

CONFLUENT PUBLIC SECTOR OVERVIEW

# Digital Government Needs Access to Data in Motion

Meeting the expectations of today's citizen is dependent upon delivering a responsive, and personalized experience. Influenced by the apps they use to complete everyday tasks, citizens and federal workers alike hold a high standard expectation for digital experiences that guide them through unfamiliar processes.

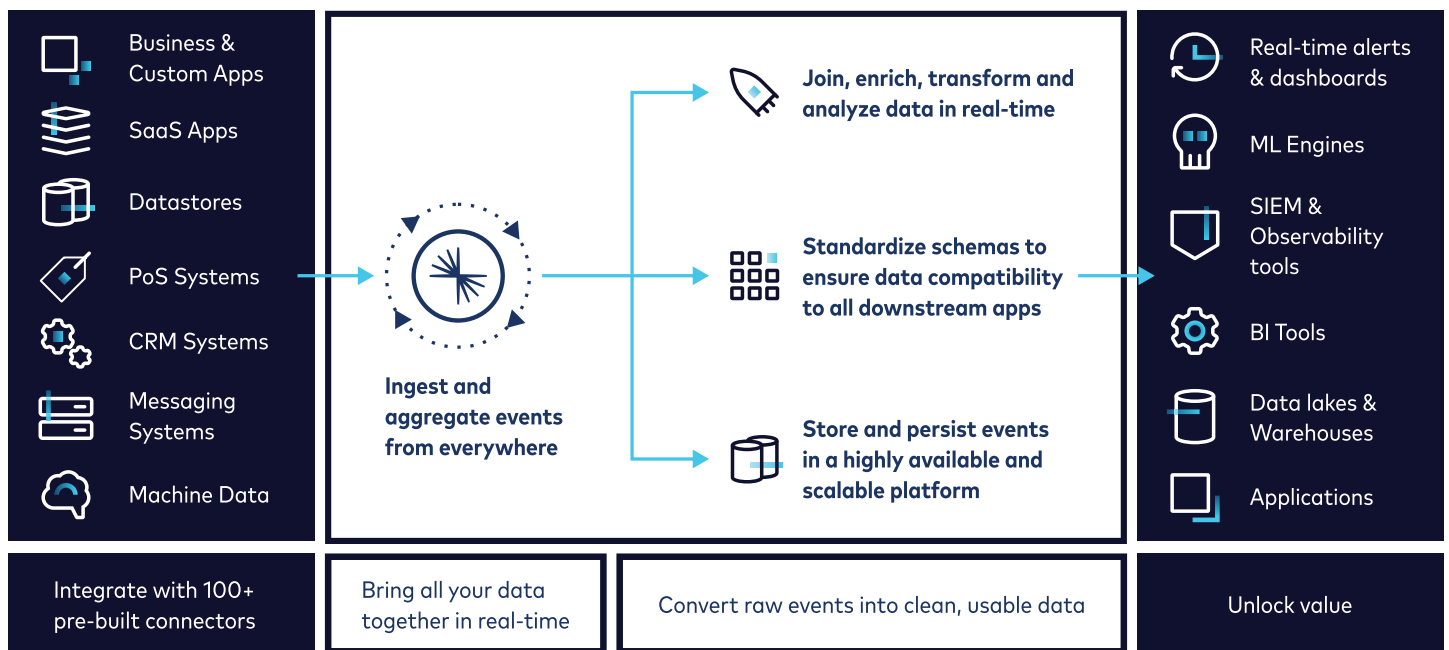
Confluent enables government to treat data as a continually updating stream of events, rather than static snapshots in time. This means you can serve your constituents with the most personalized, context rich services by building applications that combine real-time data with historical and contextual data. Confluent is an enterprise data in motion platform with open source Apache Kafka at its core. It adds the critical capabilities around security, operations, data governance, and distributed operations making it the platform of choice for modernizing mission critical programs and workloads with data in motion.

