G-WAN
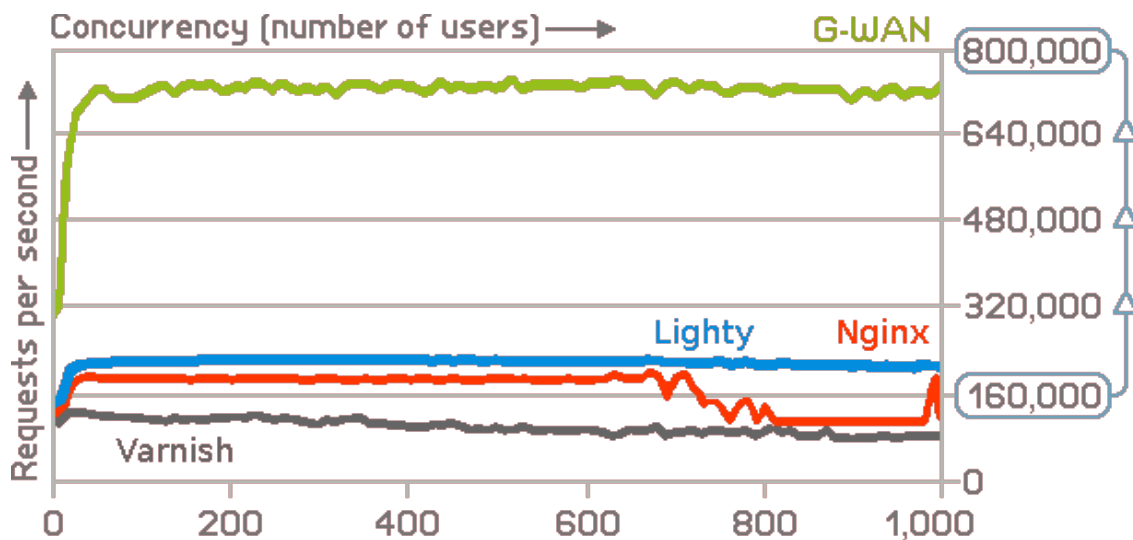
"Application Server Platforms are the most strategic of all application platforms." (Forrester, Q3 2007)

What is at the core of **SaaS, Big Data** and **Clouds**? *Application Servers*.

The Global-WAN Web Application Server (150 KB) is *faster, easier to use, more portable* (from phones to high-end servers) *and much safer* – than all other Web servers – including Web "Accelerator" servers:
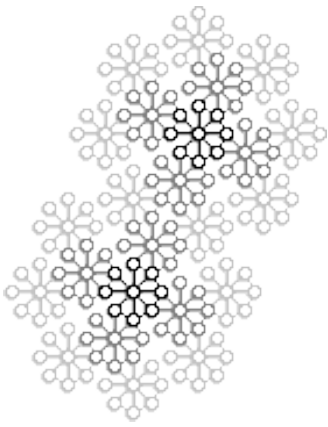

The multi-Core Revolution

After decades of easy growth, the software industry is facing a new challenge:

"We are not going to have faster processors. Instead, making software run faster in the future will mean using parallel-programming techniques. This will be a huge shift." (The Economist, June 4th 2011)

Instead of being *faster*, computers have now more *capacity*: they can make several things in parallel. And this is the whole problem because nobody knows how to do that without completely rewriting every program in existence.

