OBTAIN Spreadsheets and Exports

OBTAIN provides a variety of spreadsheets that allow you to manage information regarding the assets in your data center. All spreadsheets can be exported to a comma-delimited file for use with other applications, as well as printed directly from OBTAIN. Column headings and data is extracted directly from the data fields in the OBTAIN database. Many OBTAIN elements have *User Fields* that can be tailored with your unique titles such as PO#, Project Name, Requester.

Asset Spreadsheet

Based on user defined filtering, a list of Assets in the current Site is created. Each UserID is able to tailor their preference for the type of assets to include and/or the relationship of an asset to selected Asset Groups. Each UserId is able to tailor which of the 55 columns to hide from the spreadsheet.

Columns:

Asset Name
Asset Number
Asset Pool
Asset Type
Card Sub-Type
Card Type
Chassis Device
Contract Serial
Current Account
Current Customer
Current Schedule
De-Install Date
Delivery Date
Future Account
Future Customer
Future Schedule
Install Date
IP Address
Lease Expiry Date
Location
Location Bay
Location Sub Area
Maint. Code
Maint. End Date
Maint. Start Date
Maint. Vendor
Manufacturer Name
Model Alias
Model Name
Monthly Lease Cost
Monthly Maint. Cost
Note 1
Note 2
Note 3
Notify Contact 1
Notify Contact 2
Notify Date
Price
Primary Contact
Purchase Date
Rack Name
RU Position
Secondary Contact
Serial Number
Slot
Status
User Field 1
User Field 2
User Field 3
User Field 4
User Field 5
Warranty End Date
Warranty Start Date
X Tile
Y Tile

Blades and Cards Spreadsheet

Back to Top

This spreadsheet shows one row of information for each Card or Blades in the database. The default is to display All Cards or Blades, but can be filtered to 'Show Only Spare Cards and Blades'.

Columns:

Card Asset #	Card Feature Code	Card Serial #	Card Sub-Type
Card Cage Slot	Card Manufacturer	Card Type	Card Name

Blade/Card Enclosure Spreadsheet (Blades, Cards, Devices – Cage Slots)

OBTAIN documents two basic types of chassis into which cards/blades or full devices can be inserted. A Device Cage is usually a very large chassis used to hold an array of tape devices where each tape drive is much larger than a typical card or blade. This spreadsheet enables the user to select the type of cage (card/blade or device) as the first filter and show all cage slots or only free cage slots as the second filter. One row of information is created for every cage slot that passes the filter.

The spreadsheet can be filtered to show:- Free Blade Slots, All Blade Slots, Free Device Cage Slots or All Device Cage Slots.

Columns for Card/Blade Cage Slots:

Card Asset Tag	Cage Function	Location	Slot Size
Card Serial #	Cage Manufacturer	Rack Name	X/Y Position (on floor)
Cage Device Model	Cage Type	Slot Number	

Columns for Device Cage Slots:

Cage Note	Cage Vendor	Cage Device Name	Slot Device
Cage Type	Cage Device Model	Rack Name	Slot Number

Customer Resource Usage Spreadsheet

Back to Top

This spreadsheet is designed to show information on the usage of data center resources by internal or external customers. It has 2 formats: “All Customers” shows an aggregated total of RUs consumed and Kwatts consumed for each customer. “Specific Customer” shows the details of all the resources (assets) used by every Account/Project associated with the customer. Each resource used by the specific customer is displayed in a row with the following columns:

Columns:

Asset Category	Asset Model/Type	Asset Site	End Date
Asset ID	Asset Serial Number	Start Date (when the asset is scheduled for use by the customer)	

Data Path View Back to Top

The Data Paths Viewer is not a spreadsheet per se, but is row and column based and does export as a spreadsheet. It is used primarily as a tool to create cabling reports for the member of you team who run the patch cables required as part of a change.

The 'spreadsheet' displays a summary of connection information for Server, Storage or Switch devices. The data is shown on a per port basis, detailing connectivity data for the initial and end devices on a path. The display includes the initial cabling into the first panel in the backbone. It then skips to the last panel on the path and its connectivity into the end device.

De-Installed Device Spreadsheet Back to Top

This spreadsheet shows information for equipment that have been de-installed. OBTAIN keeps a record of device properties for several years after the de-install. Each device is displayed in a row of the spreadsheet with the following columns:

Columns

Asset Tag	Device Serial Number	Manufacturer Name	De-Install Date
Device Name	Model Number	Install Date	

Device Spreadsheet Back to Top

This spreadsheet allows you to manage information regarding every device defined in the site. Data is centralized into a spreadsheet format to enable mass changes to be made to the data.

