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— Glenn Salaman, Director of Software Development, Qualcomm

About Qualcomm

Qualcomm, Inc. is a \$5 billion company that develops digital wireless telecommunications products and services for wireless device and infrastructure manufacturers. The company’s office in Boulder, Colorado provides pieces of modem and multimedia applications for cellular telephone software. This software is ultimately used by mobile phone manufacturers such as LGE, Motorola, and



Before Electric Cloud

Many builds and long build times are not keeping up with a fast-moving market. Engineers waiting for builds are less productive with valuable testing and debugging time being lost. Slow small builds including 5- to 10-minute builds cost the team productivity. Builds combined with growing build times caused the overall build time to grow exponentially. Complex product matrix results in hundreds of different builds.

How did Electric Cloud Help?

In the Boulder office, over 50 programmers now conduct builds with the ElectricAccelerator cluster. Builds that used to take 90 minutes now complete in less than 15, and engineering is experiencing greater productivity. Salaman explains, “Even if we assume that each engineer only does one build per week, the money saved in lost productivity pays for the system inside of six months.

- **Faster builds.** Taking builds from 90 minutes to 15 minutes by running them in parallel across a cluster of standard servers.
- **Quick ROI** The money saved in lost productivity pays for the system inside of six months based on very conservative estimates..
- **Made builds easier** “The big bang for your buck is in the build speedup and engineer productivity,” commented Salaman, “but it also makes my life much easier to not have the team dread builds anymore.”
- **Increased productivity** The fully managed workflow provides FamilySearch with good visibility into the software delivery status of all the applications that support FamilySearch.org.
- **Increased customer responsiveness** Qualcomm continues to lead the market by being extremely responsive to customers and delivering innovative new software features with their chipsets. As the phone production matrix continues to expand, Electric Cloud has enabled the group to speed their builds to keep up with their rapid growth.

Type of Application

Enterprise Web/IT

Solutions Purchased

ElectricAccelerator