

DevOps for a U.S. City Government

Application of DevOps for a city government to integrate and centralize the development and business activities

Who is the client?

The client is the government of a major city in the U.S. The client was committed to a thorough transformation into the digital space, migrating most of their traditional project activities into the cloud. This project was conceived as an ancillary project to reform the development and management pipeline for the software development projects already under implementation.



What was the client's need?

The objective was to create a system which can streamline the project activities that the teams were performing routinely in a traditional Agile Scrum model. The activities involved the design and development team from Data-Core and the operations and networking team from the City's IT department working together.

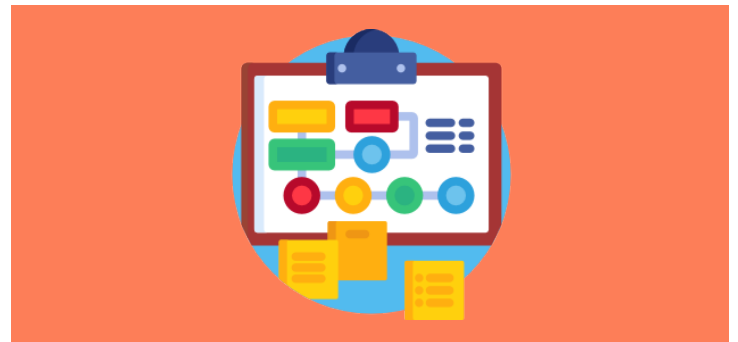
The initial process entailed a barrage of correspondences exchanged, leading to latency and miscommunications. There were instances of delayed production, resulting in loss of revenue for the city. Streamlining and automating these processes became the need of the hour.

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What services did Data-Core provide?

The Data-Core team proposed the city administration its plan to integrate and centralize the development and business activities to ensure better transparency, collaboration, and speed in software development projects. Over the next several months, the Data-Core team worked with the city's IT team to combine all of the discorded pieces into one centralized cloud service. The principles and methodologies of DevOps were applied to optimize the entire process of business analysis to production to post-production. It is now managed effortlessly by both Data-core and the city's IT and Project Management teams, without friction.

In due course, the full development stack was brought into the ambit of the DevOps process. The team picked Microsoft's Azure Cloud DevOps and Jenkins as the foundation platforms. We then plugged in additional tools like Selenium from the Automated Testing team, Rapid7 from the Security Testing team and SoapUI from the API Integration team for a seamless automated experience.



In Summary

During the conception of the project, the principles and technologies associated with DevOps were still nascent and being adopted by teams sparsely around the world with not much precedents and experiences to refer to. Data-Core was instrumental in the implementation of cost-saving DevOps practices, such as departmental collaboration and utilizing cloud-enabled, centralized test automation platform. The project is in full-operation now and is being emulated by several other developments.

*Discover the Data-Core Advantage.
Learn how we can help your company be more relevant, effective and efficient.*



USA Headquarters
1500 JFK Blvd., Suite 624
Philadelphia, PA 19102
Tel: 215 243 1990
www.datacoresystems.com

Bristol, USA
111 Sinclair Road,
Bristol, PA 19007
Toll Free: 877 300 9529
Tel: 267 569 0800

Las Vegas, NV
1771 East Flamingo Road Suite B100
Las Vegas, NV 89119
Toll Free: 877 300 9529
Tel: 702 795 9559