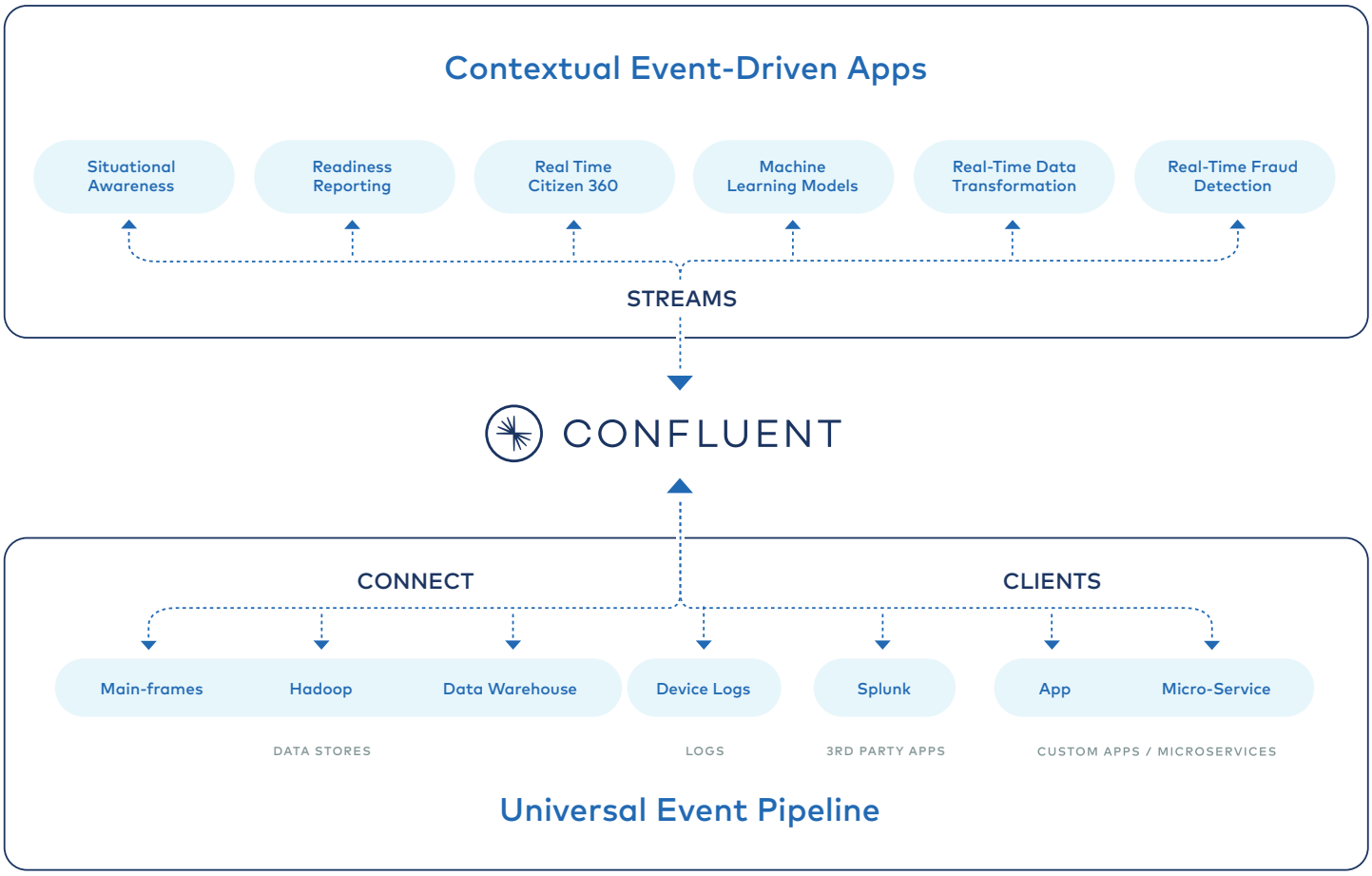
GOVERNMENT

Confluent Public Sector

Confluent Public Sector- knows government missions are driven by a constant stream of events, and that success depends on the ability to react as quickly as possible. Confluent offers an enterprise event streaming platform built by the original creators of Apache Kafka®. Confluent enables government agencies to utilize data as a continually updating stream of events, rather than discrete snapshots. Run your agency by building real-time applications with historical context - all based on a universal event pipeline.

