

ORACLE R ENTERPRISE

KEY FEATURES AND BENEFITS

R FOR THE ENTERPRISE

FEATURES

- Option to Oracle Database Enterprise Edition
- Ability to rapidly develop R code that works on data inside the Oracle Database
- No need to learn SQL
- One step transfer from development to deployment of R models in an enterprise
- Transparent access to database resident data via R objects
- Ability to use R console or any R GUI/IDE
- Comprehensive statistical functionality for in-database computation
- Extend the reach of statistics and advanced analytics through Oracle Business Intelligence (OBIEE) dashboards
- Oracle R Enterprise functions for common statistical procedures: MEANS, FREQ, CORR, UNIVARIATE, RANK, etc.
- Oracle R Enterprise is supported on Oracle Linux and Red Hat Enterprise Linux only

BENEFITS

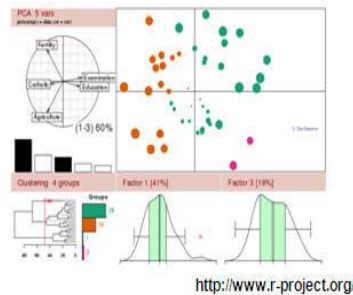
- Combines the strengths and flexibility of open source R with the power, scalability and security of the database
- Eliminate data movement
- Scalable exploratory data analysis for Big Data
- Develop and immediately deploy R Scripts
- Run R packages contributed by the growing R community
- Maintain security during analysis

Oracle R Enterprise makes the popular R statistical programming language and environment ready for the enterprise and big data. Designed for problems involving large amounts of data, Oracle R Enterprise, a component of the Oracle Advanced Analytics Option, enables users to run R commands on database-resident data, develop and refine R scripts, and leverage the parallelism and scalability of the database. Data analysts can run the latest R open source packages and develop and operationalize R scripts for analytical applications in one step—without having to learn SQL.

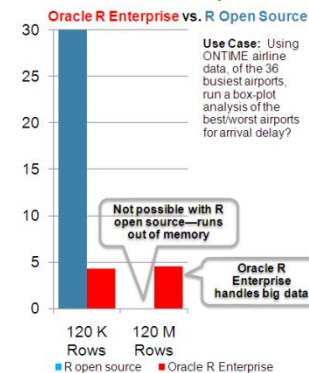
R for the Enterprise

By leveraging the strengths of database, Oracle R Enterprise integrates the advantages of R with the power and scalability of the Oracle Database. Oracle R Enterprise, a component of the Oracle Advanced Analytics Option, makes Oracle tables/views accessible to the R environment as if they are native R objects and transparently leverages the massive scalability of the database for big data analysis problems.

The R Project for Statistical Computing



Performance Comparison



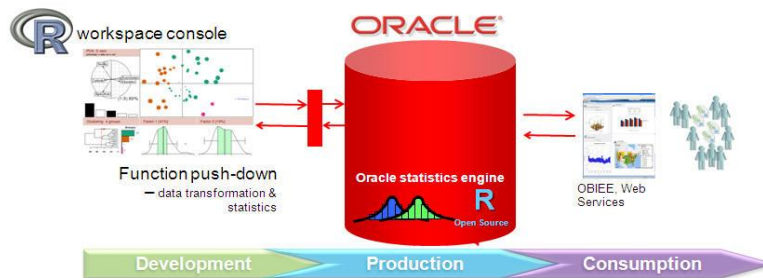
In-Database Processing

Oracle R Enterprise allows data analysts and application developers to run R open source and the latest R community contributed R packages inside the database. Oracle R Enterprise pushes R commands to the database and eliminates data movement, maintains security and minimizes latency time from *raw data to actionable information*.

The Oracle Database 11g Release 2 and Oracle R Enterprise support a wide range of statistical techniques for in-database execution of R computations and leverage the strengths of database and the R open source engine on a case by case basis. Data analysts can use their favorite R GUI for exploratory data analysis on big data without

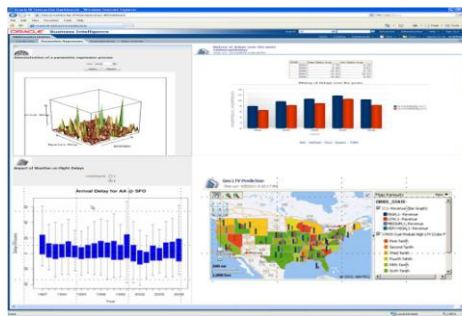
learning SQL. Data analysts can focus on problem solving instead of struggling with data access and dealing with data volume challenges.

Users can use analytical sandboxes where they can analyze data and develop R scripts for deployment; results stay managed inside the Oracle Database. Open source R community contributed packages are supported. Users load the R package into R running in the database. The database provides parallel streams of data as input to the R package to work on in parallel and generate results. For R users used to working with file extracts, Oracle R Enterprise enables a gradual migration towards a database centric architecture. R users can push data from their desktop R to the database and use models developed on desktop on database resident data.



Business Intelligence and Advanced Analytics integrated

Oracle R Enterprise enables graphical, analytical, and statistical insights to be deployed throughout the enterprise using Oracle Business Intelligence Enterprise Edition (OBIEE). Parameters controlling R models can be passed as run-time arguments to programmatically update OBIEE dashboards and applications.



Contact Us

For more information, please visit <http://www.oracle.com/technetwork/database/options/advanced-analytics/r-enterprise/index.html> or call +1.800.ORACLE1 to speak to an Oracle representative.



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