are made up of nodes that are presented to the user by using the three different user interface controls.

- The Tree View, which shows the hierarchical structure of the project;
- The Data View, which shows the properties of the child nodes of the selected node;
- The Node View, which shows the properties of a single node.

All the nodes that belong to the same installation of a security system (i.e., the site) are stored in a project.

Link nodes

You can create a link node by dragging and dropping a node inserted somewhere else in the tree, avoiding all the negative effects of data duplication.

Node templates

A Node Template (or, simply Template) is a profile of nodes whose property values are set to predefined values. Thanks to the Templates, it is possible to provide nodes that are ready to be inserted in the project with proper values for all the properties.

When you insert a node, you actually select the Template available for that node. The system inserts an instance of the node, taking the actual values of the properties from the Template.

Depending on the DMS8000 product, a Template can contain nodes and other templates organised in a tree structure, increasing dramatically the power of this mechanism in building up the configuration of a site.

Also, in addition to the existing (predefined) Templates, you can create and save new Templates at configuration time such as operating procedures, maps, and geographical trees that will then be available for any project.

Printing standard reports

Composer offers three different kinds of standard reports you can print:

- Project Structure Report, that simply outlines the Project tree;
- Brief report, that shows the project tree with the properties contained in the first sheet of the Data View (or Edit Grid);
- The complete report which contains all detailed information.

It is also possible to print a specified selection of nodes in the tree, or to print a filtered or zoomed view of the tree.

Data view and editing

- Different Data Views that are configurable for various user groups
- Edit Grid functionality (located in the Data View area) allows for fast and easy configuration (similar to an Excel spreadsheet)

Installation

Composer

Composer is typically installed along with the DMS8000 products (MM8000, MK8000, MT8001). You can also install Composer only. Simply make the appropriate selection from the welcome page menu that appears after inserting the product CD and follow the instructions.

Plug-ins

The initial product setup also provides for the installation of the required Plug-ins. Later, you can run the Plug-in installer, available from the start menu to install Plug-in updates.

Min. PC configuration

- Pentium IV (or equivalent) PC hardware
- Windows Vista / XP Professional / 2008 / 2003 compatible
- At least 1024 MB RAM or better

Backward compatibility

Composer allows you to *open* previous project versions.

Note: This applies to MP3.10 and higher.

When you open an older project version, Composer asks you if you want to perform an automatic upgrade.

For project versions MP3.20 and higher, you are permitted to *save* the project in the older version.

Ordering

A site-only Composer license may be purchased together with an MM8000 / MK8000 / MT8001 license to permanently enable Composer functionality.

For engineering purposes a Composer-only service license may be purchased.

There are two types of Composer service licenses available, designed for different user groups – the *Solution Channel* and the *Product Channel*. Each license is accompanied by a service key that enables the Composer application for sites that do not include it. The service key must be attached to the PC and activated in order to run Composer.

- Annual fees apply for Composer service licenses.
- A Product Authorization Key (PAK) is needed and must be ordered in addition to the service key.

- The *Solution Channel* license – WW8023 Composer for Solution Channel:

This license is primarily for Regional Company engineers who need to create, service, and/or maintain multiple DMS8000 projects. The Solution Channel license service key will run a Composer application on any PC and for any Composer project.

- The *Product Channel* license – WW8024 Composer for Product Channel:

The target user group for the Product Channel license is non-Siemens commissioning personnel. The Product Channel license service key enables the same functionalities as the Solution Channel license service key, however Product Channel keys cannot be used to open Composer projects created with a Solution Channel key.

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