Industry’s Most Capable Big Data, Big Analytics Platform

Discover the fastest, most cost-effective, enterprise-class, Big Data, Big Analytics software available. With high-performance advanced analytics, Revolution R Enterprise (RRE) unlocks the insight hidden in Big Data with the power of the R language.

Unleash Open Source R

R is the most widely used statistical language today: It’s the #1 choice of data scientists with more than two million users worldwide. Top university talent is graduating with R skills, ready to help global enterprises innovate and realize value from Big Data.

With a variety of data visualization, statistical analysis, predictive modeling and machine learning capabilities, Revolution R Enterprise offers the best of both worlds. Get cost-effective and fast Big Data analytics, and full compatibility with the R language: the de facto standard for modern analytics users.

Write Once, Deploy Anywhere

Revolution R Enterprise provides transparent in-Hadoop and in-Database capability for leading Hadoop distributions, enterprise data warehouses and clustered servers. By running R analytics inside enterprise-scale parallel platforms, RRE maximizes Big Data performance while capitalizing on today’s IT infrastructure investment.

With many data and compute environments in use, IT teams can mix, match and migrate analytics to the best platform for the job.

Revolution R Enterprise gives organizations the choice to deploy the same code in a wide variety of data management platforms—such as Hadoop, enterprise data warehouses, grids, clusters, servers and workstations—which safeguards current and future investment in advanced analytics as underlying database platforms continue to evolve.

Supported Platforms

In-Hadoop Processing
- Hortonworks HDP 1.3
- Cloudera CDH3/CDH4

In-Database Processing
- Teradata Database
- IBM PureData System for Analytics (base R capabilities only)

Clusters/Grids
- IBM Platform LSF
- Microsoft HPC Server

Servers
- Red Hat Enterprise Linux
- SUSE Linux Enterprise Server
- Windows Server

Workstations
- Windows
- Red Hat Linux

Join the R Revolution at revolutionanalytics.com.

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High-Performance, Advanced Analytics

Unlock the power of R with the innovative extensions of Revolution R Enterprise ScaleR. Speed up computations and optimize multi-core hardware and multi-threaded execution. Eliminate memory constraints with high-performance disk-based data objects and streaming data connections. Scale dozens of R functions for data processing, descriptive statistics, data visualization, and predictive modeling to Big Data with parallel external-memory algorithms (PEMAs) from Revolution Analytics.

Rapid Development, Faster Decisions

Building and testing R scripts to deliver Big Data analytics is easier with Revolution R Enterprise DevelopR, an easy-to-use Interactive Development Environment (IDE) for quickly building and debugging R scripts.

With Revolution R Enterprise DeployR, data scientists can publish R analytics to a secure server, and expose them to apps via a developer-friendly Web Services API. Supercharge the spreadsheets, BI dashboards, and business apps your decision makers are already using with the power of R—in real time.

Deliver secure R analytics across the enterprise with Revolution R Enterprise DeployR

- Extend Tableau, QlikView, Microsoft Excel, Jaspersoft and other business user applications with R-based analytics.
- API supports all application programming languages including Java, JavaScript and .NET.
- Dynamically scale operating capacity with on-demand load balancing and scheduling support.
- Secure web services integrate seamlessly with existing enterprise security solutions.
- Single Sign-On, LDAP, Active Directory, PAM, and Basic Authentication support.
- Enforce IT-defined access privileges, or safely support public users.

Enterprise Assurance

By embracing open source R, and then further testing and validating each new revision, Revolution R Enterprise validates stable, proven releases of R for deployment. Technical support, consulting and training services from Revolution Analytics provide the expertise and confidence to integrate R into mission-critical production applications.

Try Revolution R Enterprise today!

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