



SOLUTION BRIEF

# Transforming the Public Sector with Cloud-Native Computing with Rakuten Cloud



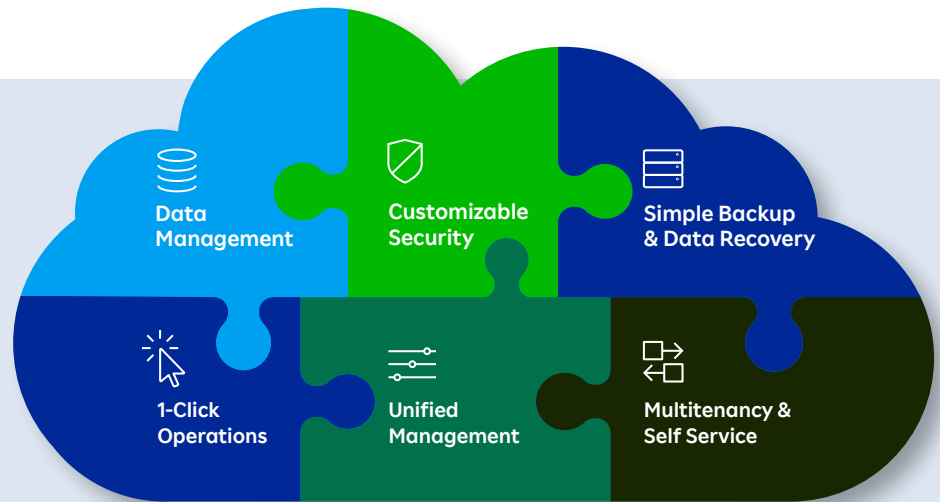
## Summary

The public sector faces mounting pressure to enhance citizen services, bolster security, and optimize operational efficiency. Traditional IT infrastructure often falls short—particularly at the **edge**—where real-time insights and responsiveness are paramount.

Rakuten Cloud's cloud-native solutions empower government agencies to overcome these challenges by delivering a unified **core-to-edge** infrastructure. This solution brief details how Rakuten Cloud enables public sector organizations to unlock

new levels of citizen engagement, improve operational efficiency, and drive significant public value. By seamlessly extending the power of Sovereign Data Center capabilities from the core to the edge, Rakuten Cloud facilitates real-time data processing, localized decision-making and enhanced security closer to the point of interaction. This isn't solely about cost reduction; it's about improving lives, enhancing public safety, fostering thriving communities, and ensuring equitable access to services across all locations.

## The Sovereign Cloud



## Public Sector Challenges Addressed by Rakuten Cloud

Modern governance requires real-time insights and responsiveness at every level. Traditional centralized IT architectures struggle to meet these demands due to latency, bandwidth limitations, security concerns, and the complexity of managing distributed infrastructure. Key challenges include:

