

// PRODUCT SHEET

C base

base

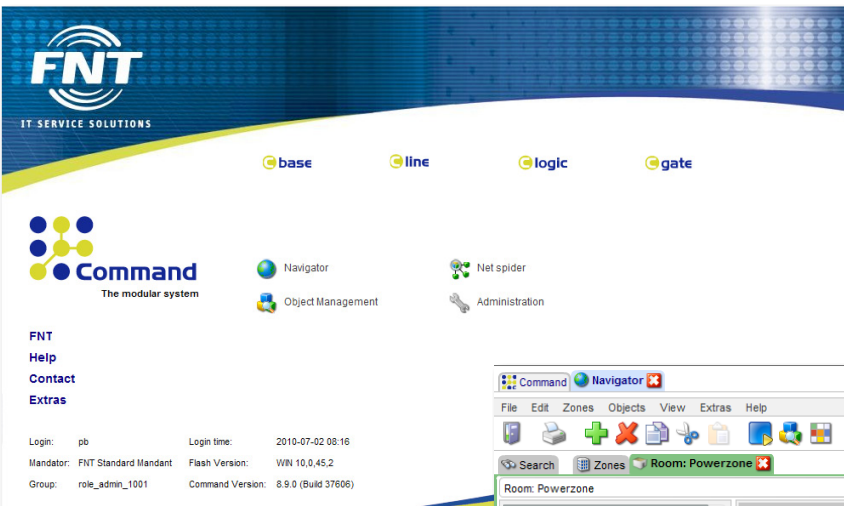
- Real Estate
- Attachments
- Access Management
- Node Management
- Import
- CI Library
- Planning
- Lifecycle Management
- Asset Management
- Administration
- Workflow
- Object Management
- Accessory Management

// Main Menu

The Command main menu provides an overview of all available program sections as well as the installed versions. Furthermore, you can start the help function here or go directly to the FNT homepage. The user interface is customizable which means that users can place the program sections or modules they use most directly in the start window. The selection of the desired module via the menu can thus

// Real Estate

A real estate can be structured hierarchically. It is possible to set any number of zones in the Command Navigator. In the standard configuration, campus, building, floor and room are preset as zones. The zones split the real estate into different structured areas serving for the representation of the situation in the respective company. The hierarchy levels are implemented as a father-son relationship.

