Subject: Get volume name of shares ...
Posted by dschoni on Mon, 08 Feb 2021 21:11:02 GMT
View Forum Message <> Reply to Message

Is there a simple way to get the volume name of a share?

First I tried to use the SysInfo packages GetDriveInformation() from bazaar. But it seems to be rather old and does not work. If I compile it, I get errors:
SysInfo.h (274): error: no type named 'mt19937' in namespace 'std'.
I've got no idea, how to fix that. Basically I couldn't find any usefull method to get the required informations.

Best Regards, Daniel.

Subject: Re: Get volume name of shares ...
Posted by dschoni on Mon, 08 Feb 2021 21:31:11 GMT
View Forum Message <> Reply to Message

Well, it seems, I've got the solution

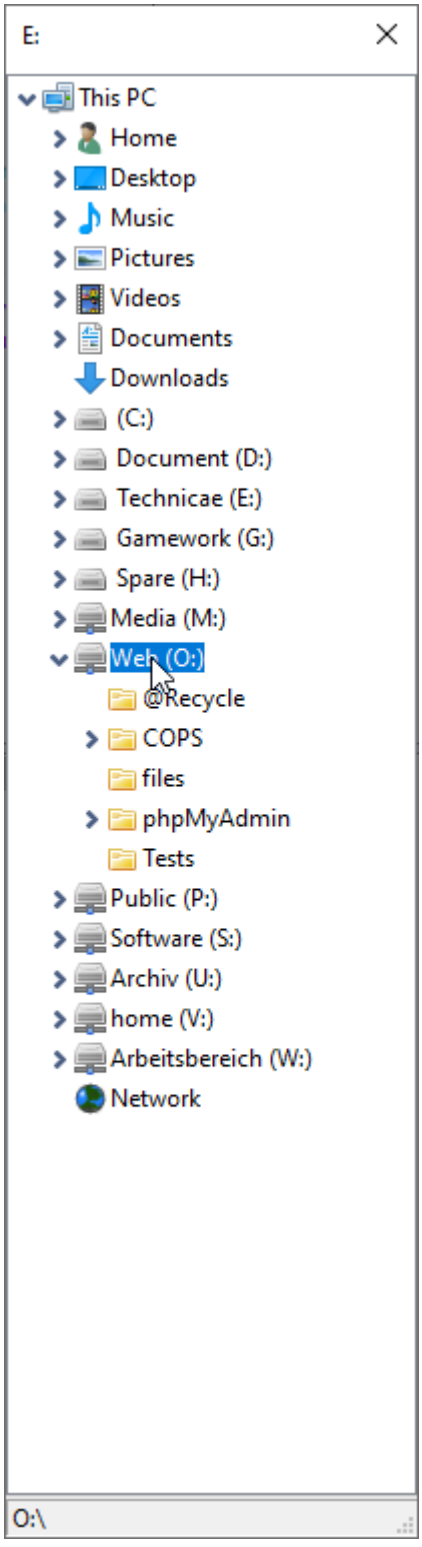
I've copied the whole GetDriveInformation(...) function to my code.

Best Regards, Daniel

P.S.
It's getting more and more interesting.
The GetDriveInformation is based on GetVolumeInformation, which is also used in Path/FileSystemInfo::Find, but unfortunately this function does not read out the volume name.
I found also that the GetVolumeInformation function is part of winbase.h and fileapi.h, which both are included in Upp - this gives me ideas to work on ...

File Attachments

1) Bild_2021-02-08_222948.png, downloaded 1057 times



Subject: Re: Get volume name of shares ...
Posted by dschoni on Mon, 08 Feb 2021 22:18:56 GMT
View Forum Message <> Reply to Message

I'm using a tree and some modifications on the library files:

---
used mods

FileSel.h: adding

Image GetDirIcon(const String& s);

CtrlLib.h:

#define NEWSTYLE

TreeCtrl.cpp:1023

```
            if(yh >= 0 && yl < sz.cy) {
    int x = levelcx + levelcx * l.level + levelcx2 - org.x;
#ifdef NEWSTYLE
#else
    w.DrawRect(x, yl, 1, yh - yl, SColorShadow);
#endif
   }
```
TreeCtrl.cpp:1051
```
  if(w.IsPainting(0, y, sz.cx, msz.cy) && msz.cy > 0) {
   if (multiroot) {
    if(m.canopen || m.child.GetCount()) {
#ifdef NEWSTYLE
     Image im = m.isopen ? CtrlImg::SmallDown() : CtrlImg::SmallRight();
#else
     Image im = m.isopen ? CtrlImg::treeminus() : CtrlImg::treeplus();
#endif
     op -= CtrlImg::cross().GetSize() / 2;
     w.DrawImage(op.x, op.y, imgEmpty);
    }
   }
   else {
#ifdef NEWSTYLE
#else
    w.DrawRect(op.x, op.y, levelcx2, 1, SColorShadow);
#endif
    if(m.canopen || m.child.GetCount()) {
#ifdef NEWSTYLE
     Image im = m.isopen ? CtrlImg::SmallDown() : CtrlImg::SmallRight();
#else
     Image im = m.isopen ? CtrlImg::treeminus() : CtrlImg::treeplus();
```

```
#endif
     op -= im.GetSize() / 2;
     w.DrawImage(op.x, op.y, im);
    }
   }
   w.DrawImage(x, y + (msz.cy - isz.cy) / 2, m.image);
   x += isz.cx;
   Color fg, bg;
   dword st;
   Size csz = m.GetCtrlSize();
   if(m.ctrl && !highlight_ctrl) // 2008-04-08 mrjt
    x += csz.cx;
   if(x < sz.cx) {
    const Display *d = GetStyle(i, fg, bg, st);
    int ctx = highlight_ctrl * csz.cx;
    Rect br = RectC(x, y, vsz.cx + 2 * m.margin + ctx, msz.cy);
    if(!IsNull(m.value) || m.ctrl && highlight_ctrl) {
#ifdef NEWSTYLE
#else
     w.DrawRect(br, bg);
#endif
     Rect r = RectC(x + ctx + m.margin, y + (msz.cy - vsz.cy) / 2, vsz.cx, vsz.cy);
     w.Clip(r);
     d->Paint(w, r, m.value, fg, bg, st);
     w.End();
    }
    if(i == cursor && !nocursor && multiselect && GetSelectCount() != 1 && HasFocus()
       && !IsDragAndDropTarget())
     DrawFocus(w, br, st & Display::SELECT ? SColorPaper() : SColorText());
   }
  }
```

If there is an easier way to modify the tree, I would be glad to hear.

Best Regards, Daniel

Subject: Re: Get volume name of shares ...
Posted by koldo on Tue, 09 Feb 2021 21:00:10 GMT
View Forum Message <> Reply to Message

dschoni wrote on Mon, 08 February 2021 22:11Is there a simple way to get the volume name of a share?

First I tried to use the SysInfo packages GetDriveInformation() from bazaar. But it seems to be rather old and does not work. If I compile it, I get errors:
SysInfo.h (274): error: no type named 'mt19937' in namespace 'std'.

I've got no idea, how to fix that. Basically I couldn't find any usefull method to get the required informations.

Best Regards, Daniel.
Hi dschoni

SysInfo is maintained and tested daily. Please tell me in what environment you have that error and I will solve it.

Thank you.

Subject: Re: Get volume name of shares ...
Posted by mirek on Wed, 10 Feb 2021 14:22:30 GMT
View Forum Message <> Reply to Message

dschoni wrote on Mon, 08 February 2021 22:11Is there a simple way to get the volume name of a share?

First I tried to use the SysInfo packages GetDriveInformation() from bazaar. But it seems to be rather old and does not work. If I compile it, I get errors:
SysInfo.h (274): error: no type named 'mt19937' in namespace 'std'.
I've got no idea, how to fix that. Basically I couldn't find any usefull method to get the required informations.

Best Regards, Daniel.

Check CtrlLib/FileSel.cpp:507. StdFileSystemInfo is in Core...

Subject: Re: Get volume name of shares ...
Posted by dschoni on Wed, 10 Feb 2021 15:44:56 GMT
View Forum Message <> Reply to Message

Dear koldo
Quote:
SysInfo is maintained and tested daily. Please tell me in what environment you have that error and I will solve it.

I've just opened "bazaar/SysInfo_demo_gui", then compiled it (Execute button) on the freshly installed Upp TheIDE Version 15260 (CLANGx64 Debug).

My System:
Edition Windows 10 Pro

Version 20H2
Build 19042.746
Feature Experience Pack 120.2212.551.0

It throws me over 20 errors, one of it is the one with "mt19937".

