Unleash the Full Power of the Cloud

Swift time-to-market, access to actionable data in real time and dramatically lower operating costs are essential for enterprises to maintain a competitive foothold and strategic advantage.

But getting there isn’t easy. It requires software that is data-centric, highly performant, scalable, resilient and efficient. Lifting and shifting traditional server based application frameworks to containers and deploying them in the cloud doesn’t get the job done. To achieve, enterprises must build cloud-native applications to complement cloud-native infrastructure in order to fully capitalize on the scalability and availability of the cloud.

Akka Platform provides the building blocks that make it easy for enterprises to build, deploy and run large-scale applications that support their most business-critical initiatives. Accelerate time-to-value while reducing infrastructure and cloud costs with microservices that are resilient to failure, highly efficient, operate at any scale and at lightning speed across the globe.

Reactive Architecture

Akka Platform is built on the principles of reactive architecture to take full advantage of distributed, scalable and operationally complex infrastructure. Reactive Systems are loosely-coupled, tolerant of failure, easier to develop and amenable to change. Giving Lightbend customers:

- **Global Consistency at Scale** – the power of stateful, data-driven services deployed in an efficient, stateless way with Akka Platform and Kubernetes to guarantee global consistency
- **Intelligence to Self-heal** – beyond simple fault tolerance with automatic self-healing clusters – across services, modes, and networks
- **Increased Performance** – with less infrastructure, regardless of deployment environment

Successfully execute large-scale, digitally transformative initiatives such as:

- Modern eCommerce
- Real-time Analytics
- IoT Platforms
- Real-time Financial Processes
- Infrastructure Optimization
- Application Modernization
- And many more

"The reduction of infrastructure and the associated cost savings Akka Platform provides enables teams to place focus on building features that attract new customers and enhance user experiences."

—Mahesh Jadhav, Software Architect, Dream11
**Akka Platform**

Build cloud-native applications that can be deployed on any environment – public/private cloud, hybrid cloud, on-prem. From highly scalable and performant microservices to streaming big data applications, developers can use Akka Platform to leverage cloud-native applications and process big data at speed while applying machine learning to live data streams.

By removing the architectural hurdles commonly associated with globally distributed, cloud-native applications teams can focus on developing business logic instead of worrying about back-end complexity. Intelligent monitoring and observability are built directly into the platform for real-time insight into the health, availability and performance of applications.

**The Value of Akka**

There's a reason many globally recognized brands choose Akka Platform for their most digitally transformative projects:

- **Reduced Infrastructure/Cloud Cost**
  - 8 VMs (down from 200) to process 1 billion events per day
  - PayPal

- **Accelerated Time to Value**
  - Ability to send more than 10M simultaneous messages across multiple channels
  - USAA

- **Deepened Customer Engagements**
  - Daily real-time monitoring of billions of sensors with predictive analytics
  - Hewlett Packard Enterprise

- **Increased Market Share**
  - 30,000+ users joining per second during spikes with no latency
  - DREAM11

- **Greater Developer Productivity**
  - 40% reduction in development costs
  - Verizon

- **Reduced Risk**
  - Loan qualification approval in 1 second (previously 55 hours)
  - CapitalOne

**Let’s Go 🔗**

Whether teams have experience with Lightbend technology or are starting from scratch, Lightbend subscriptions prepare teams (and any of your implementation partners) with the technology and expertise needed to quickly begin executing transformative business strategies.

[www.lightbend.com](http://www.lightbend.com)

Lightbend is the originator of open source application frameworks Akka, Play & Lagom, Cloudflow, Cloudstate, and the Scala programming language. ©2021 Lightbend, Inc. All rights reserved.