

QDisk

COLLABORATORS

	<i>TITLE :</i> QDisk		
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REVISION HISTORY

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Chapter 1

QDisk

1.1 QDisk Documentation

Q D I S K

Version..... 2.13
Requirements..... OS 2.x
Distribution..... © Freeware

Whats New

Credits

Distribution

Bugs & Quirks

What Is QDisk?

Contact

Using QDisk

History

1.2 distribution

Distribution

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"Its Not PD, But Its FREE!"

1.3 what is qdisk?

What Is QDisk?

QDisk provides you with the ability to monitor, from WorkBench, the space usage of all AMIGA DOS disk volumes that are currently mounted. QDisk can also send you a notification using a standard requester or a recoverable alert when usage exceeds a limit set by you. QDisk requires WB2.04 or higher.

1.4 whats new?

Whats New In v2.13?

v2.13 is a minor maintenance release.

- o Documentation cleaned up.
- o Minor modification to interface.
- o Put in a "real" iconify gadget.

See

History
for detailed changes.

1.5 credits

QDisk Credits

Written By..... Norman Baccari.
Creative Assistance... Jen Allen.
..... John Waszczak.

1.6 using qdisk

Using QDisk

Windows

Main

Detail

Graph
Preferences

General

Notification

1.7 qdisk main window

QDisk Main Window

To use QDisk simply double click on the program icon or you can place QDisk in your WBStartup drawer. You will then be presented with the main window on the WorkBench or public screen that you have specified. In it will be a list of DOS volumes that are currently mounted. There are 4 columns starting from "Usage", "DevName", "VolName" and "FreeBytes". By simply clicking once on one of these lines, a detail window will open showing more information on that particular volume.

Iconifying QDisk

The main window has an additional gadget to the left of the zoom gadget in the title bar. Clicking on this will shut down QDisk and open a small title bar window. To un-iconify, select the iconified window and click the right mouse button.

Menus

The menu options from the main window are as follows...

Menu Item	Description
Graph	: Calls up graph usage window.
Iconify	: Iconifies Disk.
Preferences	
Notify	: Prefs editor for notification of drive usage.
General	: Prefs editor for QDisk general preferences.
Load	: Load current preferences settings.
Save	: Save current preferences settings.
About	: Author/program info
Quit	: Quit QDisk

Keeping Up To Date

QDisk reads the systems DOS device/volume lists to update itself. Updates happen whenever a disk is removed or inserted, or the main window is made active. Optionally, you can set updates to take place by activating the timer and setting the timer interval from the general preferences editor.

1.8 qdisk detail window

QDisk Detail Window

When you select one of the drives from the main windows listview gadget by clicking on it, you will be presented with a detail window with information on the drive you selected. Across the bottom of the window there is a graphic bar that indicates the space usage based on percent.

1.9 qdisk graph window

QDisk Graph Window

Selecting "Graph" from the main menu will provide you with a window that has a bar graph or "gas gauge" representing each drives space usage. If there are more than 10 drives mounted on your system then you can use the scroll bar on the right of the window to scroll through your drives.

1.10 general preferences

General Preferences

Windows

This group of gadgets allows you to set the TopEdge and LeftEdge of all the windows or you can manually enter values for TopEdge/LeftEdge. Or, if the window is currently open, you can take a snapshot of it. These values will be used next time you boot QDisk. If you try to snapshot a window thats not open it will be ignored.

Bar Graph Pens

This group of gadgets allows you to set the pen colors for all the bar graphs. The front pen is used for the actual bar render, the back pen for a background to the bar and the text pen is the color of the text in the bar.

Miscellaneous Prefs

Priority

The priority for QDisk can be altered by +/- 3. Use this option keeping in mind that this will effect either QDisks performance or your overall system performance. Good values would be +/- 1.

Sort Device Names

This will sort device names in ascending sequence.

Show Free Bytes AS Mb/Kb

This will format the free bytes into Kilobytes/Megabytes. Keep in mind that a kilobyte is 1,024 bytes and a megabyte is 1,048,576 bytes. This should be mentioned as there will be a difference between space expressed as bytes vs Mb/Kb.

Start Iconified

If activated, QDisk will start up in an iconified state.

Update Every...

This will cause QDisk to be updated using the timer device at the interval that you specify in seconds. The minimum interval is 5 seconds, and maximum interval is 999 seconds. Updates are always performed when a disk is inserted or removed, or the main window is activated. See also

Considerations For Timed Notifications

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Mark When...