Best Regards, Daniel

File Attachments

1) Bild_2021-02-10_164312.png, downloaded 1032 times

File	Line	Message (25 errors)
SysInfo/**SysInfo.h**	150	error: unknown type name 'Image'
SysInfo/**SysInfo.h**	155	error: unknown type name 'Image'
SysInfo/**SysInfo.h**	156	error: unknown type name 'Image'
SysInfo/**SysInfo.h**	157	error: unknown type name 'Image'
SysInfo/**SysInfo.h**	274	error: no type named 'mt19937' in namespace 'std'
SysInfo/**ScreenGrab.cpp**	15	error: no matching function for call to 'Window_SaveCapture'
SysInfo/**ScreenGrab.cpp**	622	error: no matching function for call to 'Window_SaveCapture'
SysInfo/**ScreenGrab.cpp**	632	error: no matching function for call to 'Window_SaveCapture'
SysInfo/**SysInfo.h**	150	error: unknown type name 'Image'
SysInfo/**SysInfo.h**	155	error: unknown type name 'Image'
SysInfo/**SysInfo.h**	156	error: unknown type name 'Image'
SysInfo/**SysInfo.h**	157	error: unknown type name 'Image'
SysInfo/**SysInfo.h**	274	error: no type named 'mt19937' in namespace 'std'
SysInfo/**SysInfo.cpp**	138	error: use of undeclared identifier 'GetVARIANT'
SysInfo/**SysInfo.cpp**	169	error: use of undeclared identifier 'Trim'
SysInfo/**SysInfo.cpp**	173	error: unknown type name 'StringParse'
SysInfo/**SysInfo.cpp**	173	error: use of undeclared identifier 'GetSystemFolder'
SysInfo/**SysInfo.cpp**	180	error: use of undeclared identifier 'Trim'
SysInfo/**SysInfo.cpp**	190	error: use of undeclared identifier 'Trim'
SysInfo/**SysInfo.cpp**	214	error: use of undeclared identifier 'Trim'
SysInfo/**SysInfo.cpp**	320	error: use of undeclared identifier 'WideToString'
SysInfo/**SysInfo.cpp**	321	error: use of undeclared identifier 'WideToString'
SysInfo/**SysInfo.cpp**	322	error: use of undeclared identifier 'WideToString'
SysInfo/**SysInfo.cpp**	404	error: use of undeclared identifier 'Trim'
SysInfo/**SysInfo.cpp**	2045	error: use of undeclared identifier 'Odd'

Subject: Re: Get volume name of shares ...
Posted by dschoni on Wed, 10 Feb 2021 17:08:57 GMT
View Forum Message <> Reply to Message

Thank you, mirek

Quote:Check CtrlLib/FileSel.cpp:507. StdFileSystemInfo is in Core...

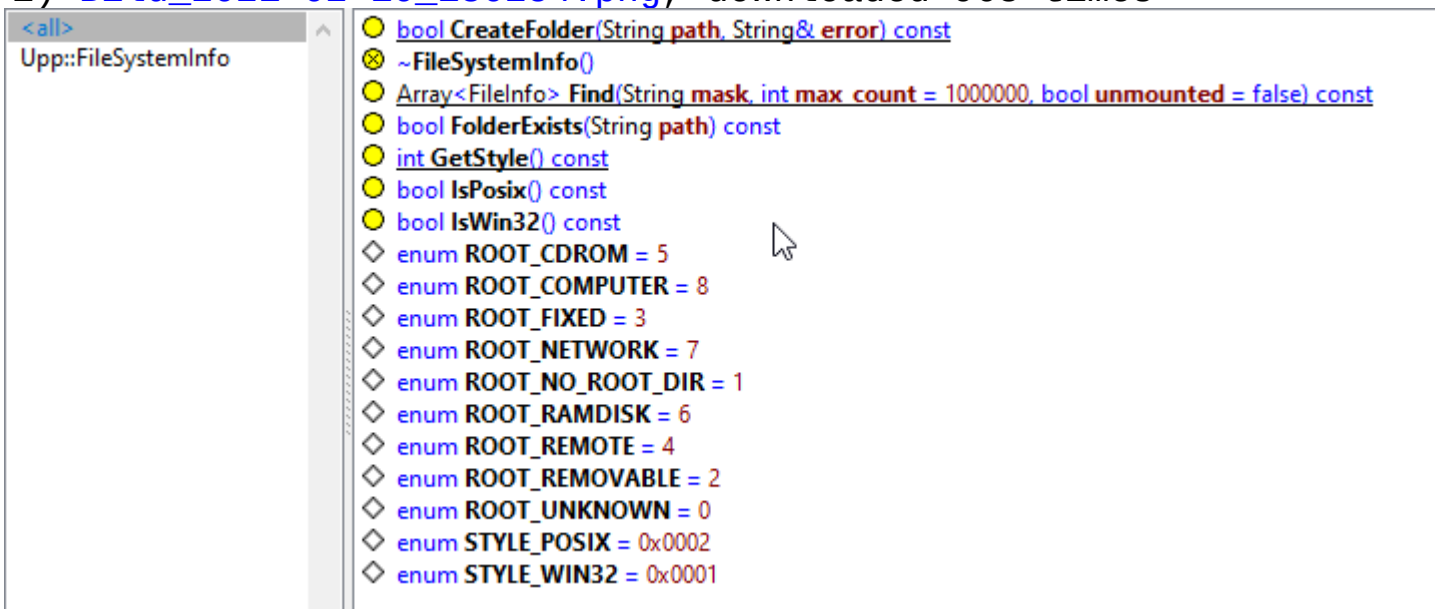
I see, StdFileSystemInfo is in Core/Path.cpp, but the volume name is just private.