The Confluent Platform Provides a Universal Event Pipeline Enabling Contextual Driven Apps



Confluent Platform Options

Sensor Data Collection and Processing
Organizations across the government are leveraging Kafka to handle real-time feeds of sensor data. By publishing streams of events, they enable faster mission response, and multi-source data fusion. Disparate teams can deploy algorithms for detection and analysis and publish their results for others to consume and act on. Sensor data can span everything from telemetry to traditional SIGINT.

Data Ingest Pipeline
Kafka often serves as an ingestion pipeline and buffer for specific data sinks such as relational databases or ELK. Often times applications, databases, or indexes have trouble keeping up with ingestion rates particularly with spiky traffic patterns that can lead to dropped data. Kafka buffers incoming data until tools have a chance to catch up.

Legacy Messaging Modernization
The traditional notion of publish and subscribe, to decouple and enable asynchronous communication, remains a useful model for numerous applications. Legacy messaging technologies, however, have a number of limitations.With its modern, distributed architecture, Kafka delivers performance, massive scale, durability and availability. Kafka's ability to persist data also enables simplified data distribution and retroactive mission processing.

Digital Modernization of Citizen Engagement
Confluent's event streaming platform gives Government agencies the ability to interact more meaningfully with citizens over the course of their lifetime. Opportunities for improvements include a richer website experience, faster processing and vetting of applicants, rapid identification and action against fraud, faster enrollments or registration, and greater transparency. By accelerating these important functions, even performing them in real-time, Confluent Platform is designed to transform the nature of Citizen Engagement.

Efficent operations at scale
Minimize operational complexity while ensuring high performance and scalability as event streaming grows through your organization.

Freedom of choice
Deploy on-premises, in public or hybrid cloud, from bare-metal to Kubernetes, or leverage a fully managed cloud service with Confluent Cloud.

Committer-driven expertise
Leverage the world's foremost Kafka experts, who work directly with Kafka committers to assist you throughout the application development lifecycle.

Central Nervous System
Achieving the unfulfilled vision of the Enterprise Service Bus (ESB) is now a reality with modern technical architecture. Enterprise data flows through Kafka from sources of truth to the many downstream consumers. This eliminates the complexity of point to point integration. Lyft, Uber, Linkedin, Netflix and many other organizations deploy and manage Kafka clusters to provide access to all the real-time data that a digital organization needs.

Cyber Data Collection and Dissemination
This is now one of the fastest growing usage patterns withConfluent - Cyber Data (network events, log events, etc.) flow into Kafka, which then feeds into one or more tools like Splunk, ArcSight, or Elastic, Logstash and Kibana (ELK). In addition, real-time analytics, processing, and alerting takes place directlyagainst the streaming data. This brings countless advantages such as allowing usage of best of breed tools, cost reduction by stratifying data and the tools used for them (a subset into Splunk but a large amount in ELK), and enabling a hub/spoke distributed method of handling data.

Data Distribution and Replication
Confluent replication, built on top of Kafka, gives a reliable and flexible way to replicate data thereby ensuring high data fidelity. This can be hub and spoke, where there is edge data collection/ processing and a central aggregation. It could be simple data center to data center replication. It's particularly useful in environments with multiple applications or tools that require the data.

Hybrid Cloud and Replatforming
Kafka provides an on-ramp to migrate to a modern architecture by building a persistent bridge between data center and cloud with Confluent Replicator. Data can flow into Kafka from legacy systems and be distributed to numerous new applications. Legacy and new platforms can co-exist until the time the legacy system is taken offline. This is a common pattern for mainframe customers.

Unrestricted developer productivity
Democratize Kafka for a wider range of developers and accelerate how fast they build event streaming applications.

Production-stage prerequisites
Architect the platform with the foundational enterprise-level attributes needed to implement event streaming in production. Confluent makes it easier to develop, deploy, secure and operate at enterprise scale.

Ready to get started? Contact a Confluent expert today
Email us at publicsector@confluent.io Or visit www.confluent.io/government/ for more details