

**High Performance Big Data Analytics
powered by
Unique Web Acceleration and NoSQL**



Big Data requires new thinking

The challenges and opportunities of Big Data

- **Big Data requires new thinking** - it's not simply an extension of traditional DW/BI.
- **Big Data requires new skill sets** - math and data scientists as well as business skills - that can construct Revenue Models around data.
- **Big Data presents monetization opportunities** that are specific to many industries and not necessarily cross industry.
- **Big Data requires new tools** - Web Acceleration, Hadoop, MPP, NoSQL – to manage massive amounts of data in a cost-effective way



What is EON in 3 sentences

What does EON Platform actually do?

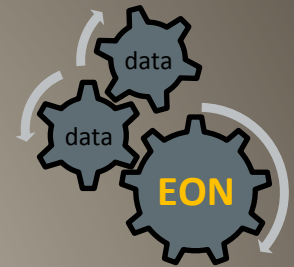
- **EngineOn** is **Big-Data Analytics as a Service**
It provides fast, efficient way of analyzing large volumes of Data at Low Cost
- Powered by unique Multi-Core Acceleration, EON offers a full suite of enterprise-grade data tools: faster NoSQL, more efficient MapReduce & extensible BI Analytics
- EON pioneers the Extreme Big Data started by companies like Splunk but takes this approach beyond simple logging data



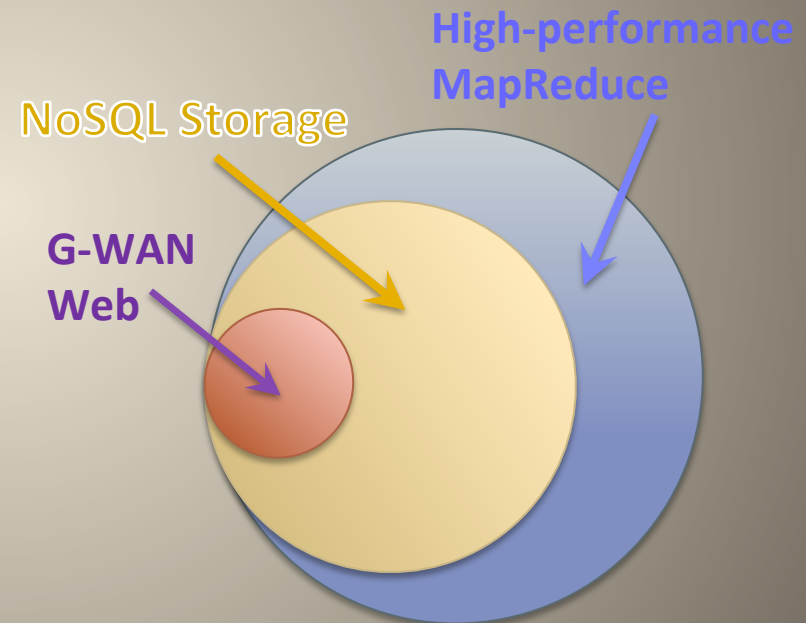
www.engineon.com

EON Technology and Tools

Extreme Web Acceleration + NoSQL + Time-to-Insight Analytics



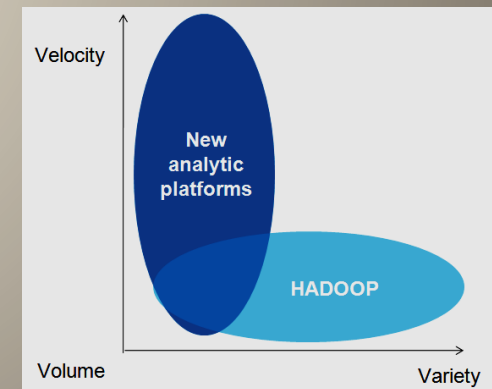
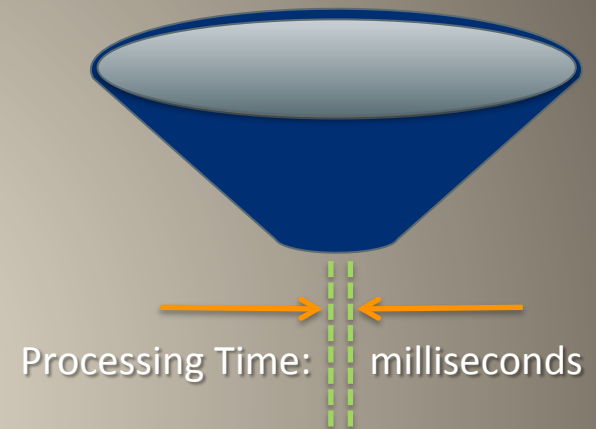
- EON Platform uses a new type of infrastructure that allows harvesting Big Data in a more efficient way
- EON provides unique
 - Web Acceleration,
 - NoSQL Storage and
 - More efficient MapReduce
- For enterprise customers, EON delivers extreme Web Acceleration by taking advantage of the unique feature-set and vertical scalability of **ORACLE NoSQL**



