Oracle Analytics Server

Data Sheet

Oracle Analytics Server is an on-premises self-service visualization and augmented artificial intelligence (AI) analytics platform. It provides a full range of capabilities including AI that quickly surfaces key insights in your datasets, data enrichment features that automatically recommend new elements for analysis, machine learning (ML) capabilities for both traditional and citizen data scientists, and stunning data visualizations for your dashboards with pixel perfect reporting.

Built on a proven and modern technological foundation, it supports the highest workloads and most complex deployments while providing timely insights to users across an enterprise at a low overall total cost of ownership. Organizations can now modernize their analytics platform by providing easy-to-use interfaces for all users who need to access curated data, self-serve by importing or blending data, perform analysis, or distribute reports securely via mobile, tablet, and all modern browsers.

Customers that chose this self-managed on-premises or private cloud deployment can manage upgrades on their schedule and implement customization options such as custom skins/styles, metadata, messaging, and more. Oracle Analytics Server is an effortless upgrade option for existing Oracle Business Intelligence Enterprise Edition customers.

KEY FEATURES:

- Self-service data visualization capabilities
- Augmented analytics with Explain
- Machine Learning in Data Flows
- Data Enrichment capabilities
- Natural Language Query
- Powerful geospatial mapping and visualization
- Pixel perfect enterprise reporting
- Common Enterprise Information Model

ORACLE®

ORACLE ANALYTICS SERVER – FUNCTIONALITY AT A GLANCE

- **Augmented Analytics:** Oracle Analytics Server powers deeper insights by embedding machine learning and AI into every aspect of the analytics process, making your job easier than ever. From smart data preparation to data discovery, your overall experience is significantly enhanced. Behind the scenes, Oracle Analytics Server runs clusters, classifications, and correlations to discover insights. With a single click, these stunning visualizations can be built into a dashboard. The user experience is also simplified with modern conversation-style analytics powered by natural language processing.

- **Data Enrichment**: Oracle Analytics Server data enrichment capabilities auto-recommend data elements including values needed for time analysis, geospatial values for mapping, obfuscating high-risk values (social security, credit card numbers, etc.), pattern recognitions within data for categorizing elements, and integrated machine learning to enrich datasets with algorithms for insights. These enrichment capabilities introduce intelligent recommendations.

- **Machine Learning**: Oracle Analytics Server offers extended ML design capabilities. It covers the full cycle of ML processes, allows direct uptake of any custom algorithm scripts, addressing the need of both traditional data scientists, citizen data scientists, and data analysts. The collaborative value of Oracle Analytics Cloud between these profiles dramatically increases the efficiency of the ML model design and implementations, and allows immediate deployment of models in operational context.

- **Interactive Dashboards**: A starting point for analysis and insight by users, the dashboards solution provides an interactive collection of insights and reports with a rich variety of visualizations. Users can drill, pivot, and filter their data directly on a dashboard, while a rich set of prompts and powerful right-click interactions open up even more advanced analysis capabilities. Users see information filtered and personalized based on their identity, function, or role processed via predefined security rules. Alerts, guided navigation links, and actions accelerate exception-based discovery of insight. Users are a single click away from other interfaces in the suite if needed: exporting data to various MS Office formats, opening a strategy map, or adding content to a list of favorites for quick access.

- **Ad Hoc Analysis and Interactive Reporting**: Providing business users with full ad hoc query and analysis capability, Oracle Analytics Server users can analyze existing data sets from scratch, add new data sources, or modify existing projects in dashboard pages. To free business users from data structure complexity, the metadata layer of Oracle Analytics Server offers a logical view of metrics, hierarchies, and calculations expressed as understandable concepts. Business users can combine data from multiple enterprise information sources without any understanding of physical data storage.

- **Enterprise Analytics**: Organizations need the ability to ensure security and governance of their analytics platform when providing users with accessibility to their corporate data. Users have capabilities to blend data sets and quickly share their analysis in a secured environment. Oracle Analytics Server provides users with tools ranging from data preparation to data discovery that render stunning visualizations that can be organized in interactive dashboards or curated into pixel perfect reports for automated distribution.

KEY BENEFITS:

- Faster time to insights with Explain, an AI engine that uses machine learning to render correlations, distributions, and segmentations in your data.

- Drive innovation; explore and discover new insights by combining structured and unstructured data

- Make insights accessible to anyone, anytime, and anywhere with mobile Business Analytics

- **Proactive Detection and Alerts:** Oracle Analytics Server features a powerful, near-real-time, multistep alert engine that can trigger workflows based on business events and notify stakeholders via their preferred medium and channel. This means that field sales representatives can receive a short message service alert on their cell phone, warehouse managers get a PDF attachment via email, and financial analysts obtain the report as a Microsoft Excel spreadsheet saved to their shared corporate file system.

- **Actionable Intelligence:** The Oracle Analytics Server Action Framework turns insights into actions by providing the ability to invoke business processes from within the dashboards and reports. This is made possible by the integration of business process management technologies within the business intelligence platform. Invoked actions may include initiating a business process, a web service, or simply calling another dashboard or report.

- **Spatial Visualizations**: Any data with spatial attributes (country, state, address, plant location, etc.) can be visualized on various maps visualization with OAS. Maps are fully interactive, truly multi-layered, offer numerous formatting and interaction options and can apply to any custom map layer (office plan, assembly line, etc.). Users have the full complement of multi-touch and gestural interactions as well as the benefits of location intelligence when viewing these map views on the mobile app.

- **Server-Based Query, Reporting, and Analysis:** Oracle Analytics Server generates queries optimized for each data source, appropriately aggregates them, and presents the results to users within a familiar web browser via easy-to-use dashboards and reports.

  – A flexible enterprise metadata layer spans all of your underlying data sources—including big data (like Apache Hadoop), in-memory data sources, packaged applications, and more. This metadata layer has been designed to be truly open, even connecting to existing third-party query and reporting tools against it. Report authors can select desired report criteria for collection, aggregation, and processing, even from disparate data sources. With larger user populations, many queries will have similar content, and the Oracle Analytics Server can intelligently reuse previous query results. Queries can also be scheduled to be pre-run so the results are available upon opening the dashboard.

  – Oracle Analytics Server also includes memory management, and high-throughput data connectivity adapters to allow highly efficient data sourcing and aggregation that minimize data retrieval time. This highly scalable platform with clustering and caching capabilities is at the heart of what drives the other suite components. Powered by a centralized, single, IT controlled metadata layer, Oracle Analytics Server features easy change management—for example, seamless upgrade from a legacy database platform to an Oracle database, or a single click switch from a test system to production.

For more information, visit Oracle.com and the Oracle Analytics Server page.

Safe Harbor Statement:

The preceding is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, timing, and pricing of any features or functionality described for Oracle's products may change and remains at the sole discretion of Oracle Corporation.

CONNECT WITH US

Call +1.800.ORACLE1 or visit oracle.com.
Outside North America, find your local office at oracle.com/contact.

b blogs.oracle.com/oracle   **f** facebook.com/oracle   **y** twitter.com/oracle

Integrated Cloud Applications & Platform Services

ORACLE®

Oracle is committed to developing practices and products that help protect the environment