Academia suggests that new languages ("Scala", or "Erlang") should be adopted. Industry leaders (Intel, Google) prefer to add new features to ewll-established languages like C and C++.
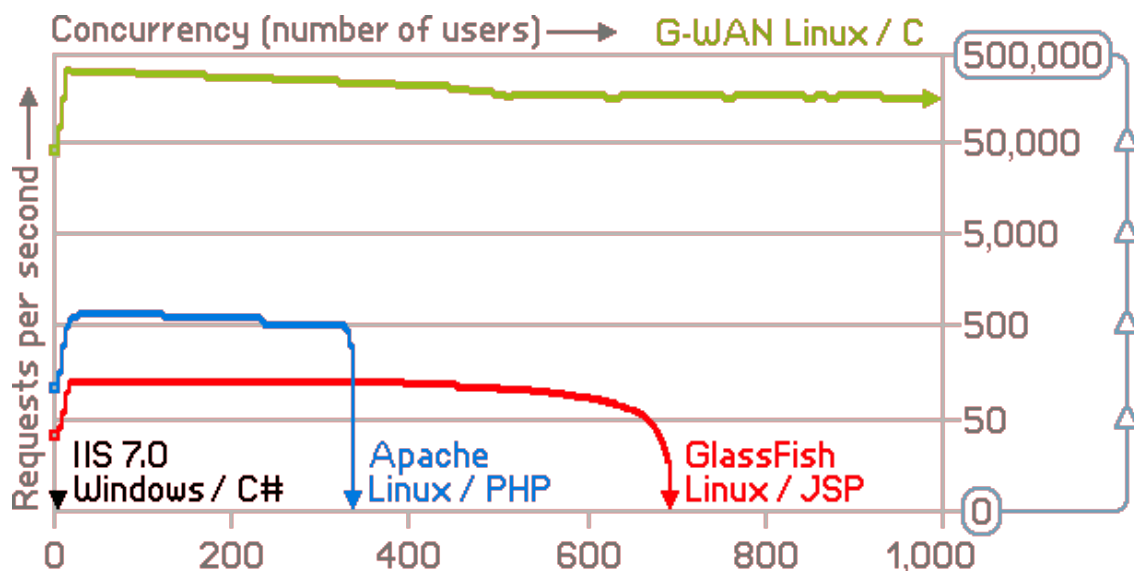
G-WAN

*"Application Server Platforms are the most strategic
of all application platforms."* (Forrester, Q3 2007)

Both approaches require to learn new techniques and to rewrite all programs
made in the past.

**In contrast, G-WAN C, C++, C#, D, Java and Objective-C scripts make
existing programs run transparently at optimal speeds.**

Even better: the more Cores CPUs will embed, the largest the gap will be
between G-WAN and everything else:

Doing More with Less

Data centers are now built near the largest dams to reduce energy costs.

*"In two or three years we will saturate the electric cables running into the
building. The next challenge is how to do the same things as today, but with
10 to 100 times less power."* (Alex Szalay, John Hopkins University)

G-WAN allows to do the same job with many times less servers.

Facing *raising costs and slowing revenues*, companies must build a distinctive
advantage to fuel growth: G-WAN leave others standing because today's
application servers are based on an obsolete architecture – and it shows.

G-WAN

http://gwan.com/ build for http://global-wan.com/

"Application Server Platforms are the most strategic of all application platforms." (Forrester, Q3 2007)

What's the Technology's Value?

Revolution happen when incumbents are displaced. None of them are able to scale on multi-Core CPUs (and this will get worse on many-Core platforms).

G-WAN's value is what it will cost you if you can't use its technology.

The cost generated by not using G-WAN is higher than the one of any acquisition done in the past for a similar technology:

AOL paid **$4.2 billions** for Netscape. Sun paid AOL $350 millions in licensing fees to *merely distribute* a re-branded server.

IBM paid **$5.7 billions** for Apache. OpenTV paid **$2.5 billions** for Spyglass.

Red Hat acquired JBoss in 2006 for **$350 millions**.

Fifteen years later, Apache still holds 66% of the market. And this was *before:*

- SaaS, Big Data and Cloud computing/storage,
- the multi-Core revolution (and many-Core evolution),
- revenues slowing-down and raising energy costs.

All other servers will have to be re-written from scratch. And without the ability to copy G-WAN (its source code is not publicly available), they will have to scale and perform at the same time – something that G-WAN does since 2009.

The Authors

TrustLeap, the TWD Industries AG security division, protects digital assets with **cryptanalytically unbreakable** technology. The TrustLeap secure platform leverages offers of enterprise, cloud, networking, digital media and financial services in global strategic markets. TrustLeap lets partners and users form dynamic ecosystems where duly accredited strangers can safely trust each-other. Provably safe trust enables organizations to secure their infrastructure, raise the value of their offers and safely market their digital assets.