

Revolution R Enterprise 6.1 for IBM PureData System for Analytics README

Big Data and Big Analytics open an entirely new opportunity for data-driven organizations. Data sets that were previously unmanageable are now opening up worlds of possibility due to flexible and powerful platforms to manage the scale and complexity associated with crunching massive data. Now with the capacity, reliability and productivity enhancements of Revolution R Enterprise for IBM PureData System for Analytics, organizations will be able to perform a wide-range of functions that others simply cannot. Advanced R computations are available for rapid analysis of hundreds of terabyte-class data volumes—and can deliver 10-100x performance improvements at a fraction of the cost compared to traditional analytics vendors.

Here's how these solutions work together:

- IBM Netezza Analytics comes with every IBM PureData System for Analytics appliance. Revolution R Enterprise 'plugs-in' to IBM Netezza Analytics to consolidate all analytics activity into a single appliance. Many algorithms have been optimized to run in parallel on the IBM PureData System for Analytics appliance.
- Revolution R Enterprise brings high-performance, enterprise-readiness and support to R along with the ability to integrate advanced analytics into BI front-ends or Microsoft® Excel™. These extensions to the already-powerful R allow Revolution R Enterprise to have a significant impact across all functions in an organization.
- IBM Netezza data warehouse appliances architecturally integrate database, server and storage into a single, purpose-built, easy-to-manage system that minimizes data movement, thereby accelerating the processing of analytical data, analytics modeling and data scoring. It delivers exceptional performance on large-scale data, while leveraging the latest innovations in analytics.

Revolution R Enterprise 6.1 for IBM PureData System for Analytics features open source R 2.14.2, together with the Intel Math Kernel Library for improved performance of many matrix-based computations.

Installation instructions are provided in your confirmation e-mail.

What's New in Revolution R Enterprise 6.1

- Update to Open Source R 2.14.2
- Support for IBM Netezza Analytics 2.5.0
- Conversion to 64-bit R
- New R wrappers for stored procedures GLM and TIMESERIES in package nza as nzGlm and nzTs.

Known Issues

- Working databases must be INZA-enabled with admin privileges to allow some stored procedures to complete without error.
- The nzInstallPackages does not currently install packages to the SPUs.

- The nzLibrary package is missing from this release.