



# Smart Cities at the Speed of the AI Cloud



## Key Benefits

### Pricing Simplicity

Flat-rate billing with no egress fees and an OpEx model

No vendor lock-in

### Security Protection and Controls

ORock's robust cloud solutions meet the most stringent compliance standards and policies, including PCI DSS, HIPAA, HITECH, CJIS, FedRAMP and StateRAMP

### 24/7/365 Customer Support

Get U.S.-based support for configuration, setup, onboarding & compliance reporting

Plus, ORock's offerings are easy to use & administer, including:

Container orchestration platform

High-performance, low-cost cloud storage solutions

## USING OROCK CLOUD TO UNITE A CITY'S DIGITAL INTELLIGENCE

Today, IT leaders across every major city are exploring how enormous amounts of system data can be paired with cloud-based IoT applications and devices to improve city life. Smart city modernization requires a crucial flow of data and insights. By integrating data-driven solutions into every facet of a community -- transportation, energy systems, water and waste management and public safety to name a few -- IT leaders can transform fluid, fast-paced environments into digital intelligence. These insights can be applied to improve traffic management, monitor environments and enhance services for city residents.

Using data and the cloud purposefully is the key to unlocking urban solutions. Smart cities can, for example, highlight traffic patterns to reduce traffic incidents, access air quality sensors to reduce airborne pollutants, use IoT sensors to identify water or waste leakage across pipes as well as adjust light cadence and timing to accelerate emergency response times. In parallel, connecting data to devices and sensors can deliver transit, health services and community insights to citizens, keeping them up-to-date on news and events. Opening that data up securely is essential to leveraging digital intelligence to solve a plethora of urban issues.

For smart cities to connect and harness their digital intelligence, they need to be on an open, interoperable, compliant and secure cloud, which is differentiated from the public cloud by its flexibility, interoperability and security. This framework allows city employees to easily access and retrieve data without any roadblocks. As a result, decision makers can respond to incidents faster, reach command staff and collaborate with each other to make smart cities and their citizens more well-connected and happier.

## How Smart Cities Can Benefit From Advanced AI + Cloud

Built on OpenStack, ORock is an advanced cloud environment designed specifically for secure data operations that offers security, performance, cost predictability and control. ORock is a StateRAMP-



authorized vendor and we offer a FedRAMP-moderate IaaS and PaaS cloud. This means we follow a standardized approach to security assessment, authorization and continuous monitoring for our cloud products and services. ORock solutions also comply with important regulatory requirements and policies such as HIPAA, HITECH, PCI DSS and CJIS.

Smart cities can now kickstart their AI initiatives with ORock AI cloud and SambaNova Systems, an ORock strategic partner and AI leader. IT leaders can, for example, power a computer vision solution that unlocks the full advantage of true-resolution images from monitoring systems such as camera surveillance, digital images and other visual inputs. Small IT teams with limited resources can focus on their strategic initiatives while offloading computer vision, natural language processing or recommendation systems to our AI experts, allowing your IT teams to accelerate innovation and modernization with total confidence.

## The Bottom Line

With ORock, state and local agencies can:

- Go from zero to state-of-the-art AI and achieve faster time to outcomes that accurately solve community problems
- Meet budgetary requirements with a predictable pricing model that doesn't charge for extra fees, such as egress, APIs or storage IOPs
- Easily access city data in the cloud to store, organize, analyze and model it with accuracy
- Focus on compliance and security needs with a managed service that gives you time back to focus on your strategic priorities

Spend less, save time and get more value from your cloud service provider. Let ORock and our AI experts help you solve your technology problems while delivering a better quality of life for your residents.

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*Next-generation public safety technologies are being deployed to support first responders, improve public safety and build healthier communities. As cities collect more data from IoT technologies such as sensors and cameras in public spaces, city officials and commanders need to access, analyze and act on that incoming data in real-time. For that to happen, it's extremely important that an open, secure framework form the foundation of a smart city's cloud.*  
 Mike Gambrell, Chief of Police for Greenville, SC (Ret.), SLED Vertical Alliance Manager, TD SYNEX  
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## Certifications & Compliance



Learn more about the ORock secure cloud.

Contact us at 800.839.5240, sales@orocktech.com, or visit orocktech.com