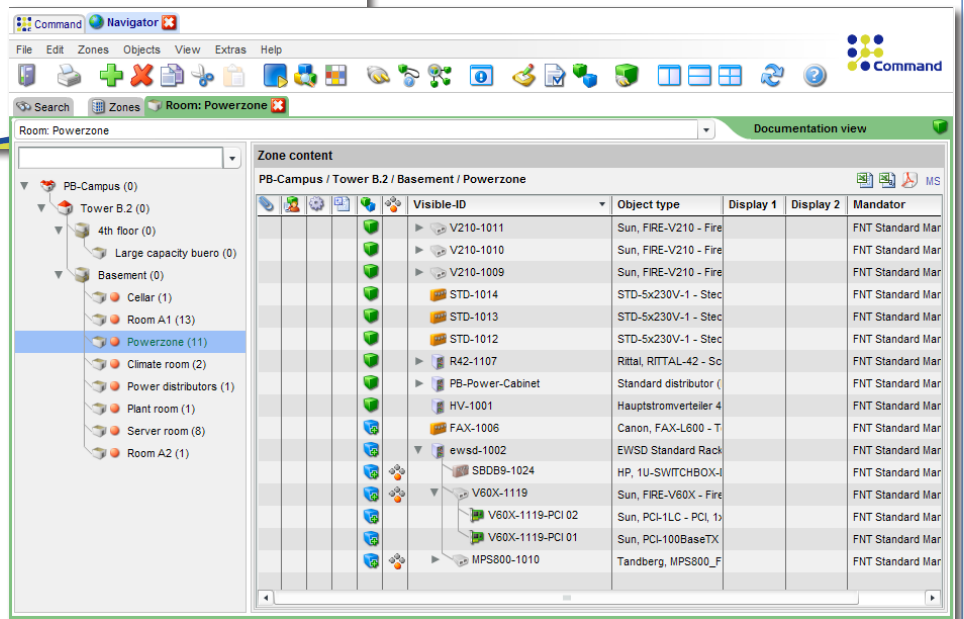


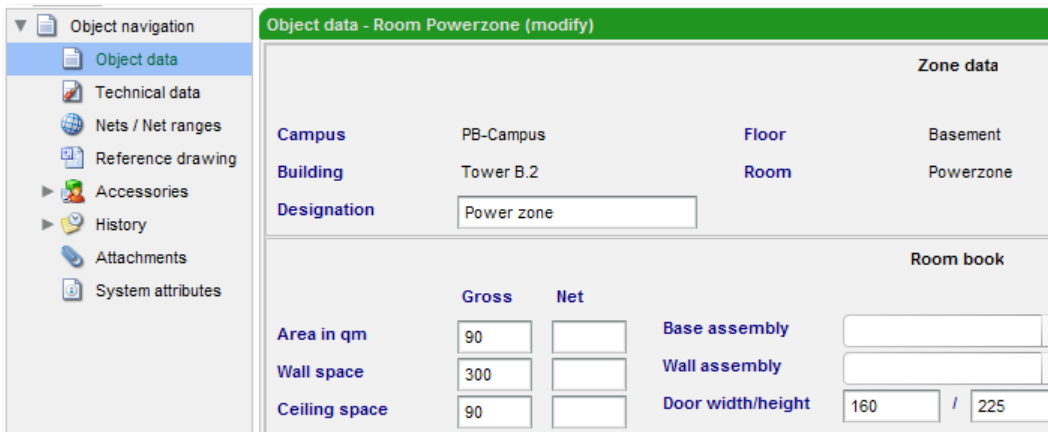
Top zones constitute the highest hierarchy levels of the real estate. They can be linked with each other or with one or several zone(s) on lower hierarchy levels. In this way, superordinate structures (e.g. state, country) can be represented or only certain areas be released for administration by the user. All locations can be described with further attributes.

be shortened. The language version (German/English) can also be selected here.

The basic package C base bundles all necessary central routines in one function block. The system administration, object library, real estate management as well as the topics workflow, planning and importing of data are components of this basic module.

C base is a prerequisite for the use of all functions contained in the Command Suite





All common cable types are available. When selecting a cable, the associated describing text is always displayed in the abbreviated form (e.g. Cu = copper, FO = fiber optic cable, number of wires or fibers, length of the patch cable, etc.). The CI Library is continuously updated and expanded. It is furthermore possible to have components manufactured according to the customer's

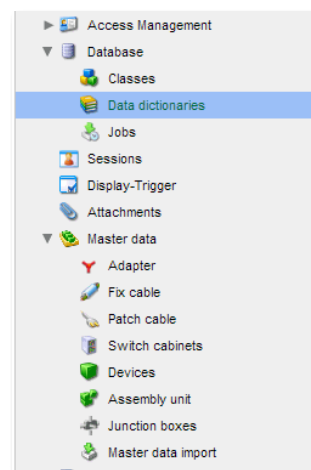
A room book function is also a component of C base, in which important additional information such as room space or room setup can be documented.

// CI Library

C base contains a standard library which comprises approx. 27000 components. The configuration items (CI for short) are described in the master and configuration data and can be expanded by the user at any time. The provided components can be combined modularly, whereby the plausibilities specified by the manufacturer are observed. These components can be installed in switch cabinets (--> C line) and represent the assignment of the switch cabinets as realistically and clearly as possible.