Data Big Data vs. Fast Data Processing

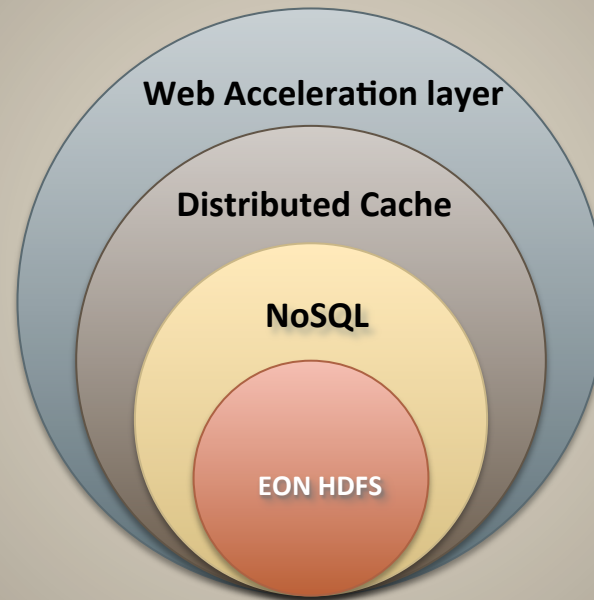
Scale and Performance for High-Volume, Low-latency Data

- EON Technology allows for times faster Data Capture and Data Processing/Transformation
- Analyze exponentially increasing volume of data in milliseconds (very high-rates > 1GB/sec)
- Predictable sub-ms response time for standard SQL queries (using extracted SQL meta-data)
- Arrive at better insights by running more Training Models /per sec on your data



EON Platform Time-to-Insight

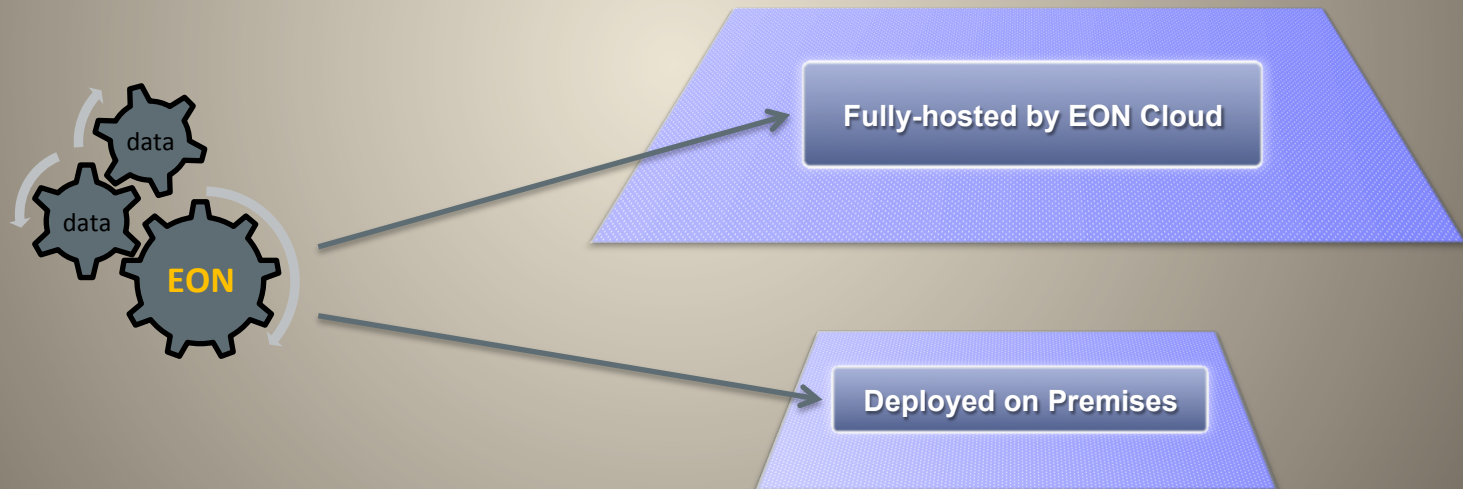
EON is a fully-hosted, fully-managed Big Data Cloud



