

## Electric Accelerator

Software Build Acceleration,  
Analytics and Build Clouds



*“The thing that made us look into ElectricAccelerator was the need for a huge need to boost software development productivity— getting developers back to developing code and getting the QA team to quickly test the changed code.”*

*Jon Burt, Development Group Manager, SCM, Intuit*

Continuous Delivery isn't continuous if builds and tests are time consuming. ElectricAccelerator® speeds up software jobs such as building and testing by up to 20X. This not only improves time to market and reduces costs, but also improves infrastructure utilization and developer productivity.

ElectricAccelerator® is an acceleration platform that optimally parallelizes software tasks across clusters of physical or cloud CPUs. This gives software-driven organizations the ability to speed up any number of concurrent activities so they can deliver better software faster.

ElectricAccelerator offers the following unique capabilities:

- Safe and deterministic object file caching
- Optimized dependency management
- Reliable blazing incremental builds
- Fault-tolerant workload distribution
- Enterprise scalability
- Flexibility and manageability
- Rich analytics and monitoring

A Voke, Inc survey of Electric Cloud users identified that accelerating software activities could save upwards of \$2M annually through decreased wait time for builds and tests, faster time to market, and by eliminating the creation and maintenance of internally developed tools.

### Key Benefits

#### Speed

Proven to speed up the world's most complex builds by as much as 20x, enabling dramatic developer productivity gains.

#### Analytics

Identifies and addresses errors, bottlenecks and shortages through visibility into the details of builds and the build infrastructure.

#### Cloud

Centralized build infrastructure, real-time resource allocation, and fault-tolerant workload distribution.

Up to  
**20X**

faster than gmake

## Benefits across the Software Lifecycle

### Development

- Speed up compile/debug cycles by 20x
- Discover dependencies between software units
- Improve quality by running static analysis and unit testing as part of every compile/debug cycle

### Integration

- Reduce the time it takes to integrate a large code base
- Accelerate Continuous Integration (CI)
- Quickly discover the cause of a software build failure
- Improve quality by running static analysis and tests as part of CI cycle

### Testing

- Improve quality by running more tests more frequently
- “Shift Left” testing activities to find bugs earlier
- Decrease the time it takes to complete test runs

### Production

- Reduce risks of failed production builds by using same toolchain as development, testing, and integration groups
- Reduce time to market by getting software into production faster
- Guaranteed correctness of software builds

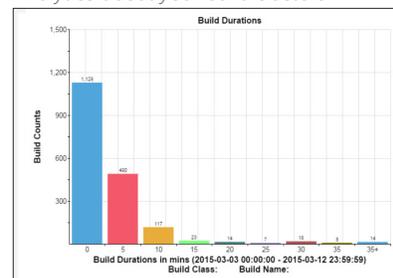
## Heterogeneous environments

*Works with your existing tools:* GNU Make, Microsoft Visual Studio and NMAKE. Integrates with Ant, Maven and other build tools.

### Electric Cloud, Inc.

35 S. Market St., Ste. 100, San Jose, CA 95113  
 T: 408.419.4300 F: 408.419.4399  
 info@electric-cloud.com  
 To see our other locations, please visit electric-cloud.com.

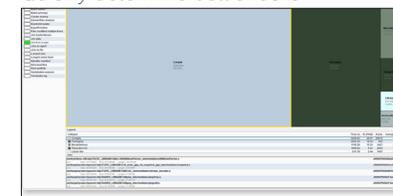
Analytics about your build clusters



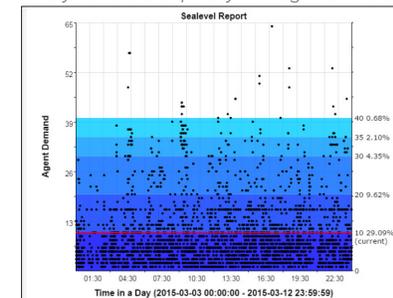
Detailed analysis about your builds



Quickly determine bottlenecks



See your build capacity throughout the day



“Even if we assume that each engineer does only one build per week, the money saved in lost productivity paid for the solution within 6 months.”  
 – Glenn Salaman, Director of Software Development Qualcomm Boulder