



**AutomationSTAR**  
AMSTERDAM 10-11 NOV. 2025

**TRACK TALK**

# Robot Framework: Latest News & Updates

**Pekka Klärck**

**Eliga** Finland



# Agenda

- Welcome
- Latest news & updates
  - Robot Framework core
  - Ecosystem
  - Robot Framework Foundation
- Live demos included!



# Robot Framework core

# Robot Framework 7.0

- Released in January 2024
  - <https://github.com/robotframework/robotframework/blob/master/doc/releasenotes/rf-7.0.rst>
- Main features
  - Major enhancements to listeners
  - VAR syntax
  - JSON result format
  - Argument conversion enhancements

# Robot Framework 7.1

- Released in September 2024
  - <https://github.com/robotframework/robotframework/blob/master/doc/releasenotes/rf-7.1.rst>
- Main features
  - Further enhancements to listeners
  - Enhancements to VAR syntax
  - Clickable output file paths on console

# Robot Framework 7.2

- Released in January 2025
  - <https://github.com/robotframework/robotframework/blob/master/doc/releasenotes/rf-7.2.rst>
- Main features
  - GROUP syntax
  - JSON output during execution

# Robot Framework 7.3

- Released in May 2025
  - <https://github.com/robotframework/robotframework/blob/master/doc/releasenotes/rf-7.3.rst>
- Main features
  - Variable type conversion
  - Timeout related fixes and enhancements

# Robot Framework 7.4

- To be released in November 2025
  - <https://github.com/robotframework/robotframework/blob/master/doc/releasenotes/rf-7.4b2.rst>
- Main features
  - Secret variables
  - Type hints to standard libraries



# Ecosystem

# Editing

- RobotCode
  - Robot Framework plugin for VSCode and PyCharm
  - LSP based so can be integrated also with other editors
  - <https://robotcode.io>
- RoboCop
  - Linter and formatter for Robot Framework data
  - <https://robocop.readthedocs.io>

# Web testing

- Browser
  - Uses Playwright internally
  - New “Browser batteries” install dependencies automatically
  - <https://robotframework-browser.org>
- SeleniumLibrary
  - Uses Selenium internally
  - Newish Selenium manager helps with dependencies
  - <https://github.com/robotframework/SeleniumLibrary>

# GUI testing

- PlatynUI
  - Cross-platform solution for UI test automation
  - Not production ready yet
  - <https://github.com/imbus/robotframework-platynui>
- RoboSAPIens
  - SAP GUI automation for humans
  - <https://github.com/imbus/robotframework-robosapiens>

# REST API testing

- OpenApiTools
  - Set of libraries centered around the OpenAPI Specification
  - <https://marketsquare.github.io/robotframework-openapitools>
- SchemathesisLibrary
  - Generates tests based on OpenAPI and GraphQL schemas
  - <https://github.com/aaltat/robotframework-schemathesis>

# Result visualization

- Robot Framework Dashboard
  - Provides insight on results across multiple runs
  - <https://github.com/timdegroot1996/robotframework-dashboard>
- Robot Framework Metrics
  - Performance metrics for a single run
  - <https://github.com/adiralashiva8/robotframework-metrics>

# New domains

- rfswarm
  - Makes Robot Framework a performance testing tool
  - <https://github.com/damies13/rfswarm>
- Robotmk
  - Makes Robot Framework a universal monitoring tool
  - Plugin to [Checkmk](#)
  - <https://robotmk.org>

# AI

- robotframework-heal
  - Library agnostic self-healing and smart recovery tool
  - <https://github.com/manykarim/robotframework-heal>
- rf-mcp
  - Transform natural language into production-ready tests
  - <https://github.com/manykarim/rf-mcp>



# Foundation

# Robot Framework Foundation

- RoboCon 2026
  - <https://robocon.io>
- Certifications
  - <https://cert.robotframework.org>
- Growing steadily
  - 80+ member companies
- Visit our booth at AutomationSTAR!

# Questions?

Email [peke@eliga.fi](mailto:peke@eliga.fi)

Social [@pekkaklarck](#)