Data Location Solution

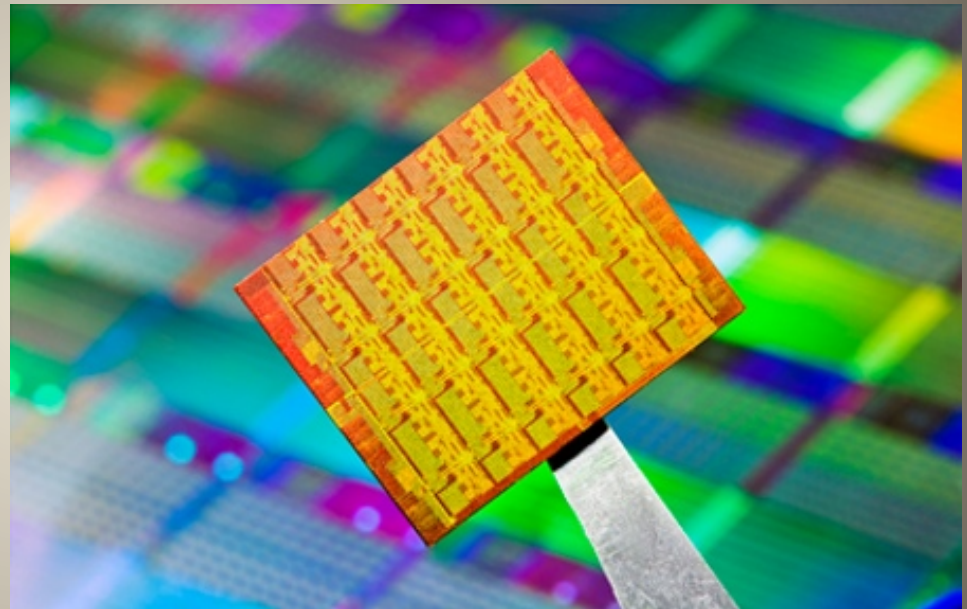
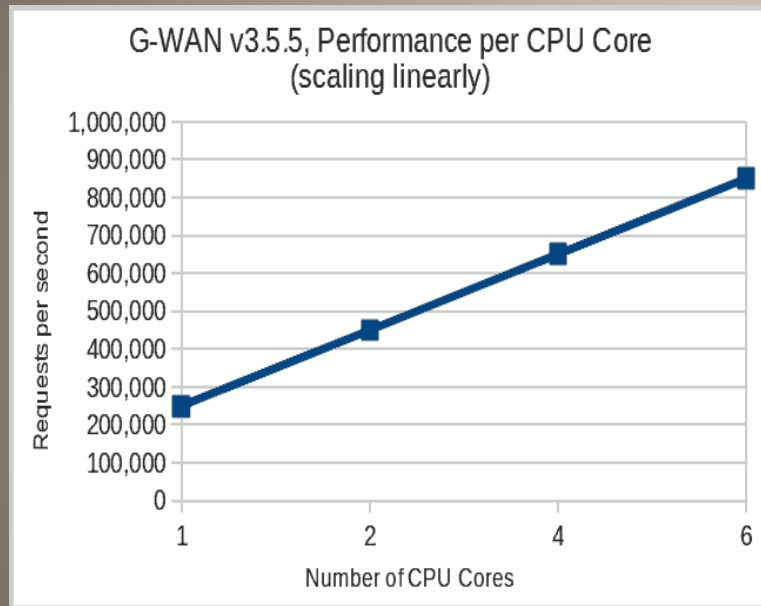
EON Customers given a choice of Data Location

- Data can be fully-hosted on EON Cloud /or
- Deployed On-Premises but fully-managed by EON by G-WAN **Remote-Anything** software