Detailed information for each equipment device that passes filtering is displayed.

Device Type Filter:

All Devices; All Servers; All Switches; All Storage; Intel Servers; Unix Servers; Mainframe Servers; IP Switches; SAN Switches; ESCON/FICON Directors; Misc Devices

Static Note Filter:

The Static Note field of Device Assets can be renamed by Admin to serve whatever purpose is best for your data center. Then users can create unique “static” entries for this field and associate one of the entries with individual equipment devices. This filter can then be used to select the subset of devices with that static note association.

Work Order Filter:

Changes to your OBTAIN database can be managed via the Work Order feature and if you are logged into a work order this filter can be used to select only those devices that have been changed in the work order.

Columns:

Asset ID	Lease Expiry	Rack RU Position	User Field 5
Contract Serial Number	Location	Rack Space (RUs)	Warranty Start
De-Install Date	Location Bay	Rated Kwatts	Warranty End
Delivery Date	Location Sub-Area	RCM/iLO	X Tile
Device Class [1]	Maint. Code	Static Note	Y Tile
Device Name	Maint. Vendor	Status	Asset Model/Type
Device Serial Number	Manufacturer	Tier Level	Asset Serial Number
Device Type [2]	Model Name	User Field 1	Asset Site
Install Date	Platform [3]	User Field 2	Start Date [5]
IP Address (Primary)	Operating System [4]	User Field 3	End Date
IP Address (Secondary)	Rack Name	User Field 4	

[1] User defined classes.
[2] User defined types.
[3] User defined equipment architectural categories.
[4] User defined list.
[5] When the asset is scheduled for use by the customer.

Facilities Spreadsheet

Back to Top

OBTAIN recognizes facilities from several perspectives. A Cloud is considered to be a virtualized data center. A Co-lo is considered to be a physical data center (or Site in the OBTAIN nomenclature) but with added requirements to document co-lo contract details. A section of a data center (floor or building) is called a Location. Lastly, the entire enterprise is considered to be a homogenous facility across all the data centers, co-lo's and clouds employed. This spreadsheet displays one row of data for each facility metric. Each facility in the enterprise, including the entire enterprise is displayed as columns in the spreadsheet. It provides a quick way to see how the facility metrics aggregate up the hierarchy to the entire enterprise. Here are the facility metrics displayed as rows of data:

Columns:

PUE	Power Circuits	Kwatts Consumed
Installed RUs	VMs	Kwatts Contracted
Consumed RUs	Enterprise Applications	Co-lo Contract Number
Floor Capacity RUs	Ethernet Switch Ports Installed	Contract Start
Reserved RUs	Ethernet Switch Ports Consumed	Contract End
Reserved Ports	SAN Switch Ports Installed	Monthly Space Charge
Telco Circuits	SAN Switch Ports Consumed	Monthly Connectivity Charge

Logical Data Path Spreadsheet Back to Top

In OBTAIN, a Logical Data path is equivalent to an OSI Model Data Link (layer 2). It cuts out the layer 1 physical elements between 2 data ports.

This spreadsheet displays 1 row of information for every Logical Path that passes the filtering. Users can filter the connectivity by Location and whether the path has been altered in the current work order. The columns of the spreadsheet show the equipment device, port and rack location for each side of the data path.

Physical Data Path Spreadsheet Back to Top

This spreadsheet displays the complete physical path from all ports of one or more device(s). This path view contains all elements like patch ports, trunk fibers and patch cables used to make the layer 1 path between 2 data ports. The Read-only spreadsheet is a text version of the Connectivity mode graphical display and is ideal for determining how many and which ports from a set of devices have a cable attached to them, and which are free. The second column from the left displays the name of each port. Initially the spreadsheet launches with only the paths for the currently displayed device. The **Filter** menu item can be used to select any number of other devices to be included in the spreadsheet based on filtering criteria such as device type, vendor and model. Each cell on the spreadsheet contains the name of the item and a 3-4 character description, i.e.: Trk: 4545 Jmp: FC500.

PDU Spreadsheet Back to Top

This spreadsheet shows the information for each equipment device powered by the currently selected PDU or all PDUs. Data for the power circuit that feeds the device and the device itself are displayed in a single row of the spreadsheet. The spreadsheet can be sorted by any column in ascending or descending order by clicking on the header of the appropriate column.

