TDP x-Ray 2.1 Lite

User Guide

TDP

1   What is TDP x-Ray Lite?

TDP x-Ray is a visual tool intended for disk space administration. It has been designed to simplify the work with high-capacity data storage containing millions of files.

You shall appreciate TDP x-Ray, for example, when there is no free space on your 500GB disk and it is not clear where all the free space has gone. Instead of spending hours of your time browsing through folders file by file in the effort to find out what can be removed from the disk, TDP x-Ray shall provide a clear graph showing the disk space occupation. In the graph, you can immediately see which files and folders occupy the most space.

To easily visualize the entire disk space, a special sunburst graph is used. In fact, it is a multilevel round diagram. The graph levels correspond with the structure of the selected disk or folder. The size of specific parts represents a relative size of the respective file or folder in comparison with the other files on the disk. The largest files and folders occupy the most space on the screen, which makes them easy to identify. Part colors are selected so that two adjacent colors always differ.

*) In this document, a "disk" means any data storage accessible from a workstation disks, network disks (Novell, NT bundles), disk arrays, virtual disks, CD/DVD, Flash disks, ZIP®, Jazz®, memory cards, diskettes, etc.

1.1   Features

- Clear round graph displaying the occupation of the space on a disk
- Large files or folders can be identify immediately
- Optimized for large disks with millions of files
- The graph is divided based on the size of files / folders
- Easy movement within the folder structure of a disk immediate information about the occupation of a specific part of a disk
- Possibility to open a file in the Explorer or to view properties directly from a graph
- Deleting files / moving them into the thrash bin directly from a graph
- Searching for a file on a local or network disk using the Browse function, which displays the tree structure
- Launching TDP x-Ray with a parameter, which is the path to a folder on a local or network disk
- Quick thrash bin emptying directly from the application
- Possibility to register TDP x-Ray with the Windows context menu upon using the "x-Ray It!" command, TDP x-Ray shall open on the required folder

- Quick and anti-alias graph views accelerated by hardware

- Launching TDP x-Ray without parameters shall open a folder viewed last time

- Proportional and top-ten mode of the graph

- Full-screen mode

- Quick review of the structure of a folder under the cursor

2   License Information

- Software is licensed always for a single user, which obtains the exclusive right to use the software on a single device (PC, server, flash disk, diskette) at any given moment.

- If a company uses the software, one license must be purchased for each user (or a multi-license must be obtained).

3   Installation

For installation and operation of the TDP x-Ray application, the respective workstation must meet requirements specified below:

3.1   HW and SW Requirements

- Graphic card withOpenGL witha 64MB memory (or more)

- The memory utilization depends on the number of examined files (for a 100 GB disk with 100,000 files, you need memory of about 15MB)

- Approximately 500KB of space on a disk for the application + approximately 1 to 10 MB for cache (depending on the number of files on the disk - 10MB corresponds with approximately 180,000 files). You can choose not to use cache (see "Configuration")

- MS Windows 2000 SP4 or Windows XP SP1/SP2

The installation is quick and simple. After launching the xRaySetup.exe file, the installation wizard opens. Then, you need to agree with the license terms and conditions, to select a folder for the installation and decide whether to integrate the "`x-Ray it!`" command into the Windows context menu (see "Context Menu"). The installation takes only a few seconds.

3.2   Uninstall

You can uninstall TDP x-Ray by selecting the `Uninstall` option in the Windows menu (`Start` $\Rightarrow$ `Programy` $\Rightarrow$ `TDP x-Ray` $\rightarrow$ `TDP x-Ray`), or by launching the file `uninst.exe`, which is located in the folder, to which x-Ray was installed (default location: `C:\Program Files\xRay`).

