

## What does R do?

The open source statistical programming language R, or a commercially supported version of it from one of several vendors, and open source R packages found on the Comprehensive R Archive Network (CRAN), are used to analyze data.

## What does RStudio do?

RStudio makes open source and enterprise-ready professional products for people who analyze data using R and R packages. While most of our software is free, we have two flagship products designed for enterprise use:

- **RStudio Server Pro** is an integrated development environment (IDE) used to create programs with R. It is installed on a linux server and accessed by R users via a browser.
- **RStudio Connect** is a publishing platform for R users to share R programs with anyone, including plots, reports, dashboards, notebooks, documents, and interactive web applications. It is installed on a linux server. RStudio IDE users can publish their work to RStudio Connect from within their IDE. Anyone with access to RStudio Connect and the right permissions can use the work RStudio IDE users have shared with them.

Together, RStudio Server Pro and RStudio Connect enable an enterprise-ready professional data science platform for all the work your colleagues create in R and for all the people who consume it.



## Technical Questions & Answers

	Question	Answer	Reference
System Requirements	What Operating Systems are supported?	Linux	<a href="#">1.1 System Requirements</a>
	Which Linux Distributions are supported?	RedHat (6.0+, 7.0+) CentOS (6.0+, 7.0+) and Ubuntu (12.04, 14.04 & 16.04).	<a href="#">1.1 System Requirements</a>
	What are the minimum hardware requirements?	Minimum recommended requirements are 4 GB of RAM and 2 cores.	<a href="#">Support Document- What are the system requirements for RStudio Connect?</a>
	What level of access does Connect need to run and install?	Connect requires 'root' access for running and installation.	<a href="#">1.1 System Requirements</a>
	Which web browsers are supported?	Chrome, Safari, Firefox, IE 10, IE 11 and MS Edge	<a href="#">1.1 System Requirements</a>
Installation and Configuration	What are the steps to installing and setting up the server?	Download and install R and RStudio Connect, and then configure authentication and email.	<a href="#">2 Getting Started</a>
	Are there any considerations when using RedHat or CentOS?	Yes, for 6.0+ there may be a need to point the OS to the Extra Packages for Enterprise Linux (EPEL).	<a href="#">2.1.2 RedHat/CentOS (6.0+)</a>
	We will use Ubuntu 16.04 or RedHat (CentOS) 7+; what will Connect use to start and stop?	Connect will use 'systemd'.	<a href="#">2.2.1 systemd (RedHat/CentOS 7, Ubuntu 15.04+)</a>
	We will use Ubuntu 14.04 , 12.04 or RedHat (CentOS) 6; what will Connect use to start and stop?	Connect will use 'Upstart'.	<a href="#">2.2.2 Upstart (Ubuntu 12.04 through 14.10, RedHat 6)</a>
	How do I activate my RStudio Connect license?	This is done by running a one line command.	<a href="#">3 Licensing &amp; Activation</a>
	How many Connect configuration files will I need to get familiarized with?	One, found in /etc/rstudio-connect/rstudio-connect.gcfg.	<a href="#">2.3.1 Editing the Configuration File</a>

	Question	Answer	Reference
Installation and Configuration	What port does Connect use to interact with end-users?	By default, Connect uses port 3939, but it can be moved to a more standard port like port 80.	<a href="#">2.3.3 Sign In!</a>
	How do I configure email in Connect?	After signing in, email can be set up under the Admin>Settings section of the site.	<a href="#">2.3.4 Email Sending</a>
Audit and Authentication	Does Connect have activity audit capabilities?	Yes, Connect tracks over a dozen different administrative activities	<a href="#">6.2 Audit Logs</a>
	Which authentication methods does Connect support?	LDAP, Active Directory (AD), Google OAuth 2.0, Pluggable Authentication Module (PAM) and Proxied Authentication. Connect also comes with a built in authentication method.	<a href="#">7 Authentication</a>
	Does Connect support Kerberos?	Not in the present version. It is planned for a future release.	
	Can I restrict who can login into Connect as a whole?	Yes, if using AD or LDAP, Connect will accept a White List of groups that can logon.	<a href="#">7.2.3.13 WhitelistedLoginGroup</a>
	Does connect come with default security roles?	Yes, there are 4. They are: Administrator, Publisher, Viewer and Anonymous.	<a href="#">8 Authorization</a>
R and Package management	Does Connect support multiple versions of R?	Yes, multiple versions of R can be installed in predetermined locations in the server. Connect will automatically either use the same version of R as the app or RMarkdown, or will attempt to use a version that's close.	<a href="#">11.3 R Version Matching</a>
	How does Connect handle different versions of R packages?	During publishing Connect bundles all of the relevant source code and dependencies, including the packages used in the app or document.	<a href="#">12.1 Package Installation</a>
	Does Connect support Private Repositories?	Yes, if correctly configured no adjustment to Connect is needed. No support is yet available for private GitHub repositories.	<a href="#">12.2 Private Repositories</a>
	How does Connect handle Private Packages?	The package can be placed in a local directory, and then referenced in Connect via the configuration option Server.SourcePackageDir. Connect will look for the package in that directory before attempting to download it.	<a href="#">12.3 Private Packages</a>
	Does Connect allow you to use a different service account from the default 'rstudio-connect'?	Yes, this is done via the Applications.RunAs property.	<a href="#">9.3 User Account for R Processes</a>
	Can I make the path to the app reader friendly?	Yes, Connect has a feature called Vanity Paths.	<a href="#">10.1 Vanity Paths</a>
	Can a Publisher give access to a document or app to groups instead of individuals?	It depends on the chosen authentication method. Please see the Authentication Method Capabilities section for more information.	
Content Management & Monitoring	Does Connect store server metrics?	Yes, they can be viewed in the Connect dashboard. Additional metrics can be exported to Graphite.	<a href="#">13 Historical Metrics</a>

## Authentication Method Capabilities

Authentication Method	Supported	Grant access to content to users who have not previously logged in	Group access to content
LDAP and Active Directory - Single Bind	Yes		
LDAP and Active Directory - Double Bind	Yes	Yes	Yes
Google OAuth 2.0	Yes	Yes*	
PAM	Yes		
Proxied Authentication	Yes		
Connect's built-in authentication	Yes	Yes	Yes

**Single Bind:** LDAP system allows a user account to connect directly to the LDAP directories by entering a username and password

**Double Bind:** LDAP system requires a Bind to Search, and a second Bind to connect to the LDAP directories.

\* Connect only searches within the Google organization of which you are part