

Teradata and RStudio

BIG DATA ANALYTIC SOLUTION



Introduction

In today's fast-moving information age, companies are managing more data than ever before. Traditional statistical and business intelligence tools are expensive and inflexible—especially for those who need cutting-edge data analysis, including marketing organizations, life sciences industries, quantitative finance entities, and insurance companies.

R is the increasingly preferred language for data analysis, and Teradata has a comprehensive solution for data analysis, including Aster R and the massively parallel and scalable Teradata Aster Analytic solution.

RStudio is the leading integrated development environment (IDE) for R. RStudio Server Pro adds valuable security, high availability, performance tuning, collaboration, and IT administrative features not available in the RStudio desktop product.

An RStudio Server Pro solution lets users:

- Better manage their R development environment by enabling shared access to powerful computer resources (e.g., memory, processors, etc.) and providing load balancing for high availability
- Securely access their R code from any computer in any location
- Increase productivity with features designed to better allocate computational resources
- Integrate with their current IT reporting, identity, and data management products

Together, RStudio and Teradata offer a unique solution to enterprise-scale analytic challenges unmatched by traditional analytics solutions with the RStudio open source desktop IDE.

The Teradata/RStudio Connection

RStudio includes a console, syntax-highlighting editor that supports direct code execution and tools for plotting, history, debugging, and workspace management. As nearly two million R developers know, RStudio is available for free as an AGPL licensed open source IDE on Windows, Mac, and Linux.

However, for many R developers with enterprise-scale analytic challenges, a commercially licensed and supported server-based IDE that brings computational resources closer to data and adds features that enhance security, availability, collaboration, performance, and manageability is a basic requirement.

Designed for enterprise-scale analytic challenges, RStudio Server Pro is accessed by a browser connected to a physical or virtual machine running Debian/Ubuntu, RedHat/CentOS, or SUSE Linux.

When used with Teradata Aster Analytics, RStudio Server Pro customers benefit from:

- The ability to reveal innovative business insights faster than ever
- A massively parallel and scalable production quality solution to any size data analysis challenge
- Access to Aster Analytic portfolio through an R interface
- Extraordinary support for R development projects

Conclusion

By providing open source and enterprise-ready professional software for the R statistical computing environment, RStudio and Teradata are enabling global organizations to fully participate in a society that rewards—and thrives on—data literacy.

TERADATA.



Teradata helps companies get more value from data than any other company. Our big data analytic solutions, integrated marketing applications, and team of experts can help your company gain a sustainable competitive advantage with data. Teradata helps organizations leverage all their data so they can know more about their customers and business and do more of what's really important. Visit Teradata.com.

Open Source | Enterprise Ready

RStudio offers open source and enterprise-ready tools for the R computing environment. We are inspired by the people who use our products to understand and improve the world through data analysis. To learn more about RStudio, visit <https://www.rstudio.com/>.

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