

# CableGen Network Infrastructure Database

- ❖ Document and manage all network infrastructure assets
- ❖ Supports best practice change management processes (ITIL)
- ❖ Web based application suits distributed environments
- ❖ Central repository for project documents, diagrams, layouts, etc.

## Network Infrastructure Database

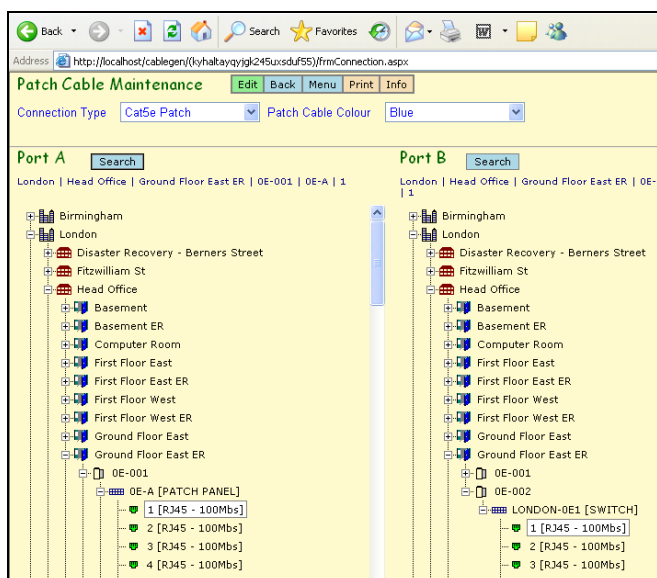
CableGen stores information and connectivity about all your infrastructure components. Its flexible architecture enables you to document existing cabling, patch panels, desktops, voice, power, routers, printers, servers, etc. and expand to incorporate new technology and requirements.

It removes the need for site surveys to trace physical location and connectivity. CableGen simplifies the planning of IMAC (installations, moves, additions and changes) by building in workflow processes.

Within seconds it is possible to know where a device is and how it is connected to the network, where there is spare equipment or capacity and so on. Technical and business information on devices can be stored in CableGen, along with references to other documentation.

## User Interface

CableGen implements a network hierarchy, from sites and buildings, through locations and cabinets, to equipment and patch panel ports.



Context-sensitive menus allow the user to drill down to additional information or move easily around the application pages. Colour coding is used to indicate the status of equipment cabling ports (e.g. live, unused or reserved connections).

A port trace feature allows a user to easily view the full end-to-end connection from any port in the chain. A quick report provides a hard copy print out to help engineers verify connectivity.

All user access is password controlled, from view only through to full edit control. An audit trail is maintained, logging all database updates by user.

The CableGen application and database are installed on a central web/database server. Client workstations need only a standard internet browser.

## Equipment Attributes

Each type of equipment can have a set of user-defined attributes or fields assigned to it, using templates. These are fully configurable to let you store any information against each item of equipment (e.g. IP address, last PAT test, owner, memory size, etc).

Default values (numeric, date or text) can be assigned to each attribute and are inherited when adding new equipment. They can be overwritten via the maintenance page.

## Documents

Each item in the main levels of the hierarchy (sites to equipment) can be linked to any number of documents, graphic files or URLs. This provides a very powerful feature allowing, for example, the viewing of a router configuration file, a project document, a floor plan, or a link to a web-based monitoring system.

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## Reports

Many of the information pages have a context-sensitive quick report called from a menu button. For example, on the site page this produces a report of the site and contact details; for a location it lists all the cabinets, their equipment and spare capacity; for equipment it shows port connectivity; for a fibre patch panel it details all the end points.

Site	London	Location	Computer Room		
Building	Head Office				
Notes	These are notes for Head Office Computer Room				
Cabinet	0C-001	Height	42.0	Spare	14.0
Equipment Name	Type	Height	Status		
0C-A	Patch Panel	8.0	Live		
0C-C	Patch Panel	4.0	Live		
0C-V	Patch Panel	8.0	Live		
RTR-LON-01	Router	8.0	Live		
Total Height		28.0			
Cabinet	0C-002	Height	42.0	Spare	21.0
Equipment Name	Type	Height	Status		
0C-B	Patch Panel	8.0	Live		
0C-D	Patch Panel	5.0	Live		
RTR-LON-02	Router	8.0	Live		
Total Height		21.0			
Cabinet	0C-003	Height	42.0	Spare	38.0

In addition, a set of standard reports are provided (equipment lists, port status, etc) and these will increase as part of product updates. Custom reports can be produced on request to help capacity management, billing, work orders, etc.

## Integration

CableGen is based on MS SQLServer 2000, so integration with other data sources and systems is possible. CableGen device data can be updated regularly from asset management systems, monitoring tools, service desks or maintenance records.

CableGen data can also be used as a reference source by other systems or applications, including billing systems, monitoring systems and graphical applications (netViz, Visio, etc). Our distributors can discuss specific integration needs.

## Search

CableGen includes a powerful equipment search feature. Parameters allow selection from the whole database, or specific locations. Equipment can be selected by type, name or status using filter options. Searches can be further qualified by selecting filters against any equipment attribute data such as IP addresses.

Search Parameters

Site Name: London  
Building Name: Head Office  
Location Name:   
Cabinet Name:   
Equipment Type: Desktop PC  
Status:   
Reference:   
Name: LIKE Sales

Attributes: New Update Delete

Type: Memory Filter: <= Value: 512

Memory [Number] <= 512

## Licensing

CableGen is available in three variants:

Enterprise Multi-site, multi-building

Campus Single Site, multi-building

Standard Single Site, single building

Multiple equipment rooms and building locations can be defined, together with the backbone connectivity between them.

Licences are issued on an annual, renewable, basis and can be extended as the managed estate grows. Installation of CableGen is included in the initial licence fee and the cost includes all product updates.

*All trademarks acknowledged*

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