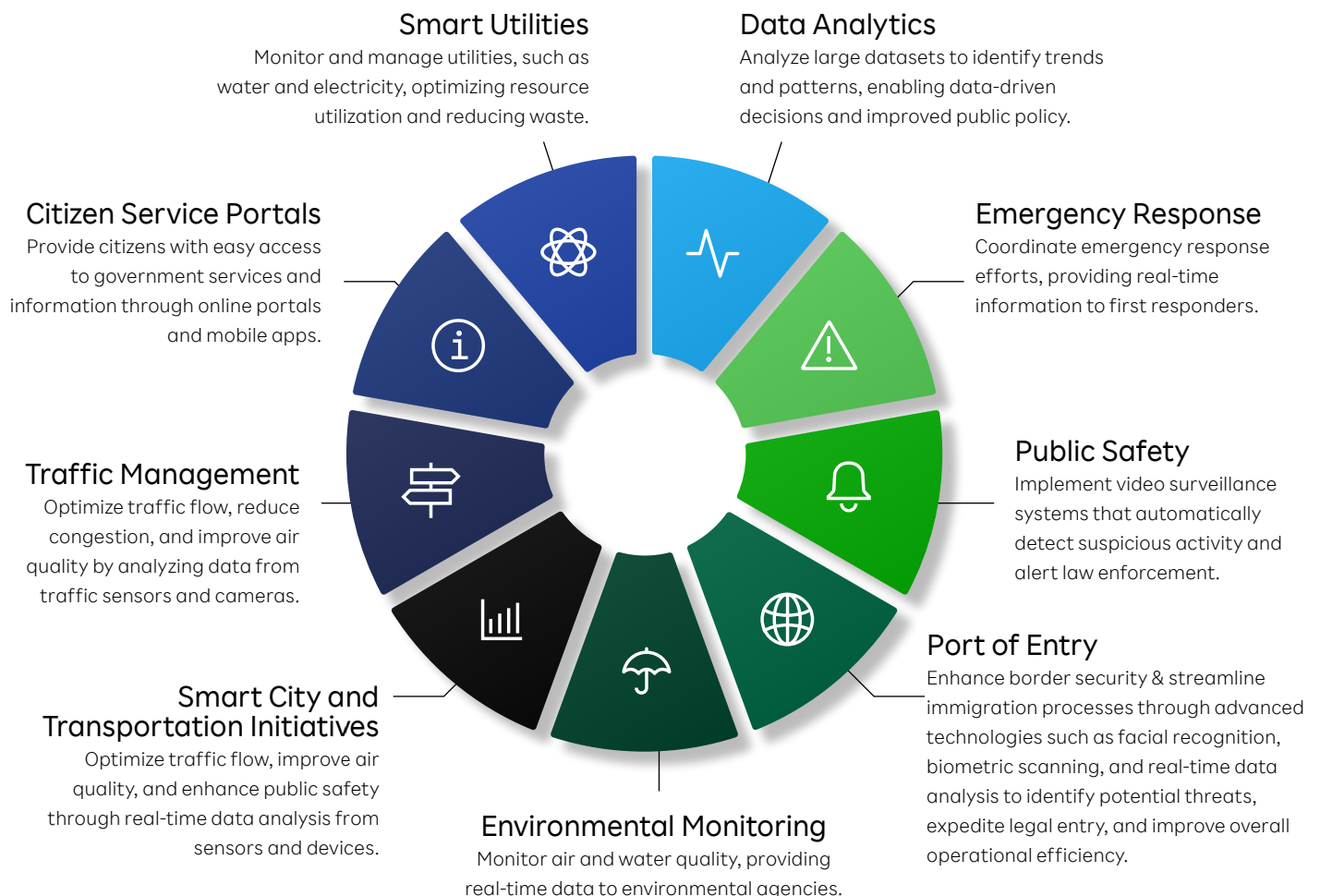
- **Data Overload:** Managing and analyzing the massive amounts of data generated by IoT devices in smart city initiatives.
- **Public Safety Demands:** Providing real-time monitoring and analysis of public spaces to prevent crime and respond quickly to emergencies.
- **Citizen Service Expectations:** Delivering seamless and easy access to government services and information through online portals and mobile apps.
- **Cloud Sovereignty and Compliance:** Ensuring sensitive citizen data is stored and processed within the country or region to comply with regulations.
- **Private Cloud Experience:** Delivering a modern private cloud experience that offers unified, easy-to-use management, customizable security, self-service multi-tenancy, simple backup and disaster recovery, comprehensive data management services, and unified management across all resources.
- **Critical Infrastructure Security:** Protecting critical infrastructure, such as power grids and transportation systems, from cyberattacks.
- **Distributed Infrastructure Management:** Deploying, managing, and securing IT infrastructure across numerous government buildings, public spaces, and remote locations.

## Public Sector Outcomes Addressed by Rakuten Cloud

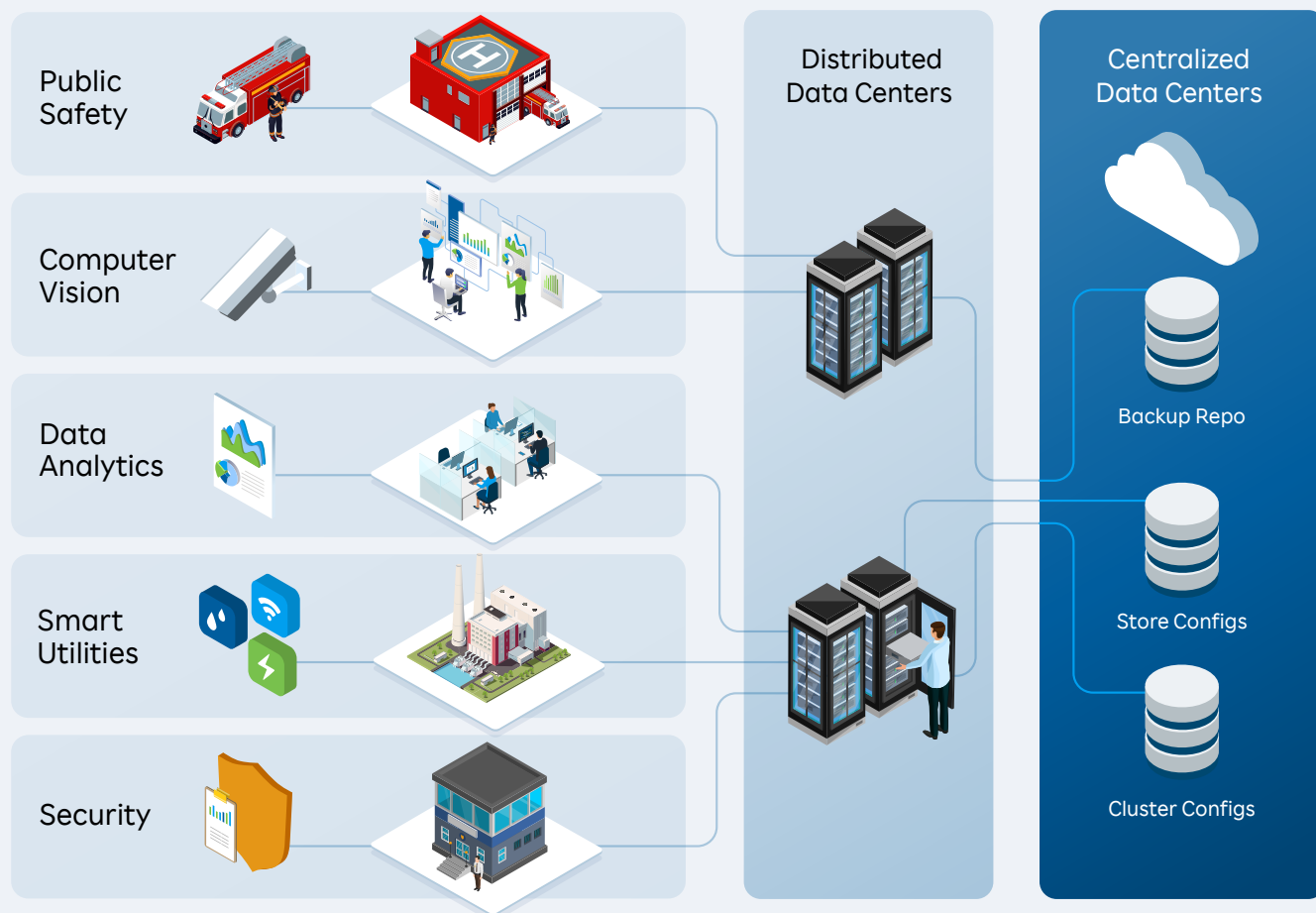
Rakuten Cloud solutions provide a comprehensive and integrated approach to addressing these challenges, enabling public sector organizations to achieve the following business outcomes:

