



# Neotys Training Catalog

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## TABLE OF CONTENTS

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NEOTYS SERVICES CENTER .....	3
Who are we?.....	3
Our roles: training, certification and consulting services.....	3
Who are the training staff members?.....	3
Who are the training modules aimed at? .....	3
NEOTYS TRAINING MODULES.....	4
Available Modules.....	4
Delivery options.....	4
Materials .....	4
MODULE DESCRIPTIONS .....	5
Neotys Training Module Summary .....	5
Online Training Level 1.....	5
Online Training Level 2.....	6
NeoLoad Training.....	7
Neotys Expert Certification for NeoLoad .....	9
Preparation day for Neotys Expert Certification for NeoLoad .....	10
CONTACT AT NEOTYS.....	11

## NEOTYS SERVICES CENTER

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### Who are we?

Since 2005, Neotys has helped over 1000 customers in more than 60 countries enhance the reliability, performance, and quality of their applications. NeoLoad is a best-in-class load testing solution that automates the development, execution and analysis of performance testing. NeoLoad supports all web 2.0 technologies, is flexible and easy to use with infinite scalability from the cloud. All this is backed by a dedicated team of Neotys professional services and support specialists to ensure your success. The Neotys consultants at our Services Center are all experts in load testing and optimizing of web applications.

### Our roles: training, certification and consulting services

The Neotys Services Center provides several types of training:

- On-site training (NeoLoad Training)
- On-line training (On-line Training Levels 1 and 2)

The Services Center also is responsible for the technical certification of our partners.

In addition, the Services Center provides performance audits, assists with setting up in-house load testing departments and advises clients on industrializing their load testing processes.

### Who are the training staff members?

Either Neotys employees or employees of its certified partners, the trainers put all their knowledge and know-how at your disposal so that you gain a complete and thorough grasp of the widest possible range of web environments. Their vast experience with NeoLoad in the field brings an added dimension to their input, an experience they share with the trainees through exercises based on real life cases.

### Who are the training modules aimed at?

The groups of trainees are usually made up of QA managers, testers and engineers looking to extend or deepen their NeoLoad skills and their knowledge of load testing methodology.

## NEOTYS TRAINING MODULES

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### Available Modules

Neotys provides several types of training:

- On-line training
  - Online Training Level 1 (2 hours)
  - Online Training Level 2 (2 hours)
- On-site training
  - NeoLoad Training (3 days)
  - Neotys Expert Certification for NeoLoad (1 day)
  - Preparation day for Neotys Expert Certification for NeoLoad (1 day)

### Delivery options

#### On-line training

The on-line training modules are structured around a teleconferencing session. For this to function properly, a broadband Internet connection is required. The teleconference does not need any particular configuring and can be set up in a few minutes. Some difficulties may be experienced if your firewall settings are set to high security. We will suggest testing the connection before the start of the training session. In the event of a problem, we will solve it by suggesting alternative connection methods.

#### On-site training

On-site training is carried out at the client's premises. Preferably, each trainee should have a machine to him/herself. Above this number, trainees will find it difficult to complete the exercises presented in satisfactory conditions. The machines used must be able to run the NeoLoad software, which ideally requires 1 Gb RAM and at least a 2 GHz processor. At the premises, the use of a meeting room equipped with a video projector would be an advantage.

#### Regional training in our Training Center

Training courses are planned in advance for a specific date, time and location. The schedule is available on [www.neotys.com](http://www.neotys.com). It is an ideal solution to train individual staff members.

### Materials

Neotys supplies the following materials:

- Training documentation,
- NeoLoad training license,