

Synthetic Monitoring with Checkmk, Robotmk and Robot Framework [English]

OEM: Checkmk • Code: SYNTHETIC_MONITORING_WITH_CHECKMK_ROBOTM

COURSE DESCRIPTION

Robot Framework is an open-source test automation framework for acceptance testing and automatic software testing. It is easy to extend and supports various test libraries and tools, making it suitable for a wide range of use cases. Robotmk allows the integration of test results directly into Checkmk, so that tests can be monitored automatically and appropriate alarms triggered in the event of errors.

AUDIENCE PROFILE

- Checkmk administrator, DevOps engineers, QA teams with an interest in Synthetic Monitoring

PREREQUISITES

- Synthetic monitoring is an advanced topic. Successful participation requires several years of experience with Checkmk, ideally version 2.3 or later.

COURSE OBJECTIVES

By the end of this course, participants will be able to:

- At the end of the course, participants will be able to create end-to-end tests (web and desktop) with Robot Framework, integrate them into their Checkmk environment, and proactively monitor the availability and performance of their business applications.
- The training also prepares participants for the Robot Framework Certified Professional (RFCP) exam.

COURSE OUTLINE

Module 1: Course Outline

- Safe handling of Python runtime environments
- Robot Framework Fundamentals (= covers the content for the RFCP exam)
- Writing robust CSS/XPath selectors
- Web tests with the browser library (Playwright)
- Robotmk: Integration of Robot Framework in Checkmk