## What is Apache Kafka®?

First developed at LinkedIn by Confluent's founders, Apache Kafka is a distributed event streaming platform capable of handling trillions of events a day. Kafka is based on an abstraction of a distributed commit log and has defined a new market category – the event streaming platform. Since being open sourced in 2011, Kafka has gained rapid and widespread adoption across industry and government, in use in nearly every department.

## Building Your Central Nervous System

Event streaming puts data in motion and creates a central nervous system for your entire organization, creating a new paradigm that supports collecting a continuous flow of data throughout an organization and processing it in real-time. This means all data in the organization—covering every team, every use case, on-prem and in the cloud, etc.— can be managed through a single event streaming platform. It's the realization of enterprise data as a service. Placing a data in motion platform at the heart of an organization enables the discovery of new insights and maximizes citizen engagement by simultaneously distributing data to every application or system.



# Data in Motion and Your Mission

## Connected Government

Across government, projects are seeking to utilize IoT and sensors of all kinds to be more effective in their mission. Moving to a data in motion paradigm is the only way to effectively react in real-time to the data coming from thousands or millions of devices. Using this approach, missions are accelerated and multi-source data fusion is enabled. Disparate teams can deploy streaming services for detection, analysis and action.

## Data Fabric

Siloed data needs to be unlocked and able to flow freely in order to realize its value to an organization, a truth stated in the Federal Data Strategy, "Fully leverage the value of federal data for mission, service, and the public good." Data Fabric enables a distributed data environment that is focused on a relatively reliable and geographical close system. Confluent helps take this concept to a global level by addressing latency, bandwidth, and reliability.

## Legacy Messaging Modernization

Adding applications and data sources to traditional messaging applications can be incredibly time consuming, complex, and expensive. Confluent simplifies this needed functionality by removing operational complexity with a decoupled event-driven infrastructure so your developers can focus on building business logic faster. Additionally, Confluent is able to persist data to enable retroactive mission processing.

## 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 benefits enrollments or registration, and greater transparency. By accelerating these important functions, even performing them in real-time, Confluent is designed to transform the nature of Citizen Engagement.

## Cyber Defense

Cyber Data (network events, log events, etc.) flow into Confluent, which then feeds into one or more tools like Splunk, ArcSight, or Elastic, Logstash and Kibana (ELK). This makes it possible for real time data sharing across multiple levels of government as required by the Executive Order on Improving the Nation's Cybersecurity. In addition, real-time analytics, processing, and alerting takes place directly against the streaming data.

## Bridge to Cloud and Re-platforming

New applications and capabilities are built in the cloud, but the data they need resides on premises. Organizations need the ability to move data reliably and efficiently back and forth. Confluent provides a persistent bridge between data center and cloud. Data can flow into Confluent from legacy systems and be distributed to numerous new applications. Legacy (including mainframes) and new platforms can co-exist until the time the legacy system is taken offline. Confluent provides a way for data to run from HQ to the tactical edge.

## Data Sharing

Efficient and secure data sharing is a key requirement in federal, state, and local agencies. Confluent powers event streaming to enable organizations to have an up-to-date copy of the data in the technology of your choice. At the same time it gives the option to have events pushed to perform event-driven actions without a copy. This approach allows the data consumer to act immediately based on real-time data.

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**Contact a Confluent expert today**  
 Email us at [publicsector@confluent.io](mailto:publicsector@confluent.io)  
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**About Confluent** Confluent is pioneering a fundamentally new category of data infrastructure focused on data in motion. Confluent's cloud-native offering is the foundational platform for data in motion—designed to be the intelligent connective tissue enabling real-time data, from multiple sources, to constantly stream across the organization. With Confluent, organizations can meet the new business imperative of delivering rich, digital front-end customer experiences and transitioning to sophisticated, real-time, software-driven backend operations. To learn more, please visit [www.confluent.io](https://www.confluent.io).