



R PACKAGE FOR DATABRICKS

GETTING STARTED WITH BRICKSTER

Connect to Databricks from R — No ODBC Required

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.

WHAT IS BRICKSTER?



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DBI Backend

Standard R database interface – dbConnect, dbGetQuery, dbWriteTable



Unity Catalog API

Browse catalogs, schemas, and tables programmatically



No ODBC Required

REST API-based – no driver installation needed



dplyr / dbplyr

Familiar tidyverse verbs translated to Databricks SQL



Cluster Management

Install libraries, manage clusters from R



RStudio & Posit

Works with RStudio, Posit Workbench, and any R environment



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HOW IT WORKS

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.



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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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