G-WAN Revolutionary Multi-Core Speed

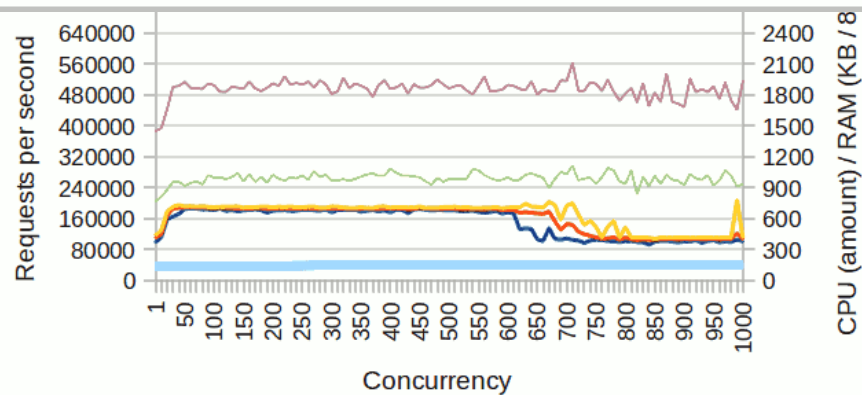
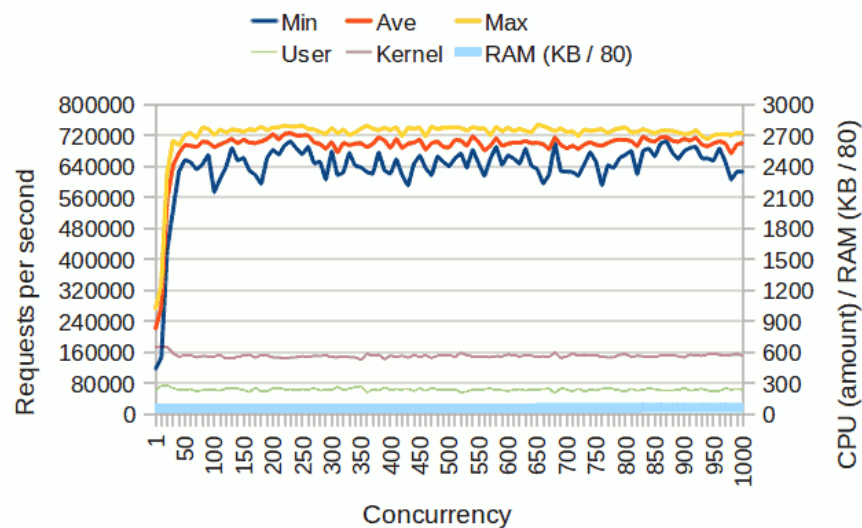
Extreme Multi-Core Acceleration technology – linear acceleration:



EON Unmatched CPU/Memory efficiency

Solving the Cloud *Memory-bound* and *CPU-bound* Problems :

G-WAN/2.10.8 100-byte static file -k abc/wg-6-threads



- 1 CPU and Memory utilization: G-WAN consumes 6-8 times less CPU cycles than its closest competitors.
- 2 On the latest Intel multi-core CPUs, it needs 10-12 times less memory.
- 3 The *only* server software to effectively parallelize itself on multi-core CPUs.

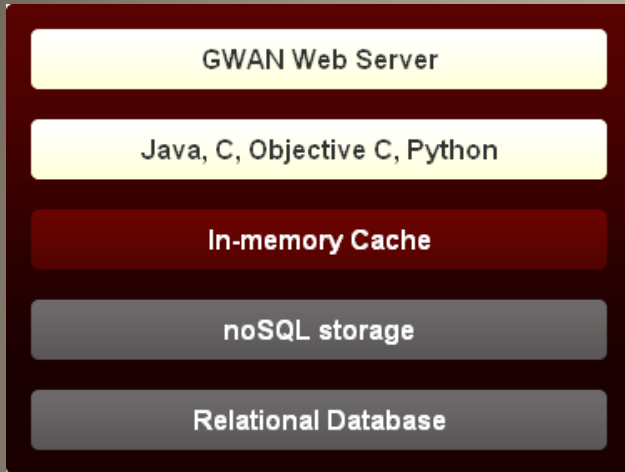
How much Hardware Do You Need

When Speed Matters – there's NO NEED for Pointless Complexity

- **Yahoo search engine stack:**
a single latest Xeon machine processes 100 req/sec
- **InnoDB (MySQL):**
a single node can handle 43,000 req/sec at peak
- **How much can a single instance of G-WAN Data Stack handle?**
144,000-500,000 req/sec on a typical 6-core Xeon CPU (network)
- **Think about it this way:** **1 Server or 2000+ Servers?**

We have a Faster **Web Stack**

12 - 40x Times Faster, to be exact ...



- **World's Fastest Web Server** – uniquely scalable on multi-core CPUs
- **Fully Extendible Web Stack** - just-in-time compilation - able to run any language
- **Cache Layer** – **80-100x** faster than Memcached
- **NoSQL Storage** fully integrated inside:

NoSQL Acceleration example

Single request times for a sample Financial application are shown below:

- | | |
|--------------------------------|---------------|
| • G-WAN (inside EON platform): | 0.5 ms |
| • Apache + PHP: | 12.6 ms |
| • Glassfish + Java: | 42.3 ms |
| • IIS + ASP.net: | 171.8 ms |

GET In touch

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