

Data Modernization in 30 Days for State and Local Governments

State and local government agencies are under more pressure than ever before to improve service quality and agility. Data can be a key enabler towards meeting citizen expectations but government agencies struggle to leverage it due to their legacy and siloed systems. Despite a significant IT budget committed on maintaining them, many of legacy technologies hamper agility, inhibit innovation and are vulnerable to cybersecurity risks.

To do more with less and to harness their data seamlessly and securely, agencies would have to fundamentally transform the data ecosystem. However, modernizing a data estate isn't always easy; it involves introducing fresh processes, using new tools, and training employees on new skill-sets.

Simplify and accelerate your journey to unlocking the full power of your data

In our Data Platform Modernization in 30 Days engagement, we help you push through your legacy infrastructure and skill-set barriers. We start by showcasing the technical and functional benefits of Microsoft's Modern Data Platform and then follow it up by providing a hands-on training to your team to facilitate a smooth transformation to this new operating model.

Our Delivery Process



Assess

Conduct a technical review of the current data infrastructure, including ETL and reporting tools in use, and analyze complexities, blockers, risks and dependencies.



Envision

Conduct a workshop with key stakeholders to understand objectives and create a reference architecture.



Deploy

Set-up the Azure landing zone, underpinned with Azure Data Services and build out the reference architecture, while handling connectivity, identity and access management, security, and governance.



Train

Train your team on Microsoft's modern data platform through documentation, hands-on education, and recorded meetings.



Review

Create Power BI dashboards for reporting and socialize the engagement with business and technical stakeholders.

Final Deliverables



Duration: 4 Weeks



Cost: \$15,000 (frequently funded via Microsoft)



Fully deployed landing zone in Azure



Knowledge transfer: PoC code and documentation for future reference



Cost estimates and roadmap for data platform modernization

Get in touch
with us:

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How Tallan is enabling state and local government agencies to leverage their data for better citizen service delivery

Optimizing unemployment claim processing for a State Employment Security Department



Situation

This State Employment Security Department was in need of a data modernization strategy to improve administration of key processes such as management of unemployment claims. One weekly SFTP processes took 24 hours to download, 2 hours to unencrypt, one more hour to duplicate, and finally 90 minutes to restore.



Solution

Tallan delivered a six-week engagement, in which it combined two (2) SQL Server data sources into a dimensional model and fed into an Azure Data Lake and Synapse Data Warehouse. This data was finally leveraged to create Power BI reports for analysis and reporting against key data points such as wage information by time, date and employer, etc.



Impact

The new Azure environment streamlined and de-duplicated 30+ years of data from the legacy Employment Database and the current database to support enhanced reporting.

Improving water quality for millions



Situation

The District of Columbia Water and Sewer Authority (DC Water) is responsible for the processing and maintenance of the city's water supply for over 700,000 residents and nearly 20 million annual visitors. It wanted to analyze data and report on water quality and consumption, as well as predict water main breaks.



Solution

Tallan, through a phased approach, worked on various initiatives:

- Created and delivered real-time reporting on water quality data such as pH, chlorine, and temperature.
- Automated monitoring of public water consumption and reporting using historical data and daily sensor readings.
- Leveraged machine learning to predict water main breaks before they occur.



Impact

- For DC Water, identifying the cause of a 1% of water loss could account for a potential revenue increase of about \$4-5M.
- Saved hundreds of thousands of dollars in repairs while reducing service interruption and customer complaints.

Tallan is a leading Microsoft Solution Provider for Government Agencies

Gold
Microsoft
Partner

Application Integration
Cloud Platform
Data Analytics
Data Platform
DevOps



ADVANCED SPECIALIZATION

Windows & SQL Server Migration to Azure
Modernization of Web Applications



Recognized as Microsoft
National Solution Provider



2020 Partner of the Year
finalist for Power BI



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