

Intelligence Software as a Self-Service Data Analysis Platform for the CTBTO

Business Intelligence (BI), as a collection of software, strategies, processes and services that support decision making in an enterprise has received a lot of attention in recent years. Some BI technologies have been around for more than a decade. They are normally packaged with all larger relational database management systems and include On-line Analytical Processing capabilities as well as data warehouse solutions and supporting tools, such as Extract-Transform-Load capabilities. Newer techniques include Complex Event Processing and advanced data analytics that make machine learning algorithms and tools (clustering, decision trees, neural networks, and others) available for main-stream use. Advanced reporting capabilities, another BI component, are an essential ingredient in self-service capabilities, the ability for end-users to perform relatively sophisticated data analysis operations, using intuitive, interactive tools, without the involvement of IT specialists or data analysts. This poster explores the applicability of BI suites from some of the leaders in the field (e.g. Tableau Software, Qlik, Microsoft), to provide self-service data analysis capabilities to IDC staff for performance monitoring purposes, as well as to external stakeholders who are not familiar with CTBTO database schemas, such as vDEC users and Authorized Users from Member States.

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