4   Controls

TDP x-Ray is launched in the standard way from the Windows menu (`Start` ⇒ `Programy` ⇒ `TDP x-Ray` → `TDP x-Ray`) it shall open on the disk viewed last time. To open the application directly on a specific folder, use the `x-Ray It!`command integrated into the Windows context menu (see "Context Menu") or launch TDP x-Ray with a parameter the path to the required folder (the parameter for the Program Files folder: `xray.exe C:\Program Files`)

Description of the Application Window Sections
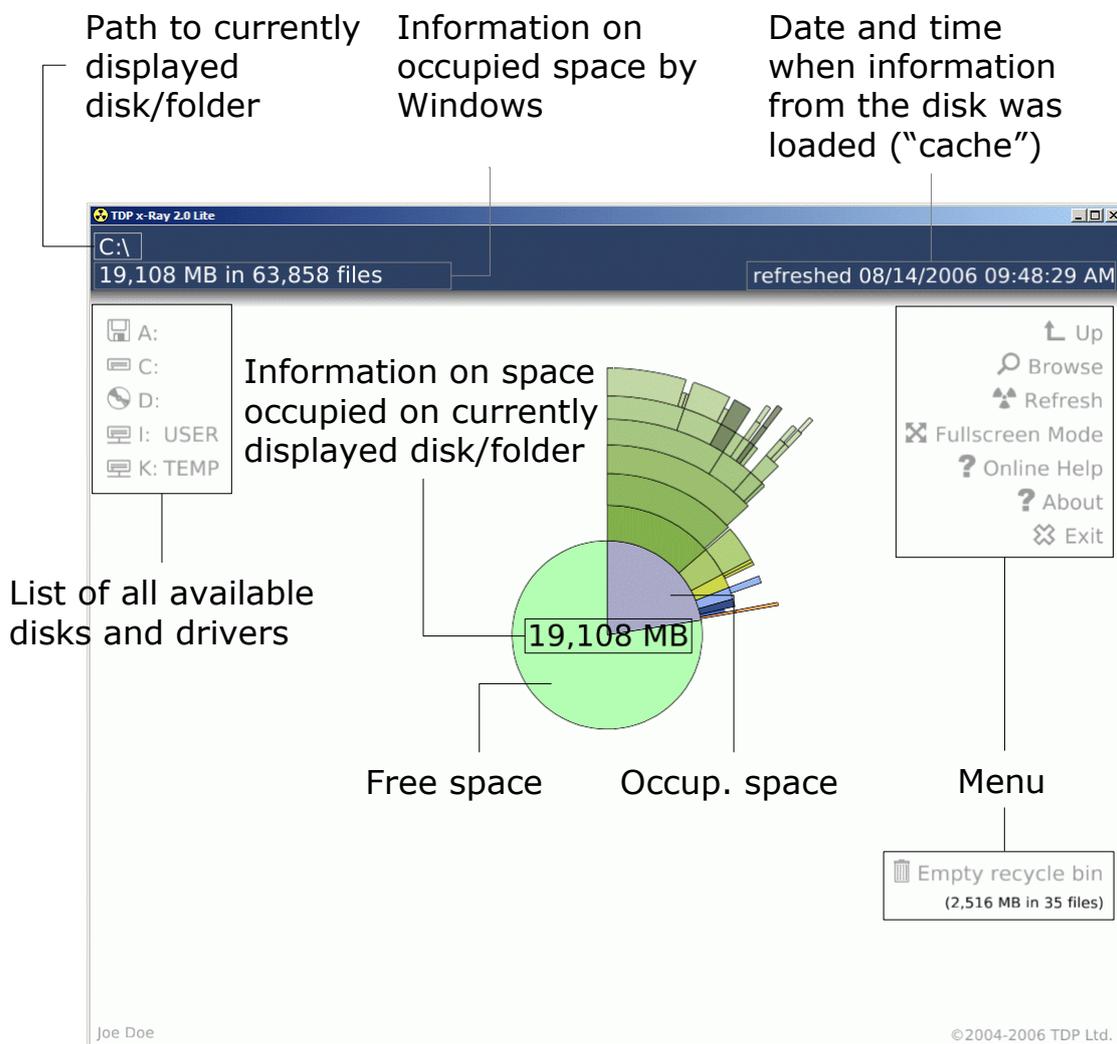
The first step is selecting the disk to be scanned from the list of available disks and drivers in the left part of the application (you can also use the `Browse` command, see below). TDP x-Ray then begins to scan the content. The graph is gradually updated and redrawn. Reading the structure of the entire disk can take several minutes, depending on the size and speed of the disk.