- **Enhanced Citizen Engagement:** Deliver personalized and responsive services that improve citizen satisfaction and trust.
- **Improved Public Safety:** Leverage real-time data and analytics to prevent crime, respond quickly to emergencies, and protect critical infrastructure.
- **Sovereign Cloud, Governance and Control:** Maintain complete control and visibility over sensitive citizen data, ensuring compliance with regulations, implementing robust security measures to prevent unauthorized access, and enabling secure data sharing across authorized government agencies.
- **Increased Operational Efficiency:** Automate tasks, streamline workflows, and optimize resource utilization to reduce costs and improve productivity.
- **Data-Driven Decision Making:** Gain real-time insights from data to make informed decisions and improve public policy.
- **Agile and Scalable Infrastructure:** Rapidly deploy and scale applications to meet changing citizen needs and government priorities.
- **Reduced Risk and Enhanced Security:** Protect sensitive citizen data and critical infrastructure from cyberattacks and ensure compliance with regulations.

## Rakuten Cloud Public Sector Use Cases



## How Rakuten Cloud Delivers a Cloud Solution to the Public Sector



## Solution Components

Rakuten Cloud offers a suite of cloud-native solutions designed to work together seamlessly



### Rakuten Cloud-Native Storage

Provides secure, application-aware, and software-defined storage for distributed, stateful applications, ensuring data persistence and protection.



### Rakuten Cloud-Native Platform

Unified Kubernetes platform for both containers and VMs, enabling the deployment and management of diverse workloads in distributed data centers, with a small edge footprint.



### Rakuten Cloud-Native Orchestrator

A full stack automation platform that orchestrates the lifecycles of bare-metal infrastructure, virtual and containerized applications, and 3rd party appliances, simplifying management at scale.

# Rakuten Cloud solutions work together to deliver a comprehensive cloud solution for public sector distributed cloud

Rakuten Cloud transforms the public sector with its cloud-native distributed computing, enabling agencies to build a robust, scalable, and secure infrastructure that addresses key challenges and delivers significant outcomes.

By implementing Rakuten Cloud, public sector organizations can overcome challenges in engaging citizens by achieving enhanced citizen engagement, delivering personalized and responsive services that foster trust and improve satisfaction.

They can also overcome difficulties in ensuring public safety and security by achieving improved public safety, leveraging real-time data and analytics to prevent crime, respond quickly to emergencies, and protect critical infrastructure.

The Sovereign Cloud, Governance and Control provided by Rakuten Cloud allows agencies to address concerns about data sovereignty, compliance, and security, maintaining complete control and visibility over sensitive citizen data and ensuring adherence to regulations.

Furthermore, the platform allows agencies to tackle operational inefficiencies and budgetary constraints by achieving increased operational efficiency, automating tasks, streamlining workflows, and optimizing resource utilization. It enables data-driven decision making, allowing agencies to overcome challenges in leveraging data for informed policy decisions by gaining real-time insights from data to improve public policy.

With its agile and scalable infrastructure, Rakuten Cloud allows agencies to overcome challenges in adapting to evolving citizen needs and government priorities, enabling them to deploy and scale applications rapidly.

Finally, Rakuten Cloud ensures reduced risk and enhanced security, protecting sensitive citizen data and critical infrastructure from cyberattacks and ensuring regulatory compliance, thereby mitigating challenges relating to cybersecurity and data protection.

In conclusion, Rakuten Cloud empowers public sector organizations to deliver better services, enhance public safety, and operate more efficiently, ultimately improving lives, fostering thriving communities, and ensuring equitable access to services across all locations.

## Rakuten Cloud

For more information:

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