

# Performance Testing

## Testing Profiles

To make our testing as repeatable as possible, we have created profiles for various parts of the testing setup:

- [Platform Profiles](#) - the hardware and networking used to conduct the tests
- [Repository Profiles](#) - the Fedora-specific configuration options
- [Setup Profiles](#) - the data loaded into the repository as a baseline before testing
- [Workflow Profiles](#) - the specific tests performed, what tools were used, and what was measured

A performance test scenario consists of the intersection of a profile of each type: a platform profile, a repository profile, a setup profile, and a workflow profile. Performance test results will indicate which profiles were used when the tests were run.

## Test Results

- [Single-Node Test Results](#) - directly comparing ingest/read/update/delete times of Fedora 3 and Fedora 4, on a single server.
- [Outcomes - Clustering](#) - comparing ingest/read/update/delete times of a cluster of Fedora 4 servers.
- [Large File Ingest and Retrieval](#) - testing ingesting and serving files as large as 1TB.
- [AuthZ - No AuthZ Fedora 4 Comparison Performance Testing](#) - testing the impact of enabling authorization on ingest/read/update/delete performance.
- [Flat Hierarchies Testing](#) - testing load times on ten to thirty thousand [Glossary](#) when there is no hierarchy
- [Fedora 4 Properties CRUD Performance Testing](#) - testing the time it takes to perform create/read/update/delete operations on [Glossary](#) properties