

# Ministry of Justice of Poland

*IBM Client Reference Materials*

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## Solution synopsis

A government ministry in Poland strengthens the availability of its information and encourages improved business continuity when it works with IBM Global Technology Services - Integrated Technology Services to put in place a second data center using IBM System z operating in a GDPS, IBM BladeCenter, IBM Tivoli, IBM WebSphere and IBM information management technology

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## Client information

**Client name:** Ministry of  
Justice of Poland  
**Location:** Warsaw Poland  
**Industry:** Government

**Integrated/Aligned Account**  
**Geography/IOT/GMU:** Europe IOT  
**Region/IMT/GMT:** Central and Eastern Europe  
IMT; Poland Region

### Focus area:

Business Continuity, Business Resiliency, High Availability, BA - Risk Analytics, Information Integration, Cloud & Service Management, Service Management, Information Governance, SmartCloud - Services, System z Software, SmartCloud, IIG - InfoSphere Information Server, IIG - InfoSphere Guardium, Data Management - DB2, CSI - z-Series; Host

### Client background:

A national agency headquartered in Warsaw, the Ministry of Justice of Poland is the government organization charged with administration of the national legal system. The ministry, headed by the attorney general of the Republic of Poland, oversees the country's judges, public prosecutors, notaries, legal advocates, sworn translators and

administrators responsible for overseeing the enforcement of penalties and educative measures that result from court decisions.

**URL:** <http://www.ms.gov.pl/en/>

**Project start:** 04/2009

**Project end:** 12/2009

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## Special handling instructions

The client has agreed to be a reference for sales situations. The status of any installation or implementation can change, so you should always contact the Primary Contact or Additional Contact named in the reference prior to discussing it with your client.

Any public use, such as in marketing materials, on WWW sites, in press articles, etc., requires specific approval from the client. It is the responsibility of the person or any organization planning to use this reference to make sure that this is done. The IBM representative will, as appropriate, contact the client for review. You should not contact the client directly.

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## Business need

The Ministry of Justice of Poland wanted to improve the availability and resiliency of its IT architecture. In the past, the organization had centralized all of its operations from a single data center facility, and the ministry realized that if it were to employ a two-site operating strategy, it could better protect its technology assets. In addition, by putting in place a second data center, the organization would be able to manage additional operating capacities, allowing it support for data growth and new functionalities, such as online services.

While considering the creation of this second facility, the ministry also chose to deploy a new SAP solution to support its back-office operations.

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## Solution implementation

Having been a longtime user of IBM hardware and software - particularly IBM System z technology - the Ministry of Justice of Poland chose to work with IBM Global Technology Services – Integrated Technology Services for the setup of its new data

center location. The IBM staff put in place a new IT architecture at a second facility, helping the client migrate some of its IT systems to the new environment.

The SAP solution includes a number of application modules targeted for public service agencies, including SAP Financial (FI), SAP Controlling (CO) and SAP Public Service Financial Management (PS-FM) software. In an effort to drive efficiency within its stores of SAP-generated data, the Ministry of Justice of Poland also deployed:

- IBM DB2 Administration Tool for z/OS V7.2 software
- IBM DB2 Cloning Tool for z/OS V2.2 technology
- IBM Object Comparison Tool V7.2 software
- IBM Object Restore V2.1 technology
- IBM LOG Analyzer Tool V3.1 software
- IBM Audit Management Expert V2 software
- IBM SQL Performance Analyzer V3.2 technology
- IBM Infosphere Replication Server for z/OS Q Replication V9.5 software.

The IBM team deployed the new SAP applications on a fleet of IBM BladeCenter HS22 servers running the Microsoft Windows operating system. Presently, the ministry is relying on a total of 12 IBM servers hosted in a pair of IBM BladeCenter H chassis. At the same time, the Integrated Technology Services team helped the Ministry of Justice of Poland update its existing IBM mainframe environment to IBM System z10 Business Class (z10 BC) servers to support the organization's new SAP systems and related databases.

Wanting to encourage increased resiliency across the two locations, the IBM staff configured the IBM System z hardware to operate in a geographically dispersed parallel sysplex (GDPS). This structure, along with IBM Peer-to-Peer Remote Copy (PPRC) technology, automates data replication between the facilities.

