



Ministry of Justice
London, United Kingdom
www.justice.gov.uk

Industry:

Public Sector

Annual Revenue:

US\$13.9 billion

Employees:

77,000

Oracle Products & Services:

Oracle Database Enterprise Edition
Oracle Diagnostics Pack
Oracle Tuning Pack
Oracle Partitioning
Oracle Advanced Compression
Oracle Advanced Security

Oracle Partner:



Beyond Systems
www.wegobeyond.co.uk

“Upgrading to Oracle Database 11g Enterprise Edition and deploying Oracle’s advanced database management tools has improved performance and security in addition to mitigating risk for this key system, holding highly sensitive data.” – Robin Moore, Senior Research Officer, National Offender Management Service, Ministry of Justice

U.K.’s Ministry of Justice Boosts Performance and Strengthens Security of National Offender Database

The Ministry of Justice is one of the largest government departments in the United Kingdom. Within the Ministry of Justice, the National Offender Management Service (NOMS) is an executive agency that brings together the headquarters of the Probation Service and HM Prison Service. Responsible for protecting the public and reducing reoffending, NOMS manages offenders in England and Wales throughout their entire sentences, assisted by the Offender Assessment System (OASys).

Challenges

- Improve overall performance of data loading, analysis, and extraction within the OASys Data Evaluation and Analysis Team (O-DEAT) database
- Ensure that the O-DEAT database is able to comfortably handle an expected growth of 750,000 assessments year-over-year—representing a 25% increase in database size in the first year
- Enable a team of criminologists, forensic psychologists, and researchers to carry out quantitative and qualitative analysis on offender data to produce relevant, up-to-date reports
- Strengthen database security to protect more than 3 million offender assessments from 42 probation areas and 132 prisons

Solution

- Worked with Beyond Systems to upgrade to Oracle Database 11g Enterprise Edition, speeding processing times by 30%
- Improved security with Oracle Advanced Security’s transparent data encryption to safeguard O-DEAT’s sensitive data against unauthorized access through theft of hardware or backup media
- Improved access times to key offender tables by 30% with Oracle Partitioning—freeing up time to carry out more sophisticated searches to identify trends in criminal behavior
- Increased detailed analysis of offender intervention program effectiveness, to ensure optimum use of government resources
- Saved one day per month in IT administration time via automation and increased productivity through better availability and performance of the database
- Reduced the overall database storage footprint and backup capacity with Oracle Advanced Compression