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How to download Windows Research Kernel from Microsoft

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Marcello
Donator
                                                                          66

Re: How to download Windows Research Kernel from Microsoft

📄 Fri Nov 13, 2009 2:32 am

Cool, once I get some time on my hands I'll have to install 2003 and give this a try

⬆

louisw3
                                                                          66

Re: How to download Windows Research Kernel from Microsoft

📄 Fri Nov 13, 2009 2:50 am

> 66 **MonsterMagnet wrote:**
> And for those who want to run a stable kernel next to your custom one, this trick may come in handy.
> Note: Allof this is shamelessly ripped from the MS WRK forum.
>
> Install Server 2003 somewhere (VM, physical pc, doesn't matter).
> Copy your kernel (wrkx86.exe) to system32 with it's name intact.
> Now look up the hal.dll your S2003 install uses. Right-mouse click, properties, version.

Now look for the section 'internal file name'
You'll have to copy a hal from the wrk, depending on this original filename.
Here's something nice to know which one you need:
(Format: internal file name->WRK hal in C:\WRK-v1.2\WS03SP1HALS\)
halacpi.dll->halacpim.dll
halaacpi.dll->halmacpi.dll
halapic.dll->halmps.dll

Copy the correct hal to system32 as well.

Now add this line to your boot.ini:

CODE: SELECT ALL

```
multi(0)disk(0)rdisk(0)partition(1)\WINDOWS="WRK" /kernel=wrkx86.exe /hal=<name of your hal
```

(Note: if you wanna debug your kernel you'll also have to add those debug switches to this line)

Now you can switch between a normal kernel and your customised üb3r-1337 kernel

Awesome dude, works like a CHAMP!!!

"Those who don't understand UNIX are condemned to reinvent it, poorly." – Henry Spencer

⊙

MonsterMagnet

66

Re: How to download Windows Research Kernel from Microsoft

Fri Nov 13, 2009 6:15 pm

> 66 **louisw3 wrote:**
>
> > 66 **MonsterMagnet wrote:**
> > And for those who want to run a stable kernel next to your custom one, this trick may come in handy.
> > Note: Allof this is shamelessly ripped from the MS WRK forum.
> >
> > Install Server 2003 somewhere (VM, physical pc, doesn't matter).
> > Copy your kernel (wrkx86.exe) to system32 with it's name intact.
> > Now look up the hal.dll your S2003 install uses. Right-mouse click, properties, version.
> > Now look for the section 'internal file name'
> > You'll have to copy a hal from the wrk, depending on this original filename.
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> > (Format: internal file name->WRK hal in C:\WRK-v1.2\WS03SP1HALS\)
> > halacpi.dll->halacpim.dll
> > halaacpi.dll->halmacpi.dll
> > halapic.dll->halmps.dll
> >
> > Copy the correct hal to system32 as well.
> >
> > Now add this line to your boot.ini:
> >
> > **CODE: SELECT ALL**
> >
> > ```
> > multi(0)disk(0)rdisk(0)partition(1)\WINDOWS="WRK" /kernel=wrkx86.exe /hal=<name of your
> > ```
> >
> > (Note: if you wanna debug your kernel you'll also have to add those debug switches to this line)

Now you can switch between a normal kernel and your customised üb3r-1337 kernel

Awesome dude, works like a CHAMP!!!

Thanks, you're welcome!

Another benefit is that it prevents Windows File Protection from replacing your kernel with the default one.. As it does not have any data on wrkx86.exe nor halacpim.dll (or whatever one you use)

EDIT: Anyone thought of replacing the kernel on a PE install? Minimalistic environment, perfect for testing and starting your own recovery disk project or something (you can think much larger of course)
EDIT2: I just did it, it works perfectly.

Co-Worker #1: "A boolean variable has two possible values: true or false."
Co-Worker #2: "Umm...true?"

🗘

---

retroOS

❝

Re: How to download Windows Research Kernel from Microsoft
📄 Sun Nov 22, 2009 7:11 pm

---

im a new user and have been reading through this topic with interest.
Im not at university anymore and so cannot access the microsoft website for academia.

Having tried both the sharing and ftp address, neither of them appear to work any more.
any chance of re-uploading the kernel so that it is accessable?

---

vi is the only development environment you need

🗘

Pwned
Donator

❝

Re: How to download Windows Research Kernel from Microsoft
📄 Sun Nov 22, 2009 8:28 pm

> **❝ martin_lovick wrote:**
> im a new user and have been reading through this topic with interest.
> Im not at university anymore and so cannot access the microsoft website for academia.
>
> Having tried both the sharing and ftp address, neither of them appear to work any more.
> any chance of re-uploading the kernel so that it is accessable?

Sorry, I was fixing my FTP. I moved it to the new platform. Now it works greater than ever!

Longhorn Packet 1.21 - Solves most of the problems with Longhorn Setup
[GUIDE] How to dump clean/untouched images from CD discs
Longhorn Music Album (FLAC) | 523.31 MB | 17 tracks | Donators Discussion Forum

🗘

Kenneth

Donator

Re: How to download Windows Research Kernel from Microsoft

Sun Nov 22, 2009 8:43 pm

CODE: SELECT ALL

```
Command:        RETR WindowsResearchKernel-WRK.zip
Response:       550 User does not have download permission
```

...

