

8 principles for unleashing the power of Autopilot for agentic testing

Agentic testing, where AI agents accelerate every phase of the testing lifecycle, is revolutionizing the way we approach software testing. UiPath Autopilot for Testers is at the forefront of this innovation. Dive into these guiding principles for maximizing the full potential of Autopilot:



1. Integrate AI throughout the testing lifecycle

- Utilize Autopilot capabilities from requirements analysis to test execution and reporting
- The benefits:** Streamline processes, reduce manual effort, and improve overall testing efficiency



2. Enhance requirement quality

- Use Autopilot's quality-check feature to evaluate requirements for clarity, completeness, and consistency
 - Provide clear, specific, and measurable acceptance criteria
 - Provide supporting documents, such as process diagrams, mockups, and compliance documents to improve Autopilot's understanding and generate more accurate suggestions
 - Provide instructions to specify what Autopilot should look for
- The benefits:** Early detection of issues, enhanced test case generation, reduced rework, improved traceability, and increased confidence in test results



3. Diversify test case generation

- Generate manual test cases from requirements using Autopilot
 - For SAP projects, utilize the Heatmap feature to create tests for specific transactions
 - Convert manual tests to low-code or coded automations with Autopilot in Studio Desktop
 - Leverage low-code and API test automation generation for comprehensive coverage
- The benefits:** Increased efficiency in test creation, targeted testing for SAP projects, flexibility in test types, improved test maintenance, and adaptability to different testing needs



4. Optimize with AI-powered features

- Generate synthetic test data for robust, data-driven testing
 - Use Autopilot to refactor and enhance existing coded automations
 - Implement fuzzy verifications and generate expressions to improve test reliability
- The benefits:** Enhanced data privacy and security, more maintainable and robust test scripts, test execution time optimization, and a reduction in false positives in test results



5. Leverage intelligent test management

- Generate test insights reports for failed tests using Autopilot
 - Analyze reports and implement suggested improvements to reduce failure rates
 - Use natural language search to quickly find and manage test objects
- The benefits:** More actionable test insights, reduced failure rates, improved test prioritization, enhanced traceability, and faster issue resolution



6. Embrace continuous learning and improvement

- Regularly review and update your test portfolio based on Autopilot's insights
 - Stay updated with new Autopilot features and integrate them into your testing process
- The benefits:** Ensure your testing strategy remains relevant and effective, and keep your testing practices modern and aligned with industry advancements



7. Balance agents and human expertise

- Use Autopilot as a powerful tool to augment your expertise—so that you can focus on the most enjoyable aspects of testing
 - Combine AI-generated tests with human-designed test cases for comprehensive coverage
- The benefits:** The opportunity to embrace your creativity and critical thinking skills by focusing your efforts on more rewarding testing tasks



8. Ensure clear communication

- Leverage AI-generated reports to communicate test results effectively to stakeholders
- The benefits:** Improved documentation, enhanced stakeholder understanding, consistency in reporting, and faster decision making

By following these steps, you'll harness the full potential of agentic testing with UiPath Autopilot for Testers, dramatically improving your testing efficiency, coverage, and effectiveness.



Ready to take your productivity to the next level? Dive into agentic testing with UiPath Autopilot for Testers today!