So it's required to use GetVolumeInformation directly, to get the desired information.

But thanks a lot, your answers do help me, to learn about the system.
Best Regards, Daniel

File Attachments

1) Bild_2021-02-10_180254.png, downloaded 963 times



Subject: Re: Get volume name of shares ...
Posted by koldo on Wed, 10 Feb 2021 19:33:36 GMT
View Forum Message <> Reply to Message

dschoni wrote on Wed, 10 February 2021 16:44Dear koldo
Quote:
SysInfo is maintained and tested daily. Please tell me in what environment you have that error and I will solve it.

I've just opened "bazaar/SysInfo_demo_gui", then compiled it (Execute button) on the freshly installed Upp TheIDE Version 15260 (CLANGx64 Debug).

My System:
Edition Windows 10 Pro
Version 20H2
Build 19042.746
Feature Experience Pack 120.2212.551.0

It throws me over 20 errors, one of it is the one with "mt19937".

Best Regards, Daniel
Hello dschoni

This is really weird. My base system is similar to yours.
Does anybody could compile Bazaar/SysInfo under CLANG in Windows 10 to try to reproduce this error?
Thank you!

Subject: Re: Get volume name of shares ...
Posted by mirek on Wed, 10 Feb 2021 20:01:29 GMT
View Forum Message <> Reply to Message

dschoni wrote on Wed, 10 February 2021 18:08Thank you, mirek

Quote:Check CtrlLib/FileSel.cpp:507. StdFileSystemInfo is in Core...

I see, StdFileSystemInfo is in Core/Path.cpp, but the volume name is just private.

Nope, you do Find with empty path and then you get it in FileInfo::root_desc.

Mirek

Subject: Re: Get volume name of shares ...
Posted by koldo on Thu, 11 Feb 2021 07:39:27 GMT
View Forum Message <> Reply to Message

dschoni wrote on Wed, 10 February 2021 16:44Dear koldo
Quote:
SysInfo is maintained and tested daily. Please tell me in what environment you have that error and I will solve it.

I've just opened "bazaar/SysInfo_demo_gui", then compiled it (Execute button) on the freshly installed Upp TheIDE Version 15260 (CLANGx64 Debug).

My System:
Edition Windows 10 Pro
Version 20H2
Build 19042.746
Feature Experience Pack 120.2212.551.0

It throws me over 20 errors, one of it is the one with "mt19937".

Best Regards, Daniel

Dear dschoni

Reading the error list I find that:
- Although SysInfo calls Bazaar/Functions4U, it seems that your compiler cannot find Functions4U.h
- The line numbers of the errors in SysInfo.h don't match with the lines in the actual code

In summary, it may be that you are using and old version of SysInfo, and you do not have Functions4U in your sources. Please tell me from where you have installed Bazaar (SVN, UppHub, nightly builds).

Thank you for your report.

Subject: Re: Get volume name of shares ...
Posted by dschoni on Sun, 14 Feb 2021 12:52:39 GMT
View Forum Message <> Reply to Message

Dear koldo

Quote:In summary, it may be that you are using and old version of SysInfo, and you do not have Functions4U in your sources. Please tell me from where you have installed Bazaar (SVN, UppHub, nightly builds).

I've installed the stable release, posted on the website
https://www.ultimatepp.org/www$uppweb$download$en-us.html
This leads to SOURCEFORGE https://sourceforge.net/projects/upp/files/ where I installed the latest release https://sourceforge.net/projects/upp/files/latest/download

So I used the Bazaar examples, like these were installed with Upp.

Best Regards, Daniel

Subject: Re: Get volume name of shares ...
Posted by dschoni on Sun, 14 Feb 2021 13:21:27 GMT
View Forum Message <> Reply to Message

Dear Mirek

Quote:Nope, you do Find with empty path and then you get it in FileInfo::root_desc.

