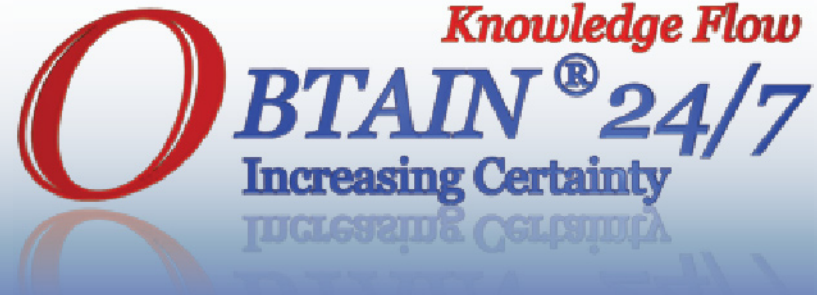


System Requirements



Streamline your Process with **OBTAIN!**



Data Center Planning With Certainty *

OBTAIN® 24/7

OBTAIN® 24/7 is a hardware & connectivity planning tool that uses the most comprehensive, commercially available, data repository for data center assets & connectivity data. It incorporates dynamic diagram generation for fiber & copper connectivity and has a unique workorder technology enabling multiple planning scenarios. OBTAIN (**O**bject **T**ransfer **A**nd **I**ntegration **N**etwork) was created specifically to address the need to:

- ▶ create multiple, concurrent asset and connectivity plans,
- ▶ have the plans remain fully integrated with but separate from the base or production set of data,
- ▶ ensure the plans do not double allocate resources,
- ▶ ensure the plans can either be discarded or implemented with a simple click,
- ▶ enable multi-step plans where a child step inherits the changes already planned in the parent,
- ▶ enable mutually exclusive plans so planners can examine the details for two different scenarios of a single change concurrently, without locking resources between them (effectively allows double allocation in a controlled manner because only one of the plans is allowed to be implemented),
- ▶ create before and after diagrams by easily switching between production and a plan,
- ▶ link notes and external documents to every-level of object changed in a plan from rack, or device right down to HBAs and cables automatically as part of the plan implementation. (this creates an automatic, multi-level historical record of activity)

To achieve this, the early design of OBTAIN centered on using object oriented techniques to create a multi-state database. The production data is the base state. Plans are alternate states of the same data, fully integrated with the base state but physically separate so that changes made in a plan can never impact the production data until the plan is implemented. All

transfer and integration of object data is fully automatic. Users create and enter plans using the same feature set as production data.

System Requirements

The OBTAIN Server allows up to 64 Win32 OBTAIN users to log into a single set of data and unlimited browser based access. The OBTAIN Server software and database requires 200 MB of disk space. When running, the server software requires approximately 256 MB of memory in a typical installation. The server machine should be Pentium based or equivalent (1GHz or higher) with a minimum of 512 MB of memory. If a less powerful machine is used, performance may be sacrificed depending on the number of active users. The OBTAIN Server software does not require very much CPU time because almost all of the processing occurs at the client side. When an OBTAIN client logs into the server, the initial transfer of the basic working set of data (5MB) is made to the client. This working set is maintained in the client's memory throughout the session. Further communication between the two machines only occurs when updates are made.

Server Requirements:

- ▶ A Pentium (or equivalent, 1 GHz or higher CPU)
- ▶ A minimum of 1 GB of RAM
- ▶ A minimum of 200 MB hard disk space for the server software and the database
- ▶ Microsoft Windows Server 2000, 2003, NT or XP Home/Pro® based operating system The server can be physical or virtual

Workstation Requirements:

- ▶ A Pentium (or equivalent, 933 MHz or higher CPU)
- ▶ A minimum of 256 MB of RAM
- ▶ A minimum of 200 MB hard disk space Microsoft Windows NT or XP Home/Pro® based Operating system

Web Server Requirements:

- ▶ An IBM-compatible PC
- ▶ A minimum of 200 MB of disk space for the server software and the database
- ▶ Microsoft Windows Server 2000, 2003 or XP Pro® Operating System with IIS (Internet Information Systems)
- ▶ Microsoft.NET framework version 1.1

Web Server Requirements:

- ▶ The OBTAIN Web UI is best viewed from Internet Explorer 5.5 or greater, version 7+ is recommended

Installation & Configuration

The OBTAIN Server software must be installed physically at the server machine. The software is distributed either on CD-ROM or downloaded from our web site and run via a self-extracting executable. The software contains an installation program, Setup.exe. Execution of the installation program will install the OBTAIN Server software and database in the directory of your choice. Once the Server software is installed, the communications protocol must be set at the Server. Once the OBTAIN Server has been installed and started, the client workstations need to have their configuration files updated before they can log on to the server. For a TCP/IP protocol, the IP address of the OBTAIN Server and the port through which the client will communicate must be supplied. The OBTAIN System Administrator needs to create a userid under OBTAIN for each user allowed to access the OBTAIN database. These userids can be anything the OSA wished, they do not need to be the same as those used by client workstations to log into the company network. Once these new userids have been created, the Client configuration file at each workstation can be changed to automatically start up the OBTAIN client with the userid filled in with the correct userid for that workstation.

Operation

When the OBTAIN server software starts up, it loads the database into a virtual memory space and opens a named pipe or TCP/IP socket to receive requests from OBTAIN clients. An OBTAIN client machine must be able to communicate with the Server machine via TCP/IP or named pipes before it is able to “see” the open connections. You can verify that this basic network communication is active by issuing a “Net Use” or “Ping” command from the client machine. When the OBTAIN client software attempts to “log on” to the OBTAIN server software, it tries to open a path to the server’s named pipe or TCP/IP socket. If the connection is made, the server opens another unique connection between it and that particular OBTAIN client and then frees up the initial connection so that the next client can log in.

