

Easily build, deploy, and run high-performance applications seamlessly from the Cloud to the Edge.

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.

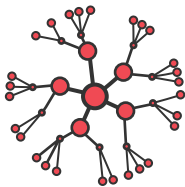
Akka provides the building blocks that make it simple to build event-driven systems that take full advantage of the distributed nature of the Cloud and are resilient to failure, highly efficient, and operate at any scale. Ensuring critical data is available when, where, and only for as long as needed.

Reactive Architecture

Akka 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, and amenable to change.

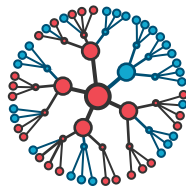
Successfully execute large-scale, digitally transformative initiatives such as:

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



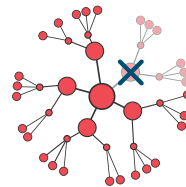
Low Latency
Fastest possible speed

Performance Matters
Making operational or business decisions as quickly as possible is essential



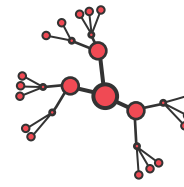
Scalable
Scales up and down

Efficiency Matters
Cloud infrastructure is usually one of the largest IT expenses for an enterprise –only use what you need



Reliability
Systems are self-healing

Availability Matters
Network/cloud outages and device failures cannot be allowed to impact your business



Efficiency
Uses less infrastructure

Cost Matters
Shipping data around the planet is expensive...as is the cost of the infrastructure to process it

Akka for Building Applications

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

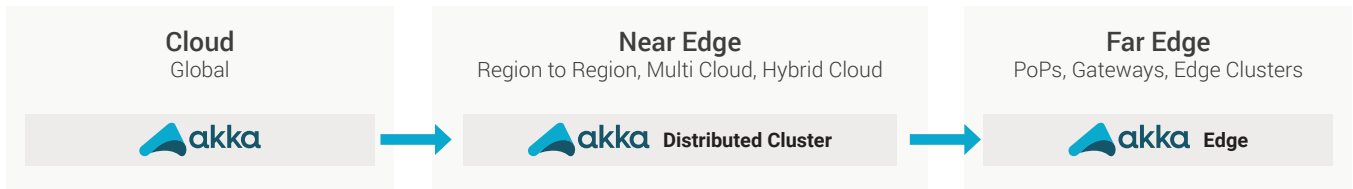
From highly scalable and high-performance event-driven systems to streaming data workflows, Akka-based applications can be deployed on any environment –public/private cloud, hybrid cloud, on-prem.

Akka Cloud-to-Edge Continuum

Software designed to run globally in the Cloud has not been well suited to run at the Edge and vice versa...until now. With Akka you only need to build once for the Cloud, then seamlessly deploy to the Edge as needed.

Akka Edge provides:

- **Unified Cloud-to-Edge Data Plane** – data moves from the Cloud to the Edge or in the reverse, so it is always available, in the right place, at the right time, for the right duration
- **Singular Programming Model** – eliminates the high latency, large footprint, and complexity barriers the Edge has posed
- **Developer Focus** – on business logic, not complicated, time-consuming tool integrations



Building blocks for easily building, deploying and running large-scale applications in cloud and on premises

Event-driven Reactive Microservices and APIs

- Take full advantage of the distributed nature of the cloud
- Resilient to failure, highly efficient, operative at any scale

- Multi-region, multi-cloud, on-premise, or rack in Edge cluster
- Secure cross-cloud communication
- Self-healing and resynchronization, even if complete communications outage
- Send adaptively filtered events to the right destinations –reliable and highly configurable
- Fast with minimal footprint

- Data always exists wherever needed, whenever needed, only for the time it is needed
- Data & Compute moves adaptively, together with the end-user
- Data is always co-located with compute and end-user ensuring ultra low latency, high throughput and resilience
- Efficient and seamless data synchronization with backend cloud

Akka Packaging and Pricing

Lightbend offers several packages at varying price points based on your development, production and service level needs. Packages include the required Akka License.