Columns:

PDU Name	Device Rack Name	Device Model
Power Panel Name	Power Strip Name	Device Manufacturer
Circuit Pole Position(s)	Power Strip Socket/Outlet ID	Total # of Device Power Feeds
Breaker Amperage	Device Name	Device Power Up Rating
Power Cable/Receptacle ID	Device Serial Number	Operational Rating
Receptacle Type	Device Location	Actual Measured Power Draw
Receptacle X/Y Tile Position	Device X/Y Tile Position	Misc. Device Data Fields [1]

[1] Notes, User Fields, IP Addresses, etc.

Server Spreadsheet Back to Top

The Server spreadsheet is used to report on the servers in your data center, including physical devices, blades and virtual machines and hosts. A single row of information is displayed for each server.

Columns:

Host Name	Serial Number	Enclosure Device
Host Type	IP Address	Enclosure Slot
Server Type	Number of Applications	Enclosure X/Y Tile Position
Server Name	VM Version	Enclosure Location
Asset Number	LUN Name	Enclosure Sub Area

Trouble Tickets Spreadsheet Back to Top

A Trouble Ticket can be attached to any data path in the OBTAIN database. Multiple trouble tickets can be attached to a single data port. This feature provides a means to document the history of ports that have had problems and what actions were taken to resolve them.

The Trouble Tickets spreadsheet can be filtered by 3 user-defined property lists: Ticket Type, Status, Resolution. The spreadsheet contains a row of information for each trouble ticket that passes the filters.

Columns:

Device Name	Ticket Type	Closed On
Port Name	Ticket Status	Ticket Note
Created On	Ticket Resolution	
Created By	Power Circuits	

Trunk Cables Spreadsheet Back to Top

The Trunk Cables spreadsheet is used to show how your structured cabling environment is trunked.

A row of information is displayed for each Trunk Cable segment that connects 2 patch panels. In most cases, a complete trunk cable is used to twin 2 patch panels together. Sometimes, only a portion of a trunk cable is used to connect the ports of one panel to the ports of a another panel, with the remaining fibers in the trunk used to connect to different panels.

The spreadsheet can be filtered to show all Asset Groups or just a single Asset Group.

Columns:

A Side					B Side		
Panel Note	Panel Name	Port Range	Number of Ports	Trunk Name	Port Range	Panel Name	Panel Note

Exports

Back to Top

The OBTAIN Export Module allows users to export data from OBTAIN to a comma-separated values (.CSV) file for use with other applications running under different operating systems, or written by different software manufacturers. Exporting data can be initiated by selecting **Transfer** from the Menu bar of the appropriate asset window.

To help narrow the focus when selecting the devices to be exported you can apply a filter so that the export includes only data that satisfies the criteria that you specify. For example, you may have a database that includes hundreds or thousands of devices. However, you want to export only a subset of those records. You can create a filter so that only that subset of records is included in your export.

