Prepare for the Oracle NetSuite Web Services Developer Exam

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About the Oracle NetSuite Web Services Developer Exam

The Oracle NetSuite Web Services Developer certification is designed for individuals with 1-2 years of experience developing NetSuite integration solutions on the SuiteCloud Developer platform. This certification supports candidates who want to become proficient in designing, developing, testing and deploying secure, scalable and reliable web integrations.

This is the second exam required for the Oracle NetSuite Web Services Developer Certification, to be taken after the Oracle NetSuite SuiteFoundation Specialist exam has been passed.

The credential awarded for passing this exam is **Oracle NetSuite Certified Web Services Developer** .

Recommended Skill Level

- 1-2 years of experience working with SuiteTalk SOAP and REST Web Services technologies
- 1-2 years of relevant software development experience
- Knowledge and skills necessary to design, develop and test secure, scalable, reliable, performant solutions to interact with NetSuite.
- Knowledge of REST, SOAP, SQL, XML and JSON technologies.

Recommended Training

NetSuite provides a variety of resources including eLearning courses, detailed articles and guides, and community knowledge bases that are designed to enhance your NetSuite skills and knowledge.

MyLearn

Use MyLearn as your primary resource to prepare for the exam. Search for the **Certification Preparation – Web Services Developer** learning path to find a complete list of required courses.

MyLearn courses include video demonstrations that show you how to perform tasks in NetSuite. Some courses also provide downloadable Quick Reference Guides. In some courses, you can request a Lab to apply your knowledge in a NetSuite test environment.

NetSuite Help Center

The NetSuite Help Center contains detailed articles, guides, and how-to's that cover NetSuite technology.

Consult the Help Center for more information on the exam topics.

SuiteAnswers

SuiteAnswers is a community-driven knowledge base with official NetSuite responses and FAQs on a variety of related topics.

Go to SuiteAnswers to explore the exam topics.

To access SuiteAnswers, log in to your NetSuite account, click **Help**, and select **SuiteAnswers** from the center or Additional Resources menu.

Topics Covered by the Exam

Exam topics indicate the key areas covered in the exam, helping you study specific NetSuite skills and knowledge you need to pass the exam:

Topic	Objective
SuiteTalk SOAP Web Services	Explain the SOAP Web Services endpoint policy and identify the process for upgrading endpoints.
	Use different approaches to interact with records and sublists, including customizations, using SOAP Web Services.
	Identify the impact of customizations on SOAP Web Services integrations.
	Explain the implications of using basic searches, joined searches, and advanced searches with SOAP Web Services.
	Determine how to debug and troubleshoot in SOAP Web Services.
	Demonstrate proper security techniques and how to configure authentication in SOAP Web Services.
	Explain strategies for using SOAP Web Services to enhance performance.
SuiteTalk REST Web Services	Demonstrate proper security techniques and how to configure authentication in REST Web Services.
	Explain strategies for using REST Web Services to enhance performance.
	Use record and query services to interact with records and sublists, including customizations, in REST Web Services.
	Determine how to debug and troubleshoot in REST Web Services.
Integration	Demonstrate how to manage multiple threads across SuiteTalk SOAP Web Services, SuiteTalk REST Web Services, and RESTlets.

Study Suggestions

SuiteTalk SOAP Web Services

Explain the SOAP Web Services endpoint policy and identify the process for upgrading endpoints.

How to Study: Research these topics: Deprecation and general availability policy around supported endpoints; updating endpoints; impact of new NetSuite functionality and endpoints.

Use different approaches to interact with records and sublists, including customizations, using SOAP Web Services.

How to Study: Research these topics: Standard and custom records; custom fields; keyed & non-keyed sublists; working with subrecords; getCustomizationId operation; using the SOAP Schema Browser.

Identify the impact of customizations on SOAP Web Services integrations.

How to Study: Research these topics: Impact of form customization like hiding fields; custom record configuration; custom field configuration including sourcing & filtering; company-wide and request-level preferences impacting customizations.

Explain the implications of using basic searches, joined searches, and advanced searches with SOAP Web Services.

How to Study: Research these topics: Help Center topic "Search Issues and Best Practices for SOAP Web Services and SuiteScript;" contrasting basic, joined, and advanced searches including performance considerations; paging in searches; sublists in searches; company-wide and request-level preferences impacting searches.

Determine how to debug and troubleshoot in SOAP Web Services.

How to Study: Research these topics: Errors around concurrency and privileges; warnings vs. errors vs. faults; error handling in SOAP response; Login Audit Trail; logs for synchronous and asynchronous operations; SOAP Web Services saved searches.

Demonstrate proper security techniques and how to configure authentication in SOAP Web Services.

How to Study: Research these topics: Roles in SOAP Web Services including dedicated roles and minimizing privileges; Web Services Only Role; setup and usage of token-based authentication; tokens and usage across environments; integration record configuration.

Explain strategies for using SOAP Web Services to enhance performance.

How to Study: Research these topics: Asynchronous operations; list vs. individual record operations; upsert operations vs. add & update; impact of company-wide and request-level preferences; usage of external IDs.

SuiteTalk REST Web Services

Demonstrate proper security techniques and how to configure authentication in REST Web Services.

How to Study: Research these topics: Roles in REST Web Services including dedicated roles and minimizing privileges; Web Services Only Role; OAuth 2.0 (authorization code grant and client credentials); OAuth 2.0 across different environments; integration record configuration; permissions related to executing SuiteQL.

Explain strategies for using REST Web Services to enhance performance.

How to Study: Research these topics: Parameters like expandSubResources and fields; record service vs. SuiteQL in query service; when to use metadata catalog.

Use record and query services to interact with records and sublists, including customizations, in REST Web Services.

How to Study: Research these topics: Standard and custom records; record transformations; executing record actions; all CRUD operations; record filtering; HATEOAS links; applicable standard and custom HTTP headers in request and response; standard and custom fields; sublists; subrecords; parameters like replace and replaceSelectedFields; accessing data via SuiteQL and SuiteAnalytics Datasets, including impact of SuiteAnalytics Connect; REST API Browser.

Determine how to debug and troubleshoot in REST Web Services.

How to Study: Research these topics: Errors around concurrency and privileges; HTTP statuses common to REST Web Services; errorDetails in response; REST Web Services execution log; Login Audit Trail.

Integration

Demonstrate how to manage multiple threads across SuiteTalk SOAP Web Services, SuiteTalk REST Web Services, and RESTlets.

How to Study: Research these topics: Managing concurrency; configuring concurrency on the Integration record; account level concurrency vs. integration concurrency; distributing concurrency across applications; APM SuiteApp to monitor concurrency.