This works on a fixed disk drive, but not on a network share.
I've tried:

```
void FolderTree::AddSystemPlaces(int id)
{
 Array<FileSystemInfo::FileInfo> root;
 FileSystemInfo fs;
#ifdef PLATFORM_WIN32
 root = fs.Find("",1000,false);
 for(int i = 0; i < root.GetCount(); i++) {
  String desc = root[i].root_desc;
  String n = root[i].filename;
  if(n != "A:\\" && n != "B:\\") {
  #ifdef PLATFORM_WIN32
   if(*n.Last() == '\\')
    n.Trim(n.GetCount() - 1);
  #endif
      String type;
      int maxName;
   if(desc.GetCount() == 0) {
    GetDriveInformation(n, type, desc, maxName, type);
    if (desc == "") desc << " " << t_("Local Disk");
   }
   desc << " (" << n << ")";
   AddPlace(id, GetDriveImage(root[i].root_style), root[i].filename, desc);
  }
 }

 if(GetSystemMetrics(SM_REMOTESESSION))
  for(int drive = 'A'; drive < 'Z'; drive++) {
   String path = Format("\\\\tsclient\\%c", drive);
   if(FindFile(path + "\\*.*"))
    AddPlace(id, path, Format(t_("%c on client"), drive));
  }
#endif

#ifdef PLATFORM_POSIX
 root = fs.Find("/media/*",1000,false);
 for(int i = 0; i < root.GetCount(); i++) {
  String fn = root[i].filename;
  if(*fn != '.' && fn.Find("floppy") < 0)
   AddPlace(id, "/media/" + fn, fn);
 }
 AddPlace(id, "/", t_("Computer"));
#endif
}

After
  String desc = root[i].root_desc;
  String n = root[i].filename;
```

"desc" contains the value "Document" at my fixed disk drive "D:" which is the volume name.
"n" contains "D:\\".

If I go further to "M:", which is a network share and the volume name is "Media", i've got:
"desc" contains "".
"n" contains "M:\\".

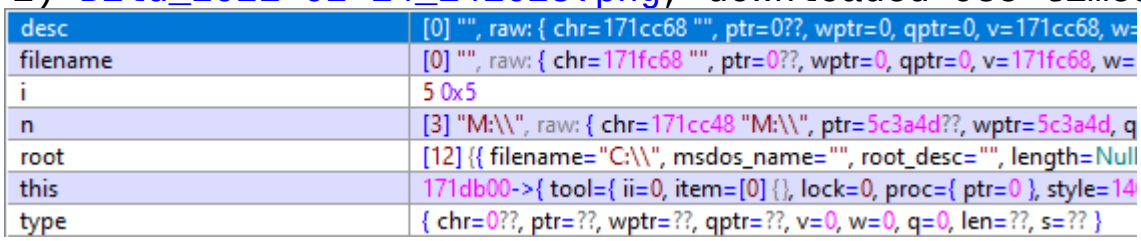
This is why I've copied "GetDriveInformation" from the SysInfo-package to my code and used
Quote:
GetDriveInformation(n, type, desc, maxName, type); if "desc" is empty.

After "GetDriveInformation" "desc" contains "Media".

Best Regards, Daniel

File Attachments

1) Bild_2021-02-14_141628.png, downloaded 985 times



desc	[0] "", raw: { chr=171cc68 "", ptr=0??, wptr=0, qptr=0, v=171cc68, w=
filename	[0] "", raw: { chr=171fc68 "", ptr=0??, wptr=0, qptr=0, v=171fc68, w=
i	5 0x5
n	[3] "M:\\", raw: { chr=171cc48 "M:\\", ptr=5c3a4d??, wptr=5c3a4d, q
root	[12] {{ filename="C:\\", msdos_name="", root_desc="", length=Null
this	171db00->{ tool={ ii=0, item=[0] {}, lock=0, proc={ ptr=0 }, style=14
type	{ chr=0??, ptr=??, wptr=??, qptr=??, v=0, w=0, q=0, len=??, s=?? }

Subject: Re: Get volume name of shares ...
Posted by koldo on Mon, 15 Feb 2021 07:18:36 GMT
View Forum Message <> Reply to Message

Dear Daniel

As far as I can see, updated Bazaar can only be obtained from svn. Please try to download the packages from there, as UppHub is still in preparation.
Mixing updated U++ with old Bazaar packages may produce errors.

Subject: Re: Get volume name of shares ...
Posted by mirek on Mon, 15 Feb 2021 10:21:51 GMT
View Forum Message <> Reply to Message

For what is worth:

- I have checked UppHub SysInfo and it works without problems (so it should work in nightly build)

- I have also fixed FileSystemInfo::Find to return correct network volume names.