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LEICESTERSHIRE COUNTY COUNCIL CASE STUDY

Proactive migration of web-based Waste Data Management System alleviates risks associated with hosting business-critical application on legacy software.

Leicestershire County Council

iWDMS Waste Data Management System

Summary

Up to date Waste Management System, enables secure continuation to deliver the ambitious waste management targets of Leicestershire County Council.

Leicestershire County Council serves the local people of Leicestershire as a public service organisation. It is responsible for providing a diverse range of services to the citizens of Leicestershire including social care for adults and children, support for schools, transport, waste disposal, economic development amongst many other services.

The Integrated Waste Data Management System (iWDMS), a system developed by OpenSky, plays a vital role in enabling Leicestershire County Council to meet its high recycling and recovery targets, ensuring efficient contracts with private companies for waste collection/disposal whilst reducing the overall cost of waste management.

Leicestershire County Council engaged OpenSky to migrate its web-based Integrated Waste Data Management System (iWDMS) Application Servers from Windows Server 2008 instances to Windows Server 2016 before Microsoft discontinued support, thus alleviating the risks associated with hosting a business-critical application on legacy software.

The Solution

The Integrated Waste Data Management System (iWDMS) in Leicestershire County Council was made up of two application servers - one situated on the internal Leicestershire County Council network and one situated in the demilitarized zone (DMZ) – and a single database server.

Leicestershire County Council opted to move to the latest version of Windows Server and SQL Server and migrate current applications to a newer Microsoft supported platform. Technical analysis of the structure and configuration of the database environment ensured it was feasible to migrate the data.

Once the applications were verified to be fully functional on the latest Windows Server version, and when connectivity and interaction between key components was tested and verified, the new application and database servers were switched with the existing servers. New maintenance plans were applied to ensure the database would perform optimally in the new SQL Server instance.

The project was a collaborative effort in which OpenSky’s project and development team worked closely with Leicestershire County Council's networking and business teams.

Key Features & Benefits

DATABASE ENVIRONMENT ANALYSIS

DATA MIGRATION TO NEW SQL VERSION

TECHNICAL ANALYSIS & CONFIGURATION

MAINTENANCE PLANS

IMPROVED SECURITY

Maintaining web applications and associated databases on supported versions of Microsoft Windows Server and Microsoft SQL Server platforms ensures continued security.

FULLY COMPLIANT

Microsoft Windows and SQL Server 2016 will remain fully compliant as it receives ongoing patching by Microsoft to prevent cyberattacks and data breaches.

ENHANCED SYSTEM PERFORMANCE

Migrating/upgrading to newer versions of Microsoft improves web application performance and takes advantage of the latest functionality.

SCALABLE

Newer versions of Microsoft SQL Server introduce innovations that include high-availability features, scalability, and better management.

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Head Office

OpenSky Data Systems, Kildare, Ireland
Website: openskydata.com
Email: info@openskydata.com | Phone: +353-45-855675

International Offices

OpenSky Data Systems, Katowice, Poland
OpenSky Data Systems, Poznan, Poland
OpenSky Data Systems, Karnataka, India