The scan progress can be seen in the progress bar at the bottom part of the window. Scanning can be interrupted by pressing ⟦Esc⟧ or by clicking on the Stop icon on the left, near the information text above the indicator.
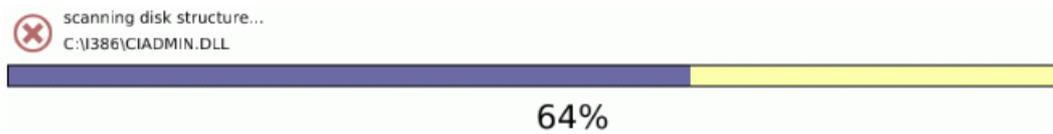

To speed up the process of the graph redisplays, loaded information on the respective disk is saved into cache memory. Information on the date and time of the last scan of the currently selected disk is displayed in the upper right corner of the window. The text color indicates the period between the current date and the date of the last loading: White current, Yellow older (about 12 hours), Red old (about 24 hours, or the x-Ray application removed a file / folder). Cache is updated always upon using the Refresh function. The content thereof is stored into %TEMP%\.xray You can choose not to use cache in the configuration file (see "Configuration").

Darker shades indicate files or folders modified a year ago or earlier

Detailed information on a folder or a file, above which the cursor is placed, is displayed in the form of "tool tips". Specifically, they include the name, size, date and time of the last modification and the name of the file or folder creator.

When moving the cursor above a folder, a mini image of the given folder graph is displayed.

19,108 M

Program Files
1,543 MB in 19,694 files
08/14/2006 08:53:32 AM
Administrators
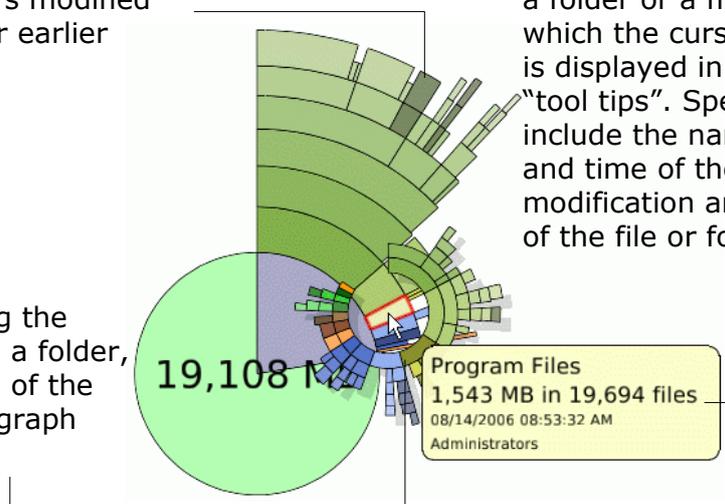
By clicking on a section representing occupied space, the graph is redrawn, displaying files and folders around the full circle i.e. in more detail. By clicking on the graph center, the initial picture is shown displaying both the free and utilized space.
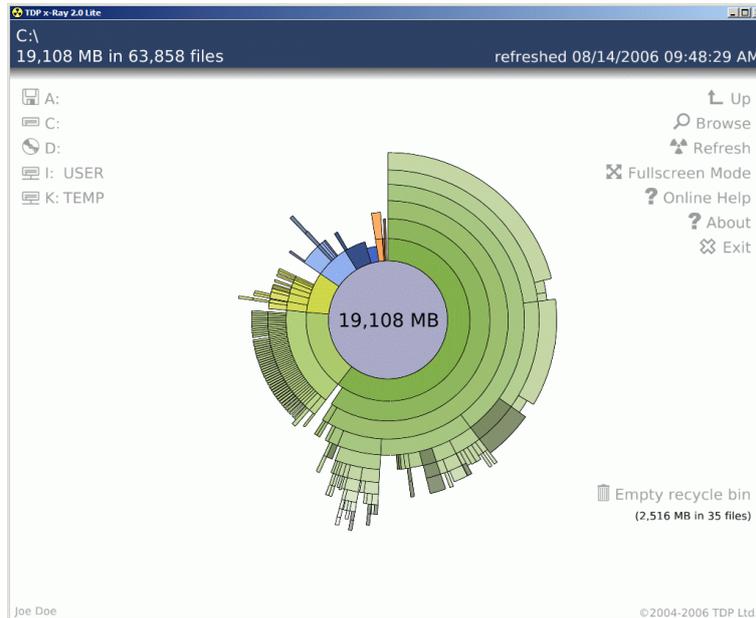
Detailed view of occupied space

