

## wconsd - Feature #26

### list available com ports

2008-04-21 00:00 - Hamish

<b>Status:</b>	New	<b>Start date:</b>	2008-04-20
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	0.3		
<b>Description</b>			
it should be possible to request a list of available serial ports, including some current status for each one			

#### History

##### #1 - 2008-04-21 00:04 - Hamish

- Target version set to 0.3

##### #2 - 2008-04-21 19:52 - Hamish

Look at <http://msdn2.microsoft.com/en-us/library/ms535797.aspx>

also, this example code: [http://www.lookrs232.com/com\\_port\\_programming/api\\_enumports.htm](http://www.lookrs232.com/com_port_programming/api_enumports.htm)

##### #3 - 2008-04-23 16:53 - Hamish

I have done some research and this appears to be more difficult than it should be.

- PORT\_INFO\_2 doesn't provide much information ([http://msdn2.microsoft.com/en-us/library/ms535509\(VS.85\).aspx](http://msdn2.microsoft.com/en-us/library/ms535509(VS.85).aspx))  
nrports=12 Port Monitor  
Desc Type Reserved Microsoft Document Imaging Writer Port: Local Monitor Local Port 1 0 COM1: Local Monitor Local Port 1 0 COM2: Local Monitor Local Port 1 0 COM3: Local Monitor Local Port 1 0 COM4: Local Monitor Local Port 1 0 FILE: Local Monitor Local Port 1 0 LPT1: Local Monitor Local Port 1 0 LPT2: Local Monitor Local Port 1 0 LPT3: Local Monitor Local Port 1 0 COM5: Local Monitor Local Port 1 0 COM6: Local Monitor Local Port 1 0 IcePortER: Ice Monitor E Black Ice Port 1 0
- SetupDiEnumDeviceInterfaces ([http://forum.sysinternals.com/forum\\_posts.asp?TID=4544](http://forum.sysinternals.com/forum_posts.asp?TID=4544) and <http://msdn2.microsoft.com/en-us/library/ms793116.aspx>) doesn't find enough interfaces:  
DevicePath=\\.\acpi#pnp0501!#1#{4d36e978-e325-11ce-bfc1-08002be10318}  
DevicePath=\\.\acpi#pnp0501!#2#{4d36e978-e325-11ce-bfc1-08002be10318}
- There is an entire library for doing this (<http://www.naughtier.com/enumser.html>) that checks seven different methods for com ports, but its licence may be incompatible with GPL