OPENTAP

OpenTAP Training and Certification Program

Empowering test and QA engineering, ecosystem partners, instructors and students to automate faster & smarter at scale, with OpenTAP Certifications

Overview

The OpenTAP Certification Program delivers a hands-on, role-based learning experience that teaches test and QA engineers how to design, execute, and scale automated test solutions using OpenTAP, Keysight PathWave Test Automation and Keysight PathWave Test Automation Cloud. Whether validating devices, managing distributed systems, or scaling automation to the cloud, these certifications help hardware and software testers master test plan development and execution, as well as how to extend OpenTAP functionality with plugins.

Certification Options

Professional Certification Path

	Description	Audience	Format	Availability
Certified User (Core Course)	Learn to use OpenTAP, PathWave Test Automation, and PathWave Test Automation Cloud to build, run, and analyze automated tests and results.	Test & QA Engineers Lab Managers Solution Engineers	Self-paced (LMS)	Available Today
Certified Developer (Advanced Course)	Extend OpenTAP with custom plugins and integrations using the OpenTAP SDK and APIs.	Plugin Developers Solution Partners Advanced Users	Self-paced (LMS)	Planned (2026)
Certified Architect (Expert Level)	Design end-to-end test automation systems with OpenTAP and PathWave Test Automation for scalable test infrastructure.	Solution Architects R&D Leads Integrators	In-person + project-based assessment	Planned (2026)

Academic Certification Path

	Description	Audience	Format	Availability
Academic Certification (Education Program)	Enables universities & colleges to integrate OpenTAP and PathWave Test Automation into curricula, offering industry-recognized credentials and hands-on experience with test automation.	Instructors Students Institutions	Self-paced (LMS)	Planned (2026)

KEYSIGHT

OpenTAP User Certification Course

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Certification Benefits

- Be a Change Angel: Stop wasting cycles writing and rewriting in-house test automation software. Leverage the OpenTAP ecosystem for faster time-to-market!
- Learn to Accelerate Testing: Automate complex workflows with modular, reusable test plans.
- Start Working at Scale: Learn to integrate on-premises and cloud-based test environments.
- Boost Professional Credibility: Earn official Keysight + OpenTAP digital badges via Credly.
- Stay Future-Ready: Embrace AI, data, and cloud-focused test automation trends.

Audience

- Keysight Customers: Test and QA engineers in Design Validation and Production Test.
- Keysight Staff: Sales, Solution, and Application Engineers.
- Partners: Ecosystem testers and engineers co-developing solutions with Keysight.
- Academia: Professors and students building test automation expertise.

Industry Applications

Telecommunications & 5G	Accelerate network and device validation at scale.
Automotive & Autonomous Systems	Validate EV, ADAS, and connected systems efficiently.
Aerospace & Defense	Enable reliable, customized test automation workflows.
Semiconductors & Electronics	Support rapid prototyping and product performance validation.
Data Center & IoT	Ensure reliability and scalability across connected devices.

Integration with Keysight Products

The OpenTAP User Certification complements the Keysight test automation ecosystem:

- PathWave Test Automation — Enterprise-grade test authoring and execution.
- PathWave Test Automation Cloud — Cloud-native collaboration, orchestration, and analytics.
- Certified learners gain skills to work seamlessly from desktop to distributed cloud environments.

Learning Formats

- Self-Paced Online (LMS): Interactive lessons, labs, and certification quizzes via Skill jar.
- Instructor-Led Workshops: Hands-on sessions at Keysight training centers or partner sites.
- Custom Training: Tailored content for enterprise and partner teams.

User Certification Process

1. Complete 7 modules + interactive VM-based labs.
2. Pass final exam (≥80%).
3. Earn digital badge automatically via Credly.

Technical Details

Tools: OpenTAP, PathWave Test Automation (trial license included)
Duration: ~7 hours self-paced
Language: English (initial release)

KEYSIGHT

Get Certified Today

Get Certified.
Build Faster.
Automate Smarter.

Learn More at
opentap.io/certification

Developer, Architect and Academic
Certifications Coming Soon