This will cause QDisk to place an asterisk to the left side of any volume that equals or exceeds the percent usage that you specify as the "% Full". For example, if you specify a mark at 85%, any volume having a percent usage of 85% or more will be marked.

PubScreen

If a public screen name is specified, QDisk will open on that screen. Otherwise the WorkBench screen will be used.

1.11 notification preferences

Notification Preferences

Setting Up Notification

Notification preferences are used to set up how you would like to be notified if space usage exceeds your requirements. There are two listviews, VOLUMES and the NOTIFY LIST. The VOLUMES list shows the volumes currently mounted from which you may select. The lists are arranged in two columns, the left showing the device name and the right showing the volume name. Clicking on a volume from the VOLUMES list will make it available to be added to the NOTIFY LIST. When a volume is selected the "ADD" gadget will become active and the current percent usage and free bytes for that volume are displayed in the read only gadgets under the VOLUMES list. If you then click on the "ADD" gadget above the VOLUME list then this volume will be inserted into the NOTIFY LIST. To remove a volume from the NOTIFY LIST, select it by clicking on it and then click on the "REMOVE" gadget. When a volume is added, it is given a set of default parameters and set to be

inactive. To change these, select the volume from the NOTIFY LIST. This will activate the gadgets from which you can change these parameters. You can be notified based on percent usage, free bytes left, or both.

See also

Considerations For Timed Notifications

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Notify When Percent Full Exceeds...

This indicates the percent usage at which you would like to be notified. If space usage percent is equal to, or exceeds what you have specified then a notification will be sent. Setting this to 100% is like turning it off.

Notify When Free Bytes Less Than...

This indicates the minimum allowable free space before a notification is sent. If the free bytes on a volumes are equal to or less than what you have specified then a notification will be sent. Setting this to 0 is like turning it off.

Notification Type

You can be notified in one of two ways. An Intuition Requester or a Recoverable Alert. When a notify is given using an Intuition Requester you will be able to turn off notification or continue. From the Recoverable Alert, the notification state is automatically turned off once you click on a mouse button. From either type, QDisk will tell you the device/volume name that triggered the notify, and the current percent usage and free bytes on the drive. Keep in mind that QDisk will NOT try to halt a process that may be saving or copying data to your drive. Ideally, you should set your notifies to occur at such a time that you can stop the program that is using up drive space.

Notify State.

This is used to toggle notification between ACTIVE & IN-ACTIVE for the currently selected volume in the NOTIFY LIST.

1.12 considertime

Considerations For Timed Notifications.

Keep in mind that the more volumes you have for active notification the longer it will take QDisk to complete its update cycle. QDisk first scans the AMIGA DOS list and updates its information. Then it checks each active volume you have in the notification list and compares your usage parameters with current usgae for each active volume. In an extreme situation, if your auto update interval was 5 seconds and there were 20 active volumes to be checked for space usage QDisk would be in a constant update cycle since, by the time it has finished its update cycle QDisk will have received another message from the timer device to perform an update. This means QDisk will be

using CPU at a constant rate. The best approach is to allow a time period for each active volume you expect to be notified. The length of time will depend on how fast your system is (I.E. 68000 vs 68040). The priority that QDisk is set at should also be considered in this case.

1.13 bugs & quirks

Bugs And Behavior Quirks.

Bugs:

As of version 2.13...

-If a drive is locked (i.e. Reorg) then it shows as PIPE: in main list.
If the notify is on for that drive it will pop up with garbage values.

Quirks:

As of version 2.13...

-The cancel function from the Notify Preferences window only closes the window and doesnt actually cancel anything.

1.14 contact

Contacting The Author

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..... M4Y 2X3

1.15 history

History

1996.10.19 v2.13 - Strictly a maintenance release.
- Update/Cleanup Documentation.
- Dropped the .doc file.
- Removed psuedo iconify gadget & put real one in.
- Made some minor mods to main window look.
- Split menu into Project & Preferences.
- Iconify will now close any windows currently open.

1994.05 v2.12 - Selecting the GRAPH menu option more

than once would leave stranded windows or worse, crash when quitting. Now if the graph window is open, the GRAPH menu option is ghosted.

