# Taking CRAN to the Next Level with Posit Public Package Manager

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# Who is Posit?



Posit's mission is to create open-source software for data science.

Free to the data science community, funded through commercial products designed for teams and organizations.

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# You all know and love CRAN

- CRAN is the official home for over 20,000 R packages

- The biggest reason R has become so popular for data science

- Installing packages "just works" with R's `install.packages()`

# Welcome to **P**osit **P**ublic **P**ackage **M**anager (**P3M**)

- A free, hosted service based on our commercial Posit Package Manager.

- Provides everything in a complete CRAN mirror, plus many additional features.

- Used widely in the R community, with over 40 million package installs each month.

# Differences between CRAN and P3M

| CRAN | Posit Public Package Manager |
|---|---|
| Windows and Mac Binary Packages | Windows, Mac, **and Linux** Binary Packages |
| Binary Packages for current and previous R release | Binary Packages for current plus **4 previous** R releases |
| Latest Versions of Packages only | Full Historic Snapshots |
| | Search and View Package Information |

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# dplyr   A Grammar of Data Manipulation

**dplyr**                                        1.1.4
A Grammar of Data Manipulation

**dplyr.teradata**                            archived
A 'Teradata' Backend for 'dplyr'

**dplyrAssist**                                  0.1.0
RStudio Addin for Teaching and Learning Data
Manipulation Using 'dplyr'

**extdplyr**                                    archived
Data Manipulation Extensions of 'Dplyr' and 'Tidyr'

**multidplyr**                                    0.1.3
A Multi-Process 'dplyr' Backend

**pmdplyr**                                     archived
'dplyr' Extension for Common Panel Data Maneuvers

**spdplyr**                                      archived
Data Manipulation Verbs for the Spatial Classes

All packages displayed

Overview    Readme

A fast, consistent tool for working with data frame like objects, both in memory and out of memory.

INSTALL CODE                                                                    Copy

```
install.packages('dplyr')
```

VERSION
1.1.4

SECURITY
0   VULNERABILITIES

No known vulnerabilities.

ABOUT
https://dplyr.tidyverse.org, https://github.com/tidyverse/dplyr

13   IMPORTS
1   DEPENDS
21   SUGGESTS
3478   REVERSE IMPORTS
135   REVERSE DEPENDS
850   REVERSE SUGGESTS

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MONTHLY DOWNLOADS
318773

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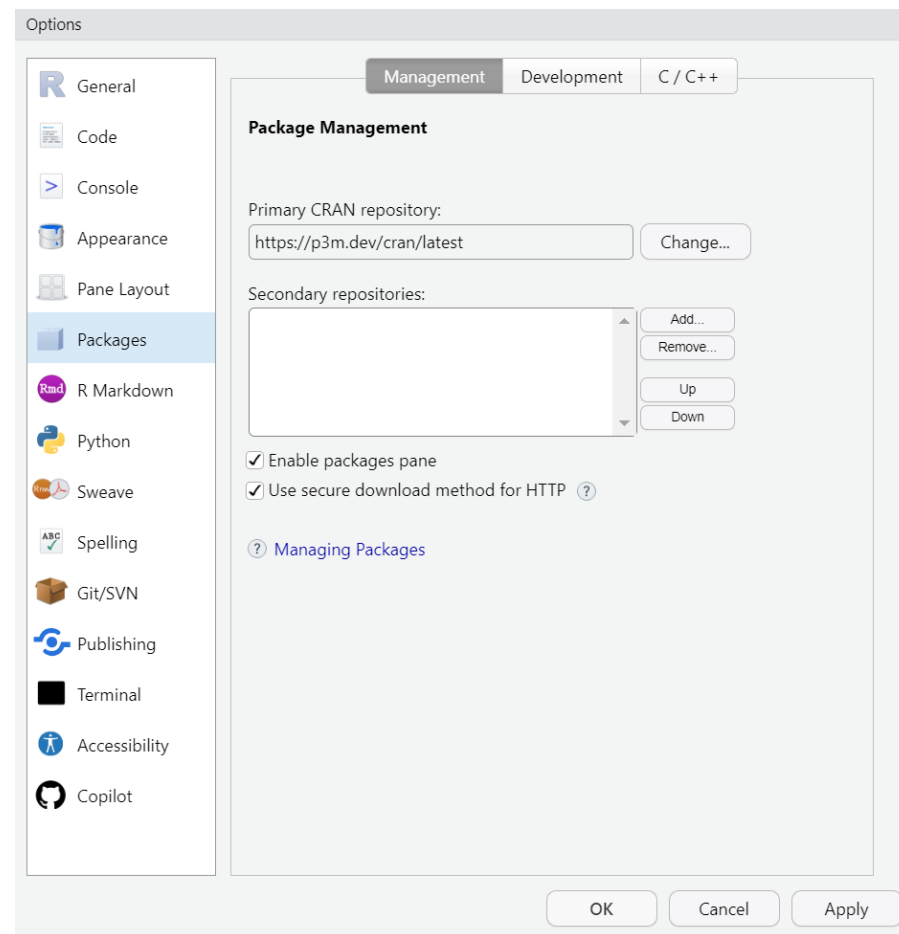
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BUG REPORTS
https://github.com/tidyverse/dplyr/issues

LICENSE
MIT + file LICENSE

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# Using P3M as your CRAN repository

- **`options("repos")`** in R

- RStudio → Global Options → Packages

- Get detailed instructions specifically for your R environment on the Public Package Manager Setup page

P3M CRAN Mirror URL:
**https://p3m.dev/cran/latest**



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# Welcome to Posit Public Package Manager

The best way to discover and install R and Python packages

Repository: cran

Packages in the cran repository

⚙ SETUP

3 repositories | 27,490 CRAN packages | 596,077 PyPI packages | 44,072,051 monthly package downloads

## Get started in three easy steps

1. Select a repository

2. Set up your environment to install packages from the repository

3. Search for the packages you need

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# Try Posit Public Package Manager today!

# p3m.dev

Thank you.