

Package: rho.compute (via r-universe)

July 21, 2026

Type Package

Depends R (>= 4.4.0)

Title Rho Mirai Compute Backend

Version 0.0.1.9001

Description Provides typed expression and function-call specifications for asynchronous evaluation in mirai workers. Worker failures resolve as typed error values and language objects are preserved across the promise bridge.

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Encoding UTF-8

Roxygen list(markdown = TRUE)

Imports S7, rho.async (>= 0.0.1.9001), mirai, promises

Suggests tinytest, knitr

Remotes RGenomicsETL/Rho/packages/rho.async

URL <https://github.com/RGenomicsETL/Rho>,
<https://rgenomicsetl.github.io/Rho/rho.compute/>

BugReports <https://github.com/RGenomicsETL/Rho/issues>

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Repository <https://rgenomicsetl.r-universe.dev>

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rho_compute_contracts *Typed compute specifications and the mirai backend*

Description

RhoComputeExpressionSpec carries captured R code plus an explicit named argument list. RhoComputeCallSpec carries a worker function plus explicit arguments, avoiding dynamically injected globals in calling packages. `rho_submit_compute()` is the backend extension point. The convenience functions `rho_mirai_eval()` and `rho_mirai_call()` construct the respective specifications and return RhoMiraiTask values.

Details

Worker failures resolve as RhoComputeErrorValue; they are values that downstream packages may translate through S7 dispatch.

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