- 1994.05 v2.11 - Fixed enforcer hit. Hit would happen if QD was iconified and a pref window was closed. QD would try to re-activate prefs menu on main window that wasnt attached. (My Fault!).
- Recompiled QD and made some optimizations. Resulted in reduction in binary size (about 9% smaller).
 - Made some minor changes to some text items.
- 1994.04 v2.10 -New window: "Usage Graph" shows a scrollable bar graph list of each drives usage.
- New Pref: "Priority" Sets QD priority +/- 3.
 - New Pref: "Bar Txt Pen" Sets the text pen for text in the bar graph. -New Pref: "Bar BG Pen" Sets a background pen for a bar graph. -New Pref: "Bar FG Pen" Sets the color of the bar graph.
 - New Pref: "Sort Devices" Sorts Drive by device name. -New Pref: "PubScreen" QDisk will now open on specified Public screen. -New Pref: "Show Free Bytes As.." Will format free bytes in kb/mb.
 - New Pref: "Force Main To Front". Will cause Main Window to move to front if its open. Ignored if a pref window is open.
 - Detail window now updates itself if open.
 - Graph Bar in detail window now shows % full in the bar. -Fixed bug in detail windows bar graph. It wasn't clearing bar if you selected a drive that was 0% full.
 - Removed WFLG_ACTIVATE flag from main/iconify window.
 - Removed window height gadget from general prefs.
 - Added new IFF chunk BPNS for Graph Bar Pen Prefs .
 - Added new IFF chunk PRIO for Priority Prefs.
 - Oversight on my part that nobody noticed or didnt inform me of. If you changed your prefs and canceled, nothing was actually canceled. It was no different than selecting OK. For general prefs this has been fixed. Still have to implement this for notification prefs.
 - Preferences file structure had to be redefined as it had a couple dead ends that were an oversight on my part. This means prefs prior to version 2.10 will not load into QDisk. Sorry!! Re-defined struct PrefsMisc to contain all QDs BOOL flags in ULONG variable called Flags. Also added 2 more ULONG's just for a little headroom so I wouldnt have to do this again.
 - Window prefs are now saved as an IFF chunk for each window versus an array of window prefs in a single chunk.
 - Redesigned prefs editor into 2 menu options/windows to make room for more prefs. Consists of general prefs. and notification prefs.
 - Added keyboard shortcuts to menus.
- 1994.01 v2.01 -Rearranged gadgets on prefs editor window and added better label to make it more obvious how the
-

- percent/free bytes int gadgets work.
-Forgot to put in Busy Pointer when the "About" option is called from the menu. This has been done.
- 1994.01 v2.00 -Jumped to version 2.00 from 1.1. (Almost a complete rewrite.)
-All versions from 2.00 will use standard version notation.
-All tooltypes removed and replaced with a prefs editor.
-Added as preference the ability to start QDisk Iconified.
-Added snapshot feature to position windows from PrefEd.
-Set up the ability to be notified when a drive exceeds space usage.
-Changed Detail window from using IntuiText type display to GadTools text gadgets.
-Main listview format is now a combo of drive/volume Name.
-The HASH graph removed.
-Changed the ABOUT credits listview to simple & brief system requester. The old way wasn't worth the overhead.
-Permanently removed the update button.
-New iconify routine uses a seperate window instead of the zip gadget. Activated by gadget in upper right corner above listview.
-Replaced main window gadgets with menus.
-Main window is now resizable.
-Documentation in AmigaGuide Format.
-Fixed an enforcer hit caused by NOT using LockDosList().
- 1993.08 v1.1a -Minor Bug in DetailWindow. Text and bar graph would be out of alignment if the screen font was more than 8 points. Made 'Y' coordinates relative to Windows TopBorder (window->BorderTop). Thanks Scott!
- 1993.07 v1.1 -Removed "OK" gadget from Detail window.
-Removed recessed border in Detail window
-Moved "gas gage" to bottom of Detail window.
-Removed the font drop shadow in Detail window.
-List View is only re-rendered on disk insertion or disk removal.
-Auto Update via timer.device toggled on/off with AutoUpdate tool type.
-UPDATE_SECONDS Tool type to set UD interval seconds.
-New Detail display mode, HASHGRAPH
-Rounding added to space usage for better accuracy.
-ZOOM_X & ZOOM_Y tool types added for positioning window when zoomed.
-Update on IDCMP_WINDOWACTIVE
-SHOW tool type defines main display format for boot-up.
- 1993.04 v1.0 -Initial public release.
- 1993.03 v0.04 -Versions up to 0.04 are unreleased BETA versions.
- 1992.01 v0.00 -Original program (Called BOOTMSG) was a wb1.3 probe into device lists based on an article in the april/may 1991 issue of AW Tech Journal. It was never released as it was experimental, and stayed dormant until it was given a new life as QDISK more than a year later.
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