Pwned
Donator

Re: How to download Windows Research Kernel from Microsoft

Sun Nov 22, 2009 9:03 pm

> **Windows OCManage wrote:**
>
> **CODE: SELECT ALL**
>
> ```
> Command:        RETR WindowsResearchKernel-WRK.zip
> Response:       550 User does not have download permission
> ```
>
> ...

I didn't set the mark. Sorry. Try again.
And I kicked you from that session.

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retroOS

Re: How to download Windows Research Kernel from Microsoft

Sun Nov 22, 2009 9:10 pm

unfortunately it returns

Connection refused

any ideas?

im ftping from ubuntu

vi is the only development environment you need

Pwned

Donator

Re: How to download Windows Research Kernel from Microsoft

Sun Nov 22, 2009 9:13 pm

> **66 martin_lovick wrote:**
> unfortunately it returns
>
> Connection refused
>
> any ideas?
>
> im ftping from ubuntu

Are you using this link:

ftp://researchkernel:student@windoze.ftpaccess.cc/ ???????????

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retroOS

Re: How to download Windows Research Kernel from Microsoft

Sun Nov 22, 2009 9:29 pm

thanks for that, I was using the old ip address 82...

looks interesting stuff

Luckie

Donator

Re: How to download Windows Research Kernel from Microsoft

Mon Nov 23, 2009 11:03 pm

I can't connect to ftp. Can anyone make a new RS link?

"Theory is when you know something, but it doesn't work. Practice is when something works, but you don't know why. Programmers combine theory and practice: Nothing works and they don't know why."

Pwned
Donator

66

Re: How to download Windows Research Kernel from Microsoft

Tue Nov 24, 2009 6:45 am

> 66 **Luckie wrote:**
> I can't connect to ftp. Can anyone make a new RS link?

O_o
Try with Firefox or Filezilla.

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MonsterMagnet

66

Re: How to download Windows Research Kernel from Microsoft

Tue Nov 24, 2009 11:42 am

Or try this link: http://www.sendspace.com/file/yxn2rg

Co-Worker #1: "A boolean variable has two possible values: true or false."
Co-Worker #2: "Umm...true?"

Luckie
Donator

66

Re: How to download Windows Research Kernel from Microsoft

Tue Nov 24, 2009 4:03 pm

thank you *MonsterMagnet*

"Theory is when you know something, but it doesn't work. Practice is when something works, but you don't know why. Programmers combine theory and practice: Nothing works and they don't know why."

Tilka

Re: How to download Windows Research Kernel from Microsoft

Wed Apr 07, 2010 6:09 pm

Bumping for working link:
http://jacekowski.org/WindowsResearchKernel-WRK.zip

This signature intentionally left blank

EPPM

Re: How to download Windows Research Kernel from Microsoft

Thu Apr 08, 2010 3:42 am

> **Pwned wrote:**
>> **martin_lovick wrote:**
>> unfortunately it returns
>>
>> Connection refused
>>
>> any ideas?
>>
>> im ftping from ubuntu
>
> Are you using this link:
>
> ftp://researchkernel:student@windoze.ftpaccess.cc/ ???????????

It's not working (At least for me ...), It says that FTP server must be very busy ...

ES ◉ 🖳 🔊 03:18 p.m.

I am so smart! I am so smart! S-M-R-T -I mean- S-M-A-R-T

Pwned
Donator

Re: How to download Windows Research Kernel from Microsoft

Thu Apr 08, 2010 2:39 pm

> **❝ EPPM wrote:**
>
> > **❝ Pwned wrote:**
> >
> > > **❝ martin_lovick wrote:**
> > > unfortunately it returns
> > >
> > > Connection refused
> > >
> > > any ideas?
> > >
> > > im ftping from ubuntu
> >
> > Are you using this link:
> >
> > ftp://researchkernel:student@windoze.ftpaccess.cc/ ???????????
>
> It's not working (At least for me ...), It says that FTP server must be very busy ...

Sorry, I shut down my server long ago. Use this link instead:
http://jacekowski.org/WindowsResearchKernel-WRK.zip

Longhorn Packet 1.21 - Solves most of the problems with Longhorn Setup
[GUIDE] How to dump clean/untouched images from CD discs
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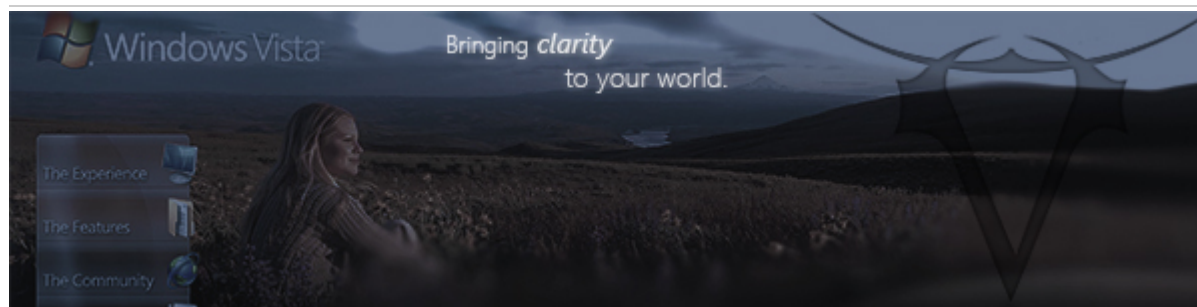
⊙

LonghornGT

❝

Re: How to download Windows Research Kernel from Microsoft

Sun Apr 18, 2010 4:02 pm

Now try to build THAT on linux using gcc

⊙

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