// Administration

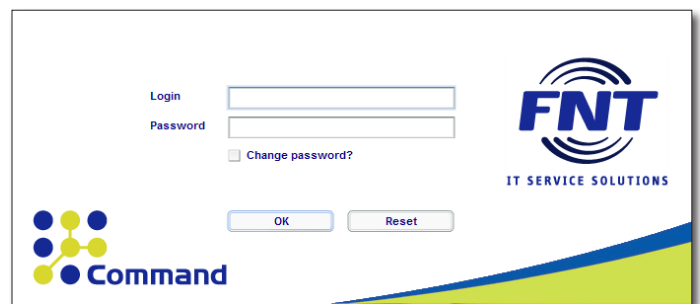
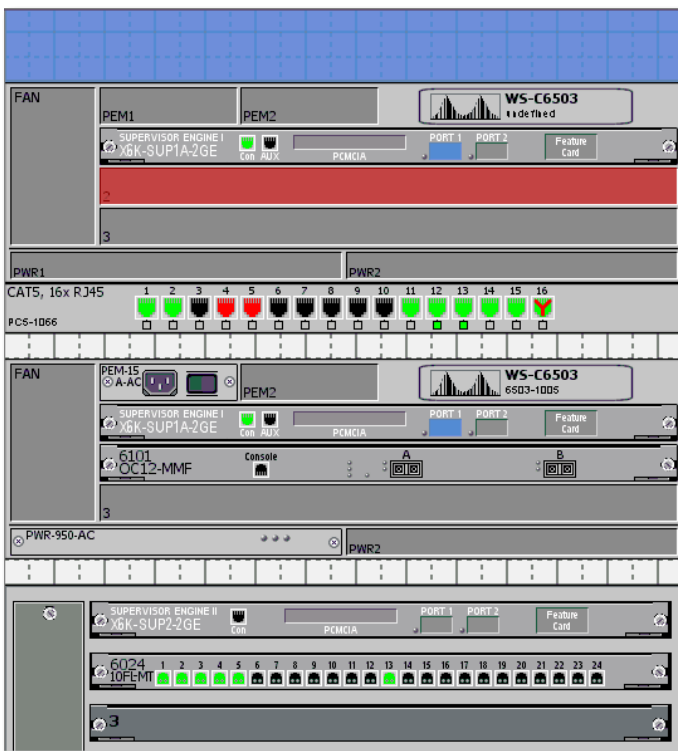
Administration allows for adapting the software to the individual requirements via a user interface. For example, individual data



dictionaries can be created, edited and exported, or display data be modified for the program section Navigator via the Display Trigger. The administrator can create own CI types or modify existing ones. Previously defined attributes can be defined on the user interface (Template Editor) without any programming effort and placed on the masks.

// Access Management

In the Access Management, the user rights of each individual user or a group are defined. A differentiation is made between mandator and role. The mandator describes the ownership situation of an object in the database. The role defines the options of a user or group on the functional level.



Role ID	Type	Description 1
1	APP	Navigator/Scala starten
2	APP	Suche starten
3	APP	Schaltschrank starten
4	APP	Navigator/Scala und Suche starten
5	APP	Navigator/Scala, Suche und Schaltschrank
6	APP	Wege Modul starten
7	APP	Lager starten
8	APP	Planung starten
9	APP	Workflow starten
10	APP	IP Adressen starten

Mandator and role together constitute the user profile. This is defined via a user interface and can be created by the administrator. Thus, a finely structured authorization concept can be implemented. Predefined roles and privileges facilitate the work of the administrator.

// Planning

All elements in the database can be called as ACTUAL or PLAN instance. In connection with a plan number, Command allows for the selective controlling of changes, which is indispensable in a controlled change process. Via the planning it is, for example, possible to carry out building, retrofitting and expansion measures for devices and network elements, cables, shunts (--> C line) or CIs in general. It is also possible to plan logical objects such as, for example, services or IP addresses; plannings can be made consistently in all Command modules.

A protocol function with a professional search mechanism is available. The planning is the basis for the module-specific operating

