



Wait Less. Innovate More.

The Keys to Innovation and Quality: Time and Iterations

In the industries of today – and the industries of tomorrow – every company is a software company. Embedded systems, IoT, automotive and autotech companies find themselves competing more and more at the software level. They need to deliver innovation faster or risk missing the market. Long builds and non-value-add rework limit innovation and cause late releases.

ElectricAccelerator helps organizations create more time for experimentation and iteration by accelerating build times and shortening QA & security testing cycles.

How does ElectricAccelerator work?

ElectricAccelerator is a build and test acceleration platform for make-based, Android AOSP, Embedded Linux, BitBake, and Visual Studio build environments that intelligently and automatically parallelizes software tasks across clusters of physical or cloud CPUs to dramatically lower build and test cycle times.

The Business benefit?

Accelerate your development velocity by 2-3x. Save 50+% of infrastructure costs.

Fault-tolerant workload

distribution uses local, network, or cloud resources

Smart load balancing

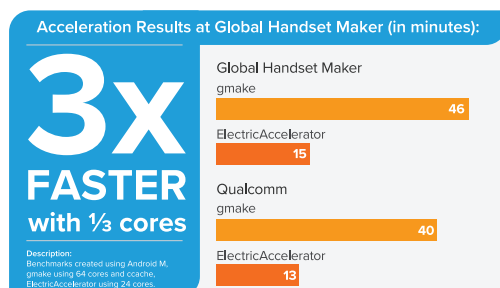
ensures optimal use of cores across the cluster

Intelligent caching

eliminates redundant work through build avoidance

Dynamic resource provisioning

provides instantaneous scale up/down.



“Build times of many of our IVI projects was reduced by 75% resulting in an overall development velocity increase of 200%. Furthermore, the wait time for engineers submitting build requests went from one hour to 10 minutes.”

— John Penoyer, Engineering Group Manager, Panasonic Automotive Solutions

ElectricAccelerator: Hours to minutes. Minutes to seconds.

Build Acceleration

- Accelerates Android AOSP and Embedded Linux builds by 20X or more
- Discovers and optimizes dependencies
- Guarantees software build correctness
- Eliminates redundant work through build avoidance



Test Acceleration

- Improves quality by running more tests more frequently as part of CI cycle
- Accelerates both unit test and static code analysis test cycles
- Shifts testing left to find bugs earlier

Resource Optimization

- Builds faster on less than half the infrastructure
- Bursts to cloud during peak times
- Eliminates surprise cloud charges from zombie build or test instances



 <p>Performance</p> <p>Proven to speed up the world's most complex builds by as much as 20X</p>	 <p>Reliability</p> <p>Patented technology guarantees correctness, even in the face of incomplete or incorrect dependencies</p>	 <p>Scalability</p> <p>Intelligently manages build clouds not only across multiple teams but across multiple data centers and clouds</p>	 <p>Cost Elimination</p> <p>Significantly reduces dedicated build hardware, greatly increase existing infrastructure utilization, and easily burst to the cloud</p>	 <p>Insight</p> <p>Visibility into single build and organization-wide utilization to pinpoint problems and identify bottlenecks</p>
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Works with your existing tools:

GNU Make, Ninja, BitBake, buildroot, NMake, Visual Studio and more

Supported Platforms:

Red Hat Enterprise Linux, Ubuntu Linux, SuSe Linux, Solaris, Yocto Project, Android Open Source Project (AOSP), Microsoft Windows Server 2016, 2012, 2008

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