

Testing & Quality Assurance

Quality Assurance (QA) ensures that the solution meets functional, technical, security, and performance requirements before deployment.

Testing should be performed continuously throughout development rather than only at the end of the project.

Types of Testing

The reseller should conduct:

Functional Testing

Verifies that all system features operate as expected.

Integration Testing

Ensures APIs and third-party services communicate correctly.

Performance Testing

Measures system responsiveness and scalability.

Security Testing

Checks authentication, authorization, and data protection.

User Acceptance Testing (UAT)

Allows the client to validate the solution against business requirements.

Quality Checklist

Before deployment, verify:

- All requirements implemented
- No critical defects
- Documentation complete
- Performance acceptable
- AI responses validated
- Safety checks completed
- Client approval obtained

Only solutions that successfully pass quality assurance should proceed to production deployment.

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