To further improve the performance of these sites, the ministry also put in place IBM Tivoli NetView for z/OS V5.4 and IBM Tivoli System Automation for z/OS V3.2 software to manage operations at the two facilities. And IBM Tivoli OMEGAMON software allows the client's technology staff to monitor the behavior of individual infrastructure components. Altogether, the Ministry of Justice of Poland put in place the following Tivoli applications:

- IBM Tivoli OMEGAMON XE for CICS on z/OS V4.2.0 software
- IBM Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS V5.1.0 software
- IBM Tivoli OMEGAMON XE for Mainframe Networks V4.2.0 technology
- IBM Tivoli OMEGAMON XE for Messaging on z/OS V7.0.1 software
- IBM Tivoli OMEGAMON XE for Storage on z/OS V4.2.0 technology
- IBM Tivoli OMEGAMON XE on z/OS V4.2.0 software

Accompanying its desire to improve the availability of its new SAP systems, the ministry

also took measures to improve the accessibility of this information. The organization implemented IBM InfoSphere Replication Server for z/OS Q Replication V9.5 software to support replicas of the SAP data accessed by various departments within the Ministry of Justice. And the agency deployed IBM WebSphere Application Server for z/OS V6.1, IBM WebSphere Message Broker for z/OS V6.1 and IBM WebSphere MQ for z/OS V6.1 software to integrate these SAP systems with the ministry's Web systems, extending data access to online users.

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## **Benefits of the solution**

By working with IBM Global Technology Services - Integrated Technology Services, the Ministry of Justice of Poland modernized its hardware and software infrastructure and increased business process efficiency, availability and storage protection, thanks to its new dual-site architecture. The new operating environment offers improved recovery capabilities, boasting a recovery point objective of no data loss and a recovery time objective of less than one hour.

The IBM hardware, including the IBM System z and IBM BladeCenter servers, offers the Ministry of Justice of Poland increased operating capabilities and superior performance. And the IBM Tivoli and IBM information management tools offer the organization the ability to automate both data center and database management responsibilities, streamlining efficiencies and simplifying oversight.

## **How did IBM win the Business?**

IBM offered a unique, end-to-end solution that incorporated IBM hardware and software.

## **Solutions/Offerings**

### **Hardware:**

BladeCenter: BladeCenter HS22; BladeCenter H Chassis; BladeCenter running OS - Windows

System z: System z: System z10 Business Class (z10 BC); System z: System z running z/OS

### **Software:**

Information Management: InfoSphere Guardium S-TAP for DB2 on z/OS; InfoSphere Guardium S-TAP for DB2 on z/OS; InfoSphere Replication Server for z/OS (Q Replication); InfoSphere Information Server; DB2 Administration Tool for z/OS; DB2 Cloning Tool for z/OS; Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS;

DB2 Log Analysis Tool for z/OS; DB2 Object Comparison Tool for z/OS; DB2 Object Restore Tool for z/OS; DB2 SQL Performance Analyzer for z/OS

System z Software: DB2 Administration Tool for z/OS; DB2 Cloning Tool for z/OS; DB2 Log Analysis Tool for z/OS; DB2 Object Comparison Tool for z/OS; DB2 Object Restore Tool for z/OS; DB2 SQL Performance Analyzer for z/OS; Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS; InfoSphere Guardium S-TAP for DB2 on z/OS; InfoSphere Replication Server for z/OS (Q Replication); Tivoli NetView for z/OS; Tivoli OMEGAMON DE on z/OS; Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS; Tivoli OMEGAMON XE for Mainframe Networks; Tivoli OMEGAMON XE for Messaging for z/OS; Tivoli OMEGAMON XE for Storage on z/OS; Tivoli OMEGAMON XE for WebSphere Application Server on z/OS; Tivoli System Automation for z/OS; Tivoli OMEGAMON XE on z/OS; WebSphere Application Server for z/OS; WebSphere Message Broker for z/OS; WebSphere MQ for z/OS; WebSphere on z/OS

Tivoli: Tivoli OMEGAMON XE for Mainframe Networks; Tivoli OMEGAMON XE for Messaging for z/OS; Tivoli OMEGAMON XE for Storage on z/OS; Tivoli OMEGAMON XE on z/OS; Tivoli OMEGAMON DE on z/OS; Tivoli System Automation for z/OS; Tivoli NetView for z/OS; Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS; Tivoli OMEGAMON XE for WebSphere Application Server on z/OS; Tivoli OMEGAMON DE on z/OS; Tivoli OMEGAMON XE for Mainframe Networks; Tivoli OMEGAMON XE for Messaging z/OS; Tivoli OMEGAMON XE for Storage on z/OS; Tivoli System Automation for z/OS; Tivoli OMEGAMON XE on z/OS

WebSphere: WebSphere Application Server for z/OS; WebSphere on z/OS; WebSphere Message Broker for z/OS; WebSphere MQ for z/OS

## **Services:**

IBM Global Technology Services - Integrated Technology Services: GTS ITS Middleware: Service Management Implementation Services; GTS ITS Middleware: SOA Integration Services; GTS ITS BCRS Managed Resiliency Services; GTS ITS Site & Facilities: IT Facilities Consol. & Relocation; GTS ITS Server: Server Product Services for System z; GTS ITS Server: Server Product Services for System x; GTS ITS Server: Server Optimization & Integration Services; GTS ITS Storage & Data: Storage & Data Product Services; GTS Enterprise Services; GTS Data Center Services

## **Solutions:**

Global Alliances Marketing and Communications (i.e. Oracle / SAP / Microsoft): SAP ERP