

Running JMeter Scripts in AIQ - Best Practices

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Use this guidance when running Apache JMeter scripts through AIQ. Keep scripts portable, parameterized, and observable so results can be compared across environments and test runs.

Best practices

- Keep JMeter scripts environment-neutral by using variables for hostnames, credentials, ports, and test data.
- Validate the script locally or in a small AIQ run before scheduling high-volume execution.
- Use realistic think time, ramp-up, and concurrency settings that match the test objective.
- Externalize test data and avoid embedding secrets in JMX files.
- Capture transaction naming consistently so AIQ reports remain readable.
- Monitor Controller and Test Node resources during large JMeter runs.

Validation workflow

1. Run a single-user smoke test and confirm expected transactions appear in AIQ results.
2. Increase load gradually while watching errors, response time, and node capacity.
3. Review logs for missing files, plugin dependencies, or variable-resolution failures.

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