A Better Solution for Powering Critical, Data-Intensive Workloads in Government

Data is continuously growing, creating new opportunities for improved decision-making, smarter operations, and better services. But its rapid growth is also overwhelming many of our systems. Global data volumes will explode even faster with time: The amount of data created over the next three years is projected to be more than the data created over the past 30 years, and the world is projected to create more than three times the data over the next five years than it did in the previous five.¹

This trend presents an epic challenge for federal agencies, which are scrambling to ingest and make sense of accelerating streams of videos, images, sensor data, log files, metadata, IoT, social media, and other varieties of data in real time.

Many of today’s federal IT infrastructures struggle to effectively manage today’s and tomorrow’s digital resources. Often, they are fractured by disparate technologies and architectures, proprietary systems and solutions, organizational silos, and geographical locations.

The solution to these problems is not just larger databases. Federal agencies require extreme-scale data foundations that also can ingest, store, process, and perform in real time, all the time, across the entire enterprise, and within a minimal hardware footprint.

These and other factors undermine their ability to:

- Ingest and analyze streaming big data from multiple sources in real time
- Centralize and connect their data in real time
- Integrate modern applications with legacy systems
- Analyze and visualize large data volumes
- Deliver distributed consumer-quality services to citizens and employees

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Extreme-scale, real-time data connectivity for federal agencies

Aerospike offers federal agencies an advanced, distributed, real-time data architecture — built upon our patented Hybrid Memory Architecture™ — to connect data instantly across the enterprise, regardless of where it resides. Today, our products are trusted by some of the biggest names in banking and financial services, telecommunications, retail, advertising, and — more recently — the federal government to power their most data-intensive, real-time operations.

Our difference is simple: We deliver a highly secure, next-generation, edge-to-core data foundation that offers unrivaled uptime and reliability, predictable high performance at any scale, and dramatically reduced complexity and total cost of ownership (TCO).

With Aerospike, federal agencies have a reliable, secure, high-performing data foundation that can accelerate IT modernization goals and bring enterprise data strategies to reality. This unique ability to pair extreme-scale data applications (including AI and machine learning-enabled applications) with consistently high performance and availability, robust security, and exceptionally low TCO enables us to support the most demanding, data-intensive government workloads, including:

- AI and Machine Learning
- Personalized Citizen Services
- Edge Computing At Scale
- Operational and Financial
- Compliance
- High-Performance Computing
- 5G Architectures
Why Aerospike

We believe it is not sufficient simply to run extreme-scale workloads — it must be done securely, on the smallest possible hardware footprint, and deliver reliably high performance and unrivaled availability. We have invested heavily in our multi-patented, next-generation technologies that make this possible. Many of the world’s most data-intensive, extreme-scale enterprises have noticed and trust us to support their most challenging and critical workloads. We are a firm backed by world-class investors, including Gilman Louie, the founder of In-Q-Tel and a member of the U.S. National Security Commission for Artificial Intelligence, the Technical Advisory Group of the U.S. Senate Select Committee on Intelligence, and the National Commission for Review of Research and Development Programs of the U.S. Intelligence Community. Aerospike has strategic partnerships with Dell, HPE, and Intel and is available through our valued federal partners.

To learn more about how Aerospike can help your agency, contact: federal@aerospike.com.

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Designated Small Business

The Aerospike Real-time Data Platform enables organizations to act instantly across billions of transactions while reducing server footprint by up to 80 percent. The Aerospike multi-cloud platform powers real-time applications with predictable sub-millisecond performance up to petabyte scale with five-nines uptime and globally distributed, strongly consistent data. Applications built on the Aerospike Real-time Data Platform fight fraud, provide recommendations that dramatically increase shopping cart size, enable global digital payments, and deliver hyper-personalized user experiences to tens of millions of customers. Customers such as Airtel, Experian, Nielsen, PayPal, Snap, Wayfair and Yahoo rely on Aerospike as their data foundation for the future. Headquartered in Mountain View, California, the company also has offices in London, Bangalore and Tel Aviv.

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