Note: Companies earning less than \$25M USD in revenue can obtain an Akka Startup production license for \$0 USD.

Features and Support Comparison

	Development		Production		
	BSL License	Akka Develop	Akka Startup	Akka Standard	Akka Enterprise
LICENSES					
Development License —Akka is licensed under BSL v1.1 and all unsupported non-production development use has no cost.	✓	✓	✓	✓	✓
Commercial Production License —Akka requires a commercial license for production usage.			✓	✓	✓
PROTECTIONS					
Warranty & Indemnification —Commercial license agreement in lieu of open source terms. Included comprehensive warranty and indemnification protects your company against IP claims and other unforeseen liabilities.				✓	✓
TOOLS					
Akka Insights —Intelligent monitoring and observability. Deep visibility into applications built using Akka.		✓		✓	✓
Akka Management —Safe orchestration for key deployment and management processes, automated cluster management, network partition resolution, dynamic load balancing and more.	non-production use	✓	✓	✓	✓

Features and Support Comparison

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TOOLS					
Replicated Event Sourcing —Enables running multiple synchronized replicas of each entity. Great for failover and load management.	non-production use	✓	✓	✓	✓
Akka Kubernetes Lease —Implementation module of Akka Coordination Lease backed by a Custom Resource Definition (CRD) in Kubernetes.	non-production use	✓	✓	✓	✓
Akka Fast Failover —Designed specifically for configurations around sub-second failure configurations when a node is no longer reachable and it needs to be safely removed.	non-production use	✓	✓	✓	✓
Akka Diagnostics Recorder —Detect and resolve thread starvation issues in Akka-based applications.	non-production use	✓	✓	✓	✓
GDPR for Akka Persistence —Module for building a GDPR compliant system.	non-production use	✓	✓	✓	✓
DEVELOPER ASSIST					
Coaching —Akka usage and best practices coaching.		✓			✓
Contributor Support —Direct support from core Akka contributors.		✓			✓
Architectural Reviews —Architectural reviews and suggestions for your new or existing application.		✓			✓
SUPPORT					
Git Issue Logging —Ability to log issues via Git against source available code bases.	✓	✓	✓	✓	✓
Portal Support (4 business days) —Bug logging and workaround support via portal.				✓	
Portal Support (1 business day) —Support for bugs and features and best practices. Responses within 1 business day.		✓			
Full Support (24x7 Support) —(24x7x365)—For both Lightbend’s open source and commercial software (e.g. Akka, Alpakka-Kafka, Telemetry, etc.).					✓
TRAINING					
Academy —Partial access to our online, self-paced training portal. From reactive architecture, to project specific learning and more, teams have on-demand access to an ever expanding list of tutorials and how-to’s developed and taught by Lightbend experts.	✓	✓	✓	✓	✓
Premium Academy —Full access to our online, self-paced training portal. From reactive architecture, to project specific learning and more, teams have on-demand access to an ever expanding list of tutorials and how-to’s developed and taught by Lightbend experts.		✓		✓	✓
STAFFING					
Embedded Lightbend Engineer (ELE) Access —Access to a Lightbend trained developer that works on your team to lend expert experience in training, design and development with Lightbend tools.		✓			✓
Technical Account Manager (TAM) —Highly technical subject matter experts that partner with your project teams. TAMs develop an understanding of your unique business needs and technical environment, providing guidance and accelerated support as necessary.					✓

The Value of Akka

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

Reduced Infrastructure/ Cloud Cost

Like-for-like functionality written in **50% less code**



Accelerated Time to Value

Ability to send more than **10M** simultaneous messages across multiple channels



Increased Market Share

30,000+ users joining per second during spikes with no latency



Deepened Customer Engagements

Daily real-time monitoring of **billions of sensors** with predictive analytics



Greater Developer Productivity

40% reduction in development costs



Reduced Risk

Financial reserve query execution **6 seconds** (previously 70 minutes)



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

Mahesh Jadhav
Software Architect, Dream11

Get Started Today

Visit [Lightbend.com](https://lightbend.com) to learn more about the Akka Cloud-to-Edge Continuum and other product and service offerings.