City of Montevideo builds data-based, digital services with Red Hat

The City of Montevideo is the capital of Uruguay. To support a population of 1.5 million people, the municipality’s government employs 8,000 public administration officers.

**Challenge**

The City of Montevideo’s Department of Sustainable Development, Smart City Technology Management, and Smart City Platform Unit focus on technology innovation projects that improve the municipality’s infrastructure with a focus on citizens. The city sought to develop an IT platform that would integrate infrastructure, services, and data to improve citizen satisfaction.

**Solution**

- Created microservices- and container-based platform to integrate internal and third-party services and data using Red Hat OpenShift Container Platform
- Built city service application programming interface (API) and state web portal, MontevideoAPI, using Red Hat 3scale API Management to deliver valuable information—based on real-time transportation data—to citizens and partner organizations

**Benefits**

- Developed application, Cómo ir, to provide bus arrival time and tracking information to more than 150,000 citizen users per month
- Integrated real-time data on private and public transportation with Internet of Things (IoT) capabilities
- Improved state decision-making and traffic services for citizens with activity control system for geofencing, virtual mapping of the city’s real-world geography and vehicle information


“*The Red Hat products we used were an ideal infrastructure to give our open service platform the required governance and scalability.*”

José Miguel Barone
Director, Smart City Platform Unit,
City of Montevideo