Device Export Cable Export Rack Export

Device Export

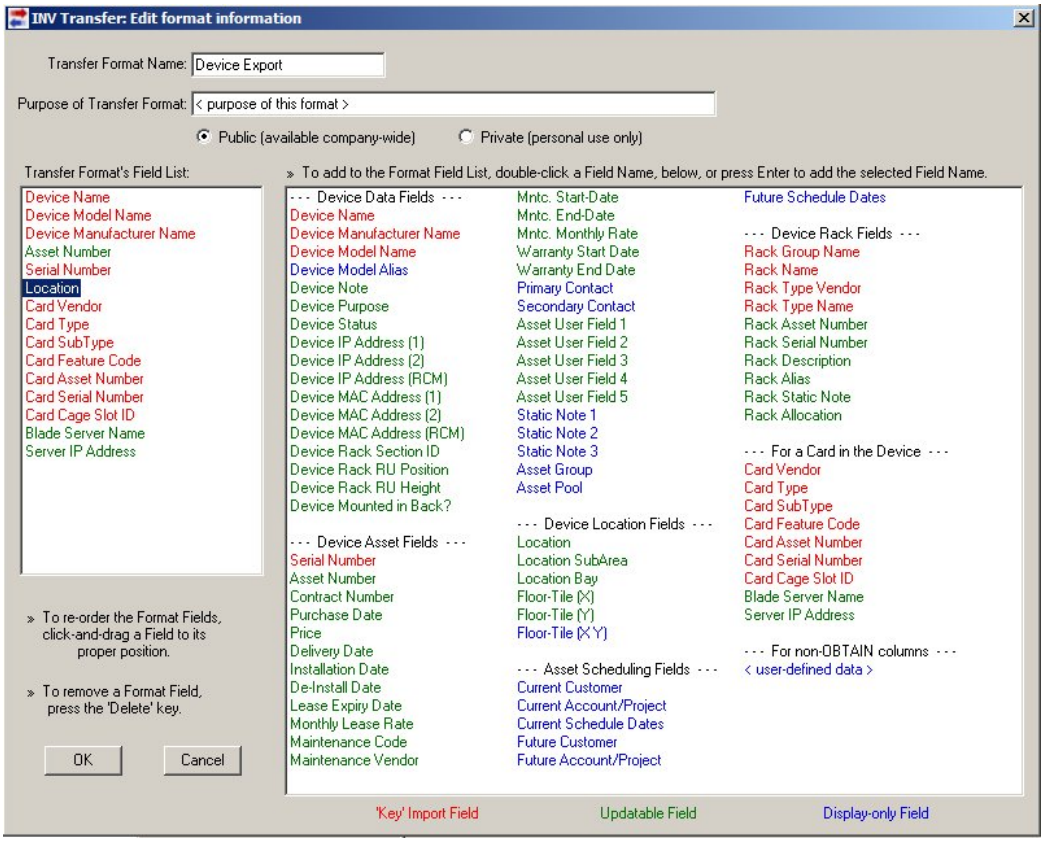
Data Fields

The Device data fields available for export, sorted by category.

Data Filters

Filter by:

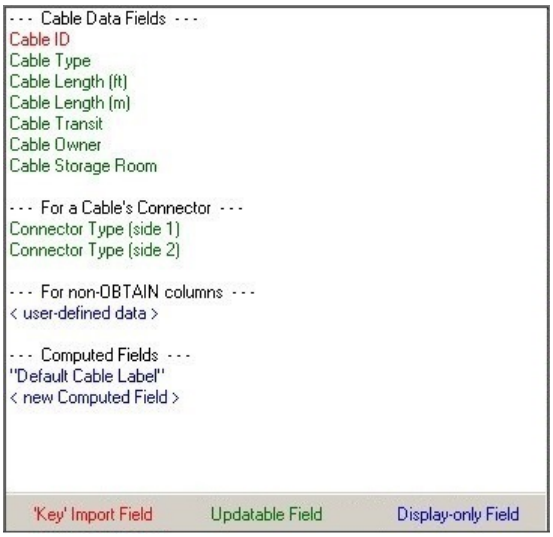
Date	Model
Status	Function
Vendor	Rack
Workorder	Device Name



Cable Export

Data Fields

The Cable Data Fields available for export, sorted by category.



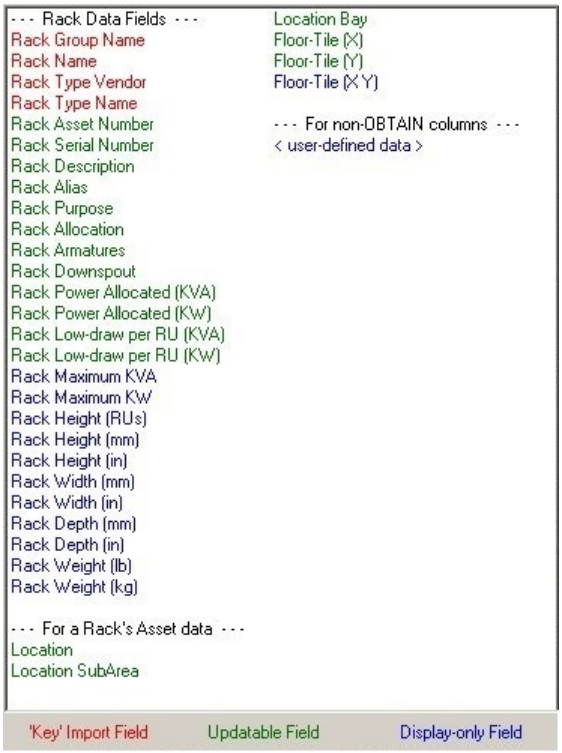
Data Filters

Filter by:	Length	Workorder
	Date	Rack
	State	Cable Name

Rack Export

Data Fields

The Rack Data Fields available for export, sorted by category.



Data Filters

Filter by:	Date	Rack Type
	Workorder	Rack Allocation
	Rack Group	Rack Name