免費電子書

學習

WinDbg

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#windbg

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1: WinDbg

windbg。

windbg。 windbg。

WinDbgWinDbg。 。

6.126.1。 <100> 6000。

WindowsWinDbgWindowsWinDbg10Windows 7。 API。 WinDbg。

6.12.0002.633	Windows 7.NET Framework 4	2010-05-21
6.1.7600.16385		2009-07-24
6.2.8400.0	Windows 8	2012-06-23
6.2.9200.16384	Windows 8.NET Framework 4.5	20121115
6.3.9600.16384	Windows 8.1	○
10.0.10075.9	Windows 10	2015429
10.0.10586.567	Windows 101511	○
10.0.14321.1024	Windows 101607	2016729

Examples

Microsoft WinDbg3

- WDKWindows
- SDK
- SDK“Windows”

WDKWinDbg“”。

Codemachine。

。 。

WinDbg“Windows”。

WinDbg	

CDB	**c** onsole **d** e **b** ugger
NTSD	**ÑEW** ymbolic **d** ebugger
KD	**k** ernel **d** ebugger
NTKD	**ÑEW ķernel d** ebugger

GUI。

WinDbg https://riptutorial.com/zh-TW/windbg/topic/1833/windbg

2: DML

Examples

/

.prefer_dml 1dmlformat

.prefer_dml 0dmlformat

DML https://riptutorial.com/zh-TW/windbg/topic/7987/dml--

3:

Examples

- process -
- .process -
- peb -
- teb -
- locks -
- .dump -

https://riptutorial.com/zh-TW/windbg/topic/6076/

4:

Examples

```
.exr -1
```

```
!analyze -v
```

.NETSOS`!pe`.NET

https://riptutorial.com/zh-TW/windbg/topic/5389/

5:

Examples

SOS

SOSMicrosoft for .NETWinDbg。.NET。

`.load x:\full\path\to\sos.dll` 。.NET`mscorwks.dll` .NET CLR 2 `clr.dll` .NET CLR 4`coreclr.dll` SilverlightUniversal `coreclr.dll`

```
.loadby sos clr
.loadby sos coreclr
.loadby sos mscorwks
```

`!help` 。

SOSex

SOSexSOS。SOSex 。

DLL.`load x:\full\path\to\sosex.dll.load x:\full\path\to\sosex.dll` 。

.NET`!dlk`。

SOSex`!help` 。

PyKD

PyKDWinDbgPython。 。

DLL.`load x:\full\path\to\pykd.pyd` PYDpython DLLDLL。

PyKd

PyKD`!help` Codeplex。 。 。

WinDbg。Python。

`!py`REPL`!py x:\path\to\script.py`python。

```
from pykd import *
```

PyKDREPL。`exit()`。

NetExt

NetExt.NET

- LINQ `!wselect !wfrom`
- `!wdict !whash`
- ASP.NET / HTTP `!wcookie !wruntime !whttp`
-

DLL.load x\ full \ path \ to \ netext.dll

WinDbgWinDbg

SOS	.NET
SOSex	.NETSOS
CoSOS	.NETSOS
NetExt	.NET
PyKD	Python
PDE	Windows
PSSCOR	。
SDbgExt	。
MEX	。

CoSOS

CoSOS SOSWinDbg.NET `!gcview !wfo !tn` 。

DLL`.load x:\full\path\to\cosos.dll` 。 SOS32。

https://riptutorial.com/zh-TW/windbg/topic/5391/

6: /

Examples

WinDbg。 Stack Overflow。

.logopen
.logclose
.dump

。 WinDbg。 WinDbg 。

.symfix	Microsoft
.sympath	
.reload	
.symopt	
!sym	
x	
ln	

。

.exr
.lastevent
sx
!analyze
!avrf

。

|
lm

。

~
r
k
d *
e *
s
.formats
?
u *
a
!address

。

g	/
gu	
p	
t	
bp	
bl	

。

.load
.loadby
.chain
.unload

q
qd

.tlist
.attach
.create
.childddbg
.detach
.kill
.restart

WinDbg

.prefer_dml
.effmach

.cmdtree

.hh	WinDbg

Windbg

.cmdtree.txt◦

```
windbg ANSI Command Tree 1.0
title {"Window title"}
body
{"Group Heading"}
 {"Name of command to display"} {"command"}
 {"Name of command to display"} {"command"}
{"Group Heading"}
 {"Name of command to display"} {"command"}
```

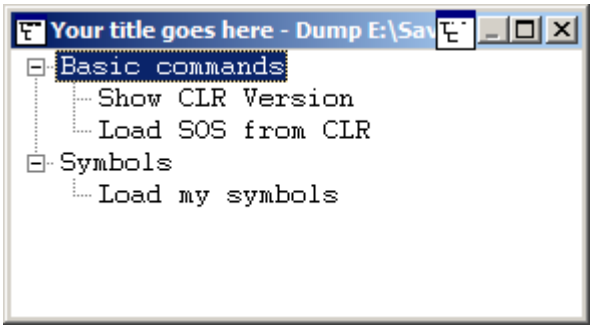
1. Windbg◦
2. {Group Heading}◦
3. {Name of command to display} {command}◦

```
windbg ANSI Command Tree 1.0
title {"Your title goes here"}
body
{"Basic commands"}
 {"Show CLR Version"} {"lmv m clr"}
```

```
 {"Load SOS from CLR"} {".loadby sos clr "}
{"Symbols"}
 {"Load my symbols"} {".sympath+ "c:\DebugSymbols" ; .reload"}
```

UI

```
.cmdtree <path of your .txt file>◦
```



◦

/ https://riptutorial.com/zh-TW/windbg/topic/5384/-

7:

Examples

- .server -
- .clients -
- .endsrv -
- .servers -
- .remote - remote.exe
- .noshell - shell

https://riptutorial.com/zh-TW/windbg/topic/5977/

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