

# Package ‘RcppFarmHash’

May 7, 2026

**Type** Package

**Title** Interface to the Google 'FarmHash' Family of Hash Functions

**Version** 0.0.3

**Date** 2023-09-09

**Author** Dirk Eddelbuettel

**Maintainer** Dirk Eddelbuettel <edd@debian.org>

**Description** The Google 'FarmHash' family of hash functions is used by the Google 'BigQuery' data warehouse via the 'FARM\_FINGERPRINT' function. This package permits to calculate these hash digest fingerprints directly from R, and uses the included 'FarmHash' files written by G. Pike and copyrighted by Google, Inc.

**License** GPL (>= 2)

**Imports** Rcpp (>= 1.0.7)

**LinkingTo** Rcpp, RcppInt64

**Suggests** bit64

**URL** <https://github.com/eddelbuettel/rcppfarmhash/>,  
<https://dirk.eddelbuettel.com/code/rcpp.farmhash.html>

**BugReports** <https://github.com/eddelbuettel/rcppfarmhash/issues>

**RoxygenNote** 6.0.1

**Encoding** UTF-8

**NeedsCompilation** yes

**Repository** CRAN

**Date/Publication** 2023-09-09 14:10:02 UTC

## Contents

|                                |          |
|--------------------------------|----------|
| RcppFarmHash-package . . . . . | 2        |
| farmhash . . . . .             | 2        |
| <b>Index</b>                   | <b>4</b> |

---

RcppFarmHash-package    *Interface to the Google 'FarmHash' Family of Hash Functions*

---

### Description

The Google 'FarmHash' family of hash functions is used by the Google 'BigQuery' data warehouse via the 'FARM\_FINGERPRINT' function. This package permits to calculate these hash digest fingerprints directly from R, and uses the included 'FarmHash' files written by G. Pike and copyrighted by Google, Inc.

### Package Content

Index of help topics:

|                      |   |
|----------------------|---|
| RcppFarmHash-package | Interface to the Google 'FarmHash' Family of Hash Functions |
| farmhash             | Compute a 'FarmHash' digest for a vector of strings         |

### Maintainer

Dirk Eddelbuettel <edd@debian.org>

### Author(s)

Dirk Eddelbuettel

---

farmhash                    *Compute a 'FarmHash' digest for a vector of strings*

---

### Description

Compute a 'FarmHash' digest for a vector of strings

### Usage

```
farmhash(sv)
```

### Arguments

sv                    Vector of strings for which a hash digest is requested

### Value

A vector of integer64 values (using the **bit64** package to 'decode' the appropriate binary payload from a numeric vector).

**Examples**

```
if (requireNamespace("bit64", quietly=TRUE)) {  
  suppressMessages(library(bit64))  
}  
farmhash(c("foo", "bar", "baz"))
```

# Index

\* **package**

RcppFarmHash-package, [2](#)

farmhash, [2](#)

RcppFarmHash (RcppFarmHash-package), [2](#)

RcppFarmHash-package, [2](#)