



R PACKAGE FOR DATABRICKS

GETTING STARTED WITH BRICKSTER

Connect to Databricks from R — No ODBC Required

WHAT IS BRICKSTER?

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R-NATIVE DATABRICKS CONNECTIVITY

- **Databricks Labs R Package** — Native R interface to Databricks — connects via REST API, no ODBC driver installation needed.
- **DBI Backend** — Use standard R database interfaces (`dbConnect`, `dbGetQuery`, `dbWriteTable`) with Databricks SQL Warehouses.
- **dplyr / dbplyr Integration** — Write familiar dplyr verbs (`filter`, `group_by`, `summarise`) that translate to Databricks SQL automatically.
- **Unity Catalog API** — Browse catalogs, schemas, and tables programmatically. Manage cluster libraries and workspace resources.



KEY FEATURES



DBI Backend

Standard R database interface — dbConnect, dbGetQuery, dbWriteTable



dplyr / dbplyr

Familiar tidyverse verbs translated to Databricks SQL



Unity Catalog API

Browse catalogs, schemas, and tables programmatically



Cluster Management

Install libraries, manage clusters from R



No ODBC Required

REST API-based — no driver installation needed



RStudio & Posit

Works with RStudio, Posit Workbench, and any R environment

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HOW IT WORKS

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FROM INSTALL TO ANALYSIS IN 5 STEPS

- 1 Install brickster**
Run `install.packages("brickster")` from CRAN. No ODBC drivers, no system dependencies.
- 2 Configure Credentials**
Set `DATABRICKS_HOST` and `DATABRICKS_TOKEN` in your `.Renviron` file. Brickster picks them up automatically.
- 3 Connect via DBI**
Use `dbConnect(DatabricksSQL(), warehouse_id = ...)` to get a standard DBI connection object.
- 4 Explore Unity Catalog**
Browse catalogs, schemas, and tables with `db_uc_catalogs_list()`, `db_uc_schemas_list()`, and `db_uc_tables_list()`.
- 5 Query & Analyse**
Run SQL with `dbGetQuery()` or use dplyr verbs with `tbl()` — `filter`, `group_by`, `summarise`, `collect`.



DPLYR VERBS → DATABRICKS SQL

CODE EXAMPLE

○ ○ ○

```
1 library(brickster)
2 library(DBI)
3 library(dplyr)
4
5 # Connect to Databricks
6 con ← dbConnect(DatabricksSQL())
7
8 # Query with dplyr
9 sales ← tbl(con, "samples.bakehouse.sales_transactions")
10 result ← sales ▷
11 group_by(product) ▷
12 summarise(total = sum(totalPrice)) ▷
13 collect()
```

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TRY BRICKSTER TODAY

`install.packages("brickster")`

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