4.1 Viewing the Graph in the "Top Ten" Mode

TDP x-Ray can display the content of the current location in two modes proportionate (default) and "Top Ten". The size of parts in the proportionate mode is related to all other files. In the top-ten mode, only the ten largest subfolders or files are displayed with each folder. This is convenient if you wish to view a folder containing many files of similar size, as TDP x-Ray displays only files with a specific limit size or larger and, in the proportionate mode, nothing could actually be displayed in the case of such folder. You can switch between the proportionate and "Top Ten" modes by pressing ⊤ . After switching on, the "Top Ten" mode is indicated by the `Top10` mark in the center of the graph.
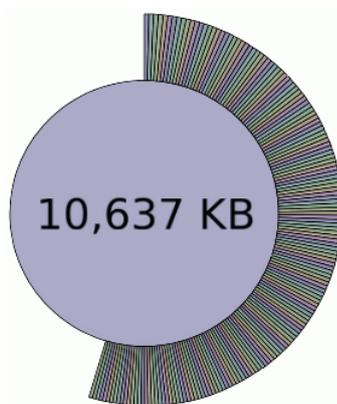
Proportionate view
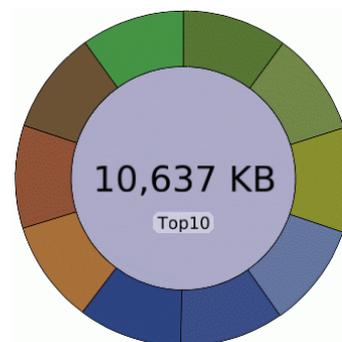
"Top Ten" mode view

4.2   Mouse Controls

- By moving the cursor above the graph, details on the respective file or folder are displayed.

- Left mouse – click – go to the folder

- Left mouse – double click – open the file in an associated application

- Right mouse – click – display the context menu (see below)

- Roll – moving within the folder structure of the disk (down = to the root folder)

4.3   Context Menu

The TDP x-Ray application allows launching some functions from the context menu directly above the selected part of the graph without the necessity to display the respective file or folder in the graph in detail. You can also use the context menu to open the selected folder in the Windows explorer (to open a file in an associated application), to display the folder `Properties`, or to move it to the thrash bin or to remove it entirely. The context menu appears when clicking the right mouse above the respective section of the graph; the context menu offer differs depending on whether the section represents a file or a folder.

Folder

Zoom	**Zoom**	- View a detailed graph of the folder (left-clicking on the respective graph sections has the same effect)
Rescan	**Rescan**	- Reloads information on the occupied space from the disk
Explore	**Explore**	- Opens the folder in the Windows Explorer
Recycle	**Recycle**	- Moves the folder into the thrash bin
Delete	**Delete**	- Removes the folder completely (*Note: It cannot be recovered using standard means!*)
Properties	**Properties**	- Displays the MS Windows Properties window of the respective folder

Soubor

Open	**Open**	- Opens the file in an associated application
Recycle	**Recycle**	- Moves the file into the thrash bin
Delete	**Delete**	- Removes the file completely (*Note: It cannot be recovered using standard means!*)
Properties	**Properties**	- Displays the MS Windows Properties window of the respective file

4.4   Explorer Context Menu

The Explorer context menu (if right-clicking on a folder) includes the "x-Ray it!" item after the installation. This item allows displaying a selected folder in the TDP x-Ray

application upon a single click (unless the application is already open, it shall launch).

