Debugging.TV

Frame 0x16

Presenter: Dmitry Vostokov

MEMORY DUMP ANALYSIS SERVICES
DumpAnalysis.com
Including Crash and Hang Analysis Audit, Training and Seminars

Sponsors

OPENTASK
Iterative and Incremental Publishing

Topics

- Window 8 Memory Dumps
- New WinDbg
- New Patterns
- New Commands

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WinDbg and W8 Dumps

	6.12.0002.633	6.2.9200.16384
Process user memory dumps	+	+
Complete memory dumps	-	+

WinDbg.org

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Complete Memory Dumps

Stack Trace Collection

```
!process 0 1f
!process 0 16 (with 4 arguments per frame)
```

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New Patterns

Frozen Process

```
0: kd> !process 0 0

[...]

PROCESS fffffa8002cb2940
    SessionId: 2  Cid: 0c80    Peb: 7f6c41dd000  ParentCid: 0288
DeepFreeze
    DirBase: 2ef45000  ObjectTable: fffff8a002f215c0  HandleCount: <Data Not Accessible>
    Image: iexplore.exe

PROCESS fffffa8003816940
    SessionId: 2  Cid: 0d04    Peb: 7f6c3aca000  ParentCid: 0c80
DeepFreeze
    DirBase: 34024000  ObjectTable: fffff8a001749a00  HandleCount: <Data Not Accessible>
    Image: iexplore.exe


PROCESS fffffa8001e0f740
    SessionId: 2  Cid: 0d7c    Peb: 7f65412f000  ParentCid: 0c78
    DirBase: 0e165000  ObjectTable: fffff8a00055ff00  HandleCount: <Data Not Accessible>
    Image: notepad.exe

[...]
```

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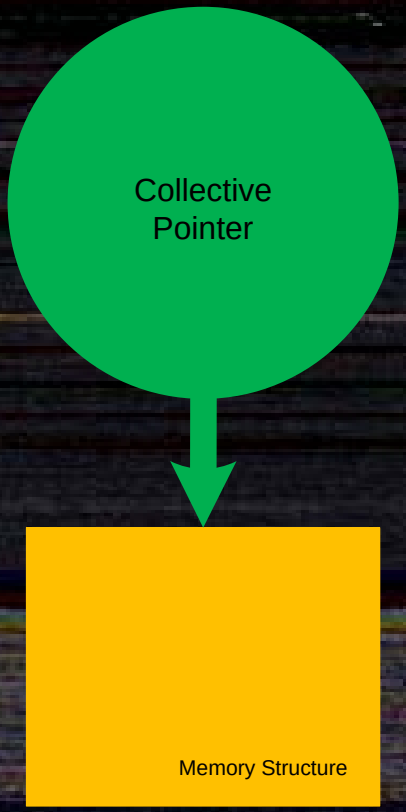
New Commands

Collective Pointer
structural pattern




```
!for_each_register -c dps @#RegisterValue l1
```

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!Ad Hardcore Software Support Training

Nov 30 – Dec 3, 2012	Accelerated Windows Software Trace Analysis
November 16-26, 2012	Accelerated Windows Memory Dump Analysis
December 7-10, 2012	Accelerated Windows Malware Analysis
December 17, 2012	Philosophy of Software Diagnostics (FREE)
December 17, 2012	Pattern-Based Software Diagnostics (FREE)
Early 2013	The New Old Debugging

Debugging^3 Coming soon

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http://www.youtube.com/DebuggingTV