

Performance Testing

A Sample Task Schedule

The following schedule represents a first-time performance testing initiative carried out against a web application requiring performance tuning.

Week 1: PLANNING



- Define specific performance objectives based on requirements (load, volume, focused performance testing, etc.)
- Define priorities to fit the expected schedule
- Identify the user scenarios to be simulated
- Define how performance of the application unit test (AUT) will be measured by the test types and key performance indicators (KPIs) for each test / test script
- Define Environments (Test Environment and Load Generation)
- Define Test Execution Schedule

Week 2: CONFIGURATION



- Establish requirements for the test environment and secure dedicated access and permission to test
- Set up and configure test environment
- Set up and configure load generation infrastructure and access to test environment

Week 2-5: SCRIPT DEVELOPMENT



- Develop test scripts to simulate types of expected system loads
- Create / modify test data as required for the scripts
- Develop / coordinate a method of gathering results
- Debug scripts with single user execution runs

Week 6 & 7: TEST EXECUTION



- Coordinate infrastructure team to monitor test environment vitals
- Execute test scripts based on identified performance test types
- Evaluate test scenario results against performance targets
- Apply corrective measures and repeat
- Increase load gradually; repeat test script execution as needed to support tuning efforts
- Capture and document results of test execution; analyze

Week 8: REPORTING



- Draft and deliver report summarizing testing effort and results of test execution cycles

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