

# Package: ledger (via r-universe)

June 13, 2026

**Type** Package

**Title** Utilities for Importing Data from Plain Text Accounting Files

**Version** 2.1.1

**URL** <https://github.com/trevorld/r-ledger>,  
<https://trevorldavis.com/R/ledger/>

**BugReports** <https://github.com/trevorld/r-ledger/issues>

**Description** Utilities for querying plain text accounting files from 'Ledger', 'HLedger', and 'Beancount'.

**Imports** dplyr (>= 0.7.0), rlang, stringr, tidyr (>= 0.7.0), tibble, tidyselect (>= 1.2.0), tools

**Suggests** rio, testthat (>= 3.0.0)

**Config/testthat/edition** 3

**SystemRequirements** ledger (>= 3.1), hledger (>= 1.2), beanquery or rustledger (>= 0.15.0)

**License** MIT + file LICENSE

**Encoding** UTF-8

**Config/roxygen2/version** 8.0.0

**NeedsCompilation** no

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**Repository** <https://cran.r-universe.dev>

**Date/Publication** 2026-06-12 23:00:02 UTC

**RemoteUrl** <https://github.com/cran/ledger>

**RemoteRef** HEAD

**RemoteSha** 8da82e7a1fa70bfd53d918de304f6311f11091b5

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default_toolchain	<i>Determine default tool chain used for reading in register</i>
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### Description

default\_toolchain determines default tool chain used for reading in register.

### Usage

```
default_toolchain(file)
```

### Arguments

file	Filename for a ledger, hledger, or beancount file.
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net_worth	<i>Compute net worth</i>
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### Description

Computes net worth for a vector of dates. Computes net worth at the beginning of the day before any transactions have occurred.

### Usage

```
net_worth(
  file,
  date = Sys.Date() + 1,
  include = c("^asset", "^liabilit", "^<revalued>"),
  exclude = NULL,
  flags = "-V",
  toolchain = default_toolchain(file),
  ignore_case = TRUE
)
```

**Arguments**

file	Filename for a ledger, hledger, or beancount file.
date	Vector of dates to compute net worth for. For each only the transactions (and price statements) before that date are used in the net worth calculation.
include	Character vector of regular expressions of accounts to include in the net worth calculation. Use ".*" to include everything.
exclude	Character vector of regular expressions of accounts to exclude from the net worth calculation. Use NULL to exclude nothing.
flags	Extra flags to pass to register. If using ledger may want to try something like "-X USD".
toolchain	Toolchain used to read in register. Either "ledger", "hledger", "beancount", "bean-query", or "rledger".
ignore_case	logical value of whether to ignore case in regular expressions or not.

**Value**

net\_worth returns a tibble

**Examples**

```
## Not run:
example_beancount_file <- system.file("extdata", "example.beancount", package = "ledger")
net_worth(example_beancount_file)
net_worth(example_beancount_file, c("2016-01-01", "2017-01-01", "2018-01-01"))

## End(Not run)
```

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prune_coa	<i>Prune plaintext "Chart of Accounts" names to a given maximum depth</i>
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**Description**

prune\_coa is a convenience function that modifies a data frame by either editing in place or making a new variable containing the plaintext "Chart of Accounts" pruned to a given maximum depth e.g. "Assets:Checking:Credit-Union:Account1" at a maximum depth of 2 will be converted to "Assets:Checking". prune\_coa uses tidyverse non-standard evaluation (NSE). prune\_coa\_string is a convenience function which does the pruning operation on character vectors.

**Usage**

```
prune_coa(df, depth = 1, variable, name)

prune_coa_string(x, depth = 1)
```

**Arguments**

df	A data frame
depth	How deep should the account structure be.
variable	Which variable to make less deep (default is to use "account")
name	New variable name (default is to edit the variable argument in place)
x	Character vector

**Examples**

```
df <- tibble::tribble(~account, ~amount,
  "Assets:Checking:BankA", 1000,
  "Assets:Checking:BankB", 1000,
  "Assets:Savings:BankA", 1000,
  "Assets:Savings:BankC", 1000)

prune_coa(df)
prune_coa(df, 2)
prune_coa(df, 3)
prune_coa(df, 4)
prune_coa(df, 2, account, account2)
prune_coa(prune_coa(df, 2, account, account2), 3, account2, account3)
prune_coa_string(df$account, 2)
```

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register

*Import a ledger, hledger, or beancount register*


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**Description**

register imports the register from a ledger, hledger, or beancount file as a tibble.

**Usage**

```
register(file, ..., toolchain = default_toolchain(file), date = NULL)
```

```
register_beancount(file, date = NULL)
```

```
register_bean_query(file, date = NULL)
```

```
register_rledger(file, date = NULL)
```

```
register_hledger(
  file,
  flags = "",
  date = NULL,
  add_mark = TRUE,
  add_cost = TRUE,
```

```

    add_value = TRUE
  )

  register_ledger(file, flags = "", date = NULL)

```

### Arguments

<code>file</code>	Filename for a ledger, hledger, or beancount file.
<code>...</code>	Arguments passed on to either <code>register_ledger</code> , <code>register_hledger</code> , or <code>register_beancount</code>
<code>toolchain</code>	Toolchain used to read in register. Either "ledger" (uses <code>ledger</code> ), "hledger" (uses <code>hledger</code> ), "beancount" (uses <code>bean-query</code> if available, else <code>rlledger</code> ), "bean-query" (uses <code>bean-query</code> from <code>beanquery</code> ), or "rlledger" (uses <code>rlledger</code> from <code>rustledger</code> ).
<code>date</code>	End date. Only transactions (and implicitly price statements) strictly before this date are used.
<code>flags</code>	Character vector of additional command line flags to pass to either <code>ledger csv</code> or <code>hledger register</code> .
<code>add_mark</code>	Whether to add a column with the mark information. Only relevant for hledger files.
<code>add_cost</code>	Whether to add historical cost columns. Only relevant for hledger files.
<code>add_value</code>	Whether to add market value columns. Only relevant for hledger files.

### Value

`register` returns a tibble.

### Examples

```

if (Sys.which("ledger") != "") {
  example_ledger_file <- system.file("extdata", "example.ledger", package = "ledger")
  df1 <- register(example_ledger_file)
  head(df1)
}
if (Sys.which("hledger") != "") {
  example_hledger_file <- system.file("extdata", "example.hledger", package = "ledger")
  dfh <- register(example_hledger_file)
  head(dfh)
}
if (Sys.which("bean-query") != "" || Sys.which("rlledger") != "") {
  example_beancount_file <- system.file("extdata", "example.beancount", package = "ledger")
  dfb <- register(example_beancount_file)
  head(dfb)
}

```

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