

Package: rho.graphics (via r-universe)

July 15, 2026

Type Package

Depends R (>= 4.4.0)

Title Rho Async Graphics Artifacts

Version 0.0.1.9000

Description Renders R graphics asynchronously to declared devices and returns typed artifacts with dimensions, media types, hashes, and provenance. Worker rendering avoids dependence on the active interactive graphics device.

License MIT + file LICENSE

Encoding UTF-8

Roxygen list(markdown = TRUE)

Imports S7, rho.async (>= 0.0.1.9000), rho.compute (>= 0.0.1.9000), digest, grDevices

Suggests tinytest, knitr, ggplot2, svglite, ragg

Remotes sounkou-bioinfo/Rho/packages/rho.async,
sounkou-bioinfo/Rho/packages/rho.compute

URL <https://github.com/sounkou-bioinfo/Rho>,
<https://sounkou-bioinfo.github.io/Rho/rho.graphics/>

BugReports <https://github.com/sounkou-bioinfo/Rho/issues>

Config/roxygen2/version 8.0.0

Repository <https://sounkou-bioinfo.r-universe.dev>

Date/Publication 2026-07-15 17:28:07 UTC

RemoteUrl <https://github.com/sounkou-bioinfo/Rho>

RemoteRef HEAD

RemoteSha b0668a1173b069758ec7bd298007475e38d7b668

RemoteSubdir packages/rho.graphics

Contents

rho_graphics_contracts 2

Index**3**

`rho_graphics_contracts`*Graphic specifications, devices, and artifacts*

Description

Graphics are rendered from an explicit specification to an explicit device. `rho_render_graphic()` returns a task resolving to `RhoGraphicArtifact` or a typed `RhoGraphicErrorValue`. The mirai backend closes the graphics device before hashing the resulting file.

Details

Device and backend behavior are *S7* generics so extension packages may add formats and renderers without changing this package.

Index

rho_base_graphic
 (rho_graphics_contracts), [2](#)
rho_graphic_media_type
 (rho_graphics_contracts), [2](#)
rho_graphic_outcome
 (rho_graphics_contracts), [2](#)
rho_graphics_contracts, [2](#)
rho_open_graphic_device
 (rho_graphics_contracts), [2](#)
rho_pdf_device
 (rho_graphics_contracts), [2](#)
rho_png_device
 (rho_graphics_contracts), [2](#)
rho_render_graphic
 (rho_graphics_contracts), [2](#)
rho_render_graphic(), [2](#)
rho_svg_device
 (rho_graphics_contracts), [2](#)
RhoBaseGraphicSpec
 (rho_graphics_contracts), [2](#)
RhoGraphicArtifact
 (rho_graphics_contracts), [2](#)
RhoGraphicBackend
 (rho_graphics_contracts), [2](#)
RhoGraphicDeviceSpec
 (rho_graphics_contracts), [2](#)
RhoGraphicErrorValue
 (rho_graphics_contracts), [2](#)
RhoGraphicSpec
 (rho_graphics_contracts), [2](#)
RhoMiraiGraphicBackend
 (rho_graphics_contracts), [2](#)
RhoPdfDeviceSpec
 (rho_graphics_contracts), [2](#)
RhoPngDeviceSpec
 (rho_graphics_contracts), [2](#)
RhoSvgDeviceSpec
 (rho_graphics_contracts), [2](#)