Visible-ID	Object type	Display 1	Display 2	Mandator
V210-1011	Sun, FIRE-V210 - Fire			FNT Standard Mar
V210-1010	Sun, FIRE-V210 - Fire			FNT Standard Mar
V210-1009	Sun, FIRE-V210 - Fire			FNT Standard Mar
STD-1014	STD-5x230V-1 - Stec			FNT Standard Mar
STD-1013	STD-5x230V-1 - Stec			FNT Standard Mar
STD-1012	STD-5x230V-1 - Stec			FNT Standard Mar
R42-1107	Rittal, RITTAL-42 - Sc			FNT Standard Mar
PB-Power-Cabinet	Standard distributor (FNT Standard Mar
HV-1001	Hauptstromverteiler 4			FNT Standard Mar
FAX-1006	Canon, FAX-L600 - T			FNT Standard Mar
ewsd-1002	EWSD Standard Rack			FNT Standard Mar
SBDB9-1024	HP, 1U-SWITCHBOX-I			FNT Standard Mar
V60X-1119	Sun, FIRE-V60X - Fire			FNT Standard Mar
V60X-1119-PCI 02	Sun, PCI-1LC - PCI, 1			FNT Standard Mar

instructions. For the user, different symbols and colors are used for the ACTUAL and PLAN statuses.

// Workflow

In the *Workflow*, the Command user can represent workflows. These can either be initiated internally or be part of a global external process. With the help of a responsibility matrix and the escalation routine, each process is monitored exactly.

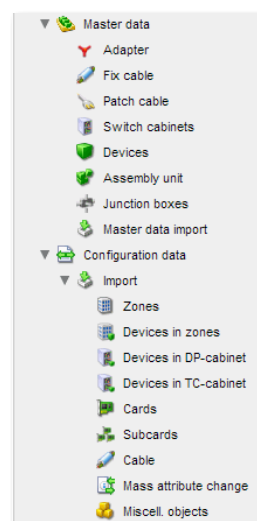
The definition of the workflow is done in a graphical editor. Standard workflows are integrated in the modules, which are based on this basic function. Technically, the *Workflow* section is subdivided in two views: The supervisor view: Part of this is a process generator via which an XLM file is generated and loaded in the workflow engine; and the user view: The individual user then sees in his inbox only the

Order-detail-number	Order number	Order status	Editor-Group	Escalationstate	Desired date
O-000013-012	O-000013	assigned	Planning	FATAL	2009-12
O-000013-013	O-000013	recorded	Receiving	OK	2009-01
O-000013-014	O-000013	accepted	Planning	OK	2009-01
O-000013-015	O-000013	created	Receiving	OK	2009-01
O-000013-016	O-000013	created	Receiving	OK	2009-01
O-000013-017	O-000013	created	Receiving	OK	2009-01
O-000013-018	O-000013	created	Receiving	ERROR	2009-01

activities assigned to him and accepted. The *Order Management* allows for a simple recording of incoming orders within the workflow. The physical parameters associated with the order such as, for example, phone numbers, switching paths, system and terminal data, can be included in that.

// Attachments

Part of an efficient management of CIs is also the quick access to important additional information such as, for example, service contracts, room plans, location images, measured data, and much more. It is possible to store files for all database objects in Command, which can be opened at any time from the respective object mask. The access is managed in the database. It is possible to store several



attachments for one object. It is also possible to link external files via hyperlinks. To open the attachments or links, the user requires the executing program.

// Import

The *Import* function provides standardized formats (e.g. xls) to store objects in the database. It is thus possible, in particular for building measures, to transfer documentation components of the executing companies in Command. This function provides an own user guidance.

	A	B	C	D
1	Object-ID	Visible-ID	Length	Type
2	LWL-1060	LWL-1060	0	A-WF(ZN)2Y 4G50/125
3	PATCH-1216	PATCH-1216	1	PK-RJ45
4	IBM-1038	IBM-1038	28	IBM Typ1
5	PATCH-1086	PATCH-1086	0	PK-RJ45
6	LWL-1067	LWL-1067	0	A-DF(ZN)2Y 6G50/125
7	CU-FIX-1129	CU-FIX-1129	0	Cat5-Fix-24
8	ID-1307	ID-1307	0	Patchkabel-Allg
9	muffenkabel.1	muffenkabel.1	0	Cat5-Fix-24
10	ID-1330	ID-1330	7.5	G67-CAT5-FIX
11	PATCH-1227	PATCH-1227	1	PK-RJ45
12	CU-FIX-1090	CU-FIX-1090	0	Cat5-Fix-24
13	CU-FIX-1078	CU-FIX-1078	0	Cat5-Fix-24
14	PK_LWL-1000	PK_LWL-1000	0	PK-ST-ST-40
15	CU-FIX-1095	CU-FIX-1095	122.109999999999999943	Cat5-Fix-24
16	ID-1115	ID-1115	10	G67-CAT5-FIX
17	C-1005	C-1005	5	CAT5
18	CU-FIX-1078	CU-FIX-1078	0	Cat5-Fix-24

Test routines ensure the integrity of the entries. In the so-called *Staging Area*, target/actual or actual/target comparisons are carried out with the already existing database content. The import is then made via a manual release or in accordance with defined rules and standards. Log data is also recorded when importing the data. A test run of the import is possible.

// Lifecycle Management

All changes in the database (location, attributes, links) are logged with the History function (user and type of change). Moreover, the Logbook function provides the option to store external events (incidents, changes, system states from the network management, etc.) manually or to record them via interfaces. This provides a complete overview of the entire lifetime of an object. An exhaustive reporting on one or several CIs can be implemented by the user without any programming knowledge. Via the *Administration* section, it can be set which attributes and links are to be logged.

The screenshot displays the ITIL management interface. On the left is a navigation tree with sections like 'Main navigation LCM', 'Logbook', 'Event', 'Categories', 'Reports', 'History', and 'Object navigation event'. The main area shows search results for 'Event - Overview' with 3 records:

Event-ID	CI type	Main category	Category
LOG-1000	Endgeräte	Incident	Incident
LOG-1001	Endgeräte	Incident	Incident
LOG-1002	Server	Activity	Activity

Below this is a 'First View - Event - Overview (display)' for the selected event (LOG-1002):

Event-ID	LOG-1002	Caller
Main category	Activity	Caller
Category	Activity	Owner
Subcategory	activity	Owner
		Editor
		Editor

// Accessory Management

With the *Accessory Management* it is possible to create and manage personal data and to assign descriptive attributes to it. A combination in person groups facilitates the representation of company-internal structures (e.g. department structures). Furthermore, a management of the persons in superordinate organizations is possible. The administration of contract data and their superordinate framework contracts as well as components from the mounting part master is possible via the *Accessory Management*. A linking of persons, groups or organizations as well as their contracts and components is possible to every existing CI. When using this function, the entire information can be read out centrally from the database.

// Object Management

The screenshot shows the 'Search restriction' interface. The search criteria include: Object-ID (C3-10*), Type (C3G124-24), Description, Visible-ID, Class name (CHASSIS), Serial number, Function (Switch), and Manufacturer. The 'Zone selection' includes Campus (PB-Campus), Building (Tower B.2), Floor, and Room. The search results show 2 records:

Object-ID	Visible-ID	Type	Description	Class name
C3-1018	C3-1018	C3G124-24	Enterasys, C3G124-2	CHASSIS
C3-1019	C3-1019	C3G124-24	Enterasys, C3G124-2	CHASSIS

The *Object Management* enables the user to carry out a database search without any programming knowledge. In a mask, search conditions can be entered up to the field level and linked with operators. Predefined reports (e.g. the port utilization of an active component) can also be carried out. The search result is displayed in a table. A direct editing of the data records is possible.

The user can export this table (xls, csv), print it or branch to further Command functions, e.g. the *Navigator*, *Switch Cabinet (C line)*, *Signal Tracing (C line)*, *Connections (C line)*, by selecting a single data record.

// Asset Management

The *Asset Management* serves for the management of CIs with the associated type-specific additional information. A manipulation (placing, moving, deletion) of CIs is possible via this function. CIs can be assigned to a real property, person or contract. These are available for other Command functions.

// Node Management

In the *Node Management*, logical structures can be created (TC systems, LAN nodes, network elements, or craft, system network, system in the *Voice* section). The assignment of specific descriptive attributes to the structures is also possible, as well as the assignment of a logical structure to CIs existing physically in the real estate. It is thus possible to navigate logically and non-hierarchically through the CIs via the *Node Management*. Query functions and exports are also part of the scope of functions.

// System Requirements

C base is a prerequisite for the use of all program sections or modules contained in the Command Suite.