Note: To make this function available, you need to permit the respective command in Windows upon installation (set as default).

4.5   Keyboard Controls

| Keyboard Shortcuts	
F1	Online help
F5/R	Refresh
F11	Switch between the window and full-screen display
T	Switch between the proportionate and top-ten modes
Esc/Backspace	Up by one level
N	Decreasing the number of viewed sub-folders
M	Increasing the number of viewed sub-folders (if possible)
↑	Enlarge Graph
↓	Reduce Graph

5   Menu

5.1   Up

Moving by one step towards the root folder on the disk within the folder structure.

5.2   Browse

Displays the "Browse For Folder" window with a tree structure, from which you can view the graph directly for any contained folder upon selection or upon indicating the network UNC path. In this way, you can view a graph even for a folder, which is not represented by any section in the initial graph because it is too small, which means the details on such folder cannot be displayed by clicking on it.
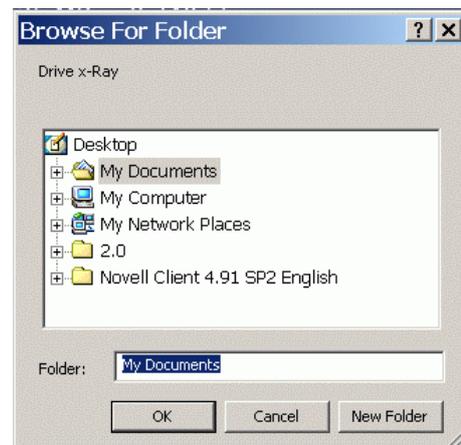
5.3   Refresh

Reloads any updated information on the occupied space on the disk and re-draws the viewed graph based on such information. If any file is deleted using TDP x-Ray, the

`Refresh` button begins to pulse in red. It means the viewed graph is not updated and should be scanned again. Upon using the `Refresh` function, the cache content for the respective disk becomes rewritten.

5.4   Full Screen Mode / Window Mode

Switches between the full-screen and the window views of the application ("window" set as default).

5.5   Online Help

If the Internet can be accessed from the workstation, on which TDP x-Ray is launched, a Help page shall open in a window of the default browser.

5.6   About

A window shall appear containing information about the application and its license owner. If you use the trial version, the number of days remaining for the free trial shall be displayed as well.

5.7   Close

Closes the application.

5.8   Empty the Thrash Bin

Emptying the thrash bin.

Please note: Files cannot be recovered from the thrash bin using standard means!

6   Configuration

Some features of TDP x-Ray can be set using the configuration file. A sample file with detailed comments called `xray.cfg.sample` is saved in the respective TDP x-Ray installation file (default location: `C:\ProgramFiles\xRay`)

The configuration file allows setting an automatic updating (refreshing) of a graph after a set number of minutes (no automatic refresh is set as default) or defining the cache update period in hours determining when it shall be considered old. 24 hours are set as default; if 0 is set, cache is not used.

Please note! – Forbidding the cache results in a dramatic slow-down during repeated displays of the graph, as all data have to be reloaded again!!

For TDP x-Ray to follow the configuration file instructions, the configuration file must be located in the folder, from which TDP x-Ray is launched and must be named `xray.cfg`. All performed and saved changes become apparent only after the application

is restarted. If TDP x-Ray cannot be used due to modifications in the configuration file, the configuration file can be removed or renamed and the application can then be restarted.

Note: Only changes in the automatic refresh and cache period settings are supported. We recommend that you do not perform any other modifications (such as a change of the color scheme) all such potential changes shall be made at you own risk!

7   Application Web Site

You shall find any updated information on TDP x-Ray, including potential new versions to download, at:

    http://www.tdp.cz/products/xray.shtml