

Advantages

- Primary tracing mechanism in Windows
- All Windows components support ETW
- 10k events per second < 5% CPU
- Semantic Logging (strongly-typed logging)

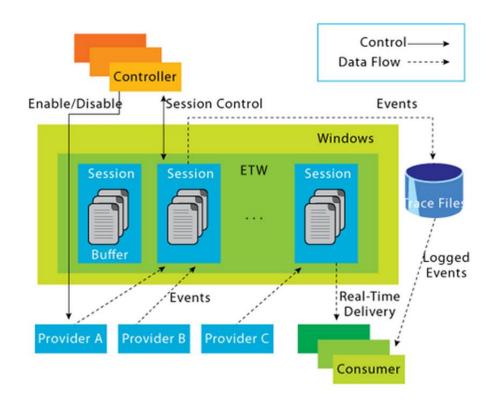


ETW in the wild

- MS SQL server
- Visual Studio
- PerfView (<u>Download Center</u>)
- Logging Application Block (Enterprise library) / Nlog
- IIS
- IE11
- SysInternals tools (<u>Sysinternals Suite</u>)
- Windows Performance Toolkit (ADK, WDK, SDK)
- Microsoft Message Analyzer

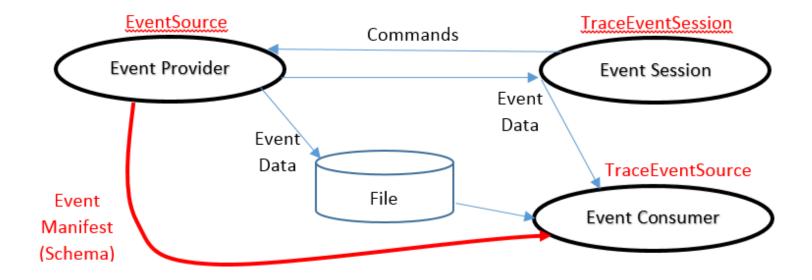


Architecture





ETW and .Net





ETW Providers

- 976 Windows providers (logman query providers)
- 98 Chrome providers (logman query providers -pid 1000)
- <u>.Net Common Language Runtime</u> (GC, Thread Pool, Interop, JIT, Loader and etc)
- node-etw and Windows ETW and Perf Counters to Node.js
- Microsoft-Windows-HttpService (Http.sys)
- Microsoft-Windows-IIS-W3SVC



Samples

- WPT
- PerfView
- Custom diagnostic tool



Summary

- High performance
- Full support in .Net
- Windows 8+/ Windows Phone / Windows RT
- Good tool support
- Requires admin rights

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