



“Electric Cloud ElectricCommander is highly flexible, allowing us to adapt it any way we need it. We don't need to mold our software process to the product, as it can actually match our existing approach to software development.”

— Axel Naumann, Scientist, CERN

About CERN

CERN The European Organization for Nuclear Research Employees: Approximately 2,000 HQ: Sits astride the Franco-Swiss border near Geneva, Switzerland
Founded: 1954 CERN is the European Organization for Nuclear Research, which focuses on fundamental physics, finding out what the Universe is made of and how it works. The CERN Laboratory is home to the Large Hadron Collider (LHC), a particle accelerator designed to study the smallest known particles.

home.web.cern.ch



Before Electric Cloud

CERN didn't have a single solution that could handle several different projects and use a single database, ensuring the deployment could expand easily. The various options they explored exhibited varying limitations including: an inclination for only one programming language, the lack of an API and insufficient scalability or speed for the job. Some were limited in terms of platforms they would work with, or proxy features. They needed scalability and flexibility all in one.

How did Electric Cloud Help?

CERN's ROOT team with ROOT being their open source foundation product on a global scale developed for high volume data analysis, implemented Electric Cloud to automate its build and test processes. The builds and tests are now running fast and efficiently. Prior to implementing Electric Cloud, frequent builds and tests were not regularly performed because of slow processes and inefficiencies..

- **Complete visibility.** Nightly binary snapshots are created so the entire team receives user confirmation the next day. This allows for a “blessed,” tested binary snapshot to be released daily.
- **Process automation.** ElectricCommander automated CERN's build and test processes. Code is developed with Subversion, which ports into ElectricCommander. The builds are run using a continuous integration process, and the test suite is then invoked every 2 to 3 hours with Commander.
- **Streamlined workflow efficiency.** ElectricCommander has dropped directly into CERN's existing development workflow, allowing them to be more efficient and reliable with a single stroke. The success the ROOT team has seen has encouraged other teams at CERN to use ElectricCommander. There are now four distinct projects at CERN using ElectricCommander every night, with each of these projects building on multiple platforms, and this list of projects and teams adopting Electric Cloud continues to grow.
- **Single scalable solution.** ElectricCommander was able to accommodate for production-grade, multi-platform, multi-version systems designed to scale as needed.

Type of Application
Enterprise Web/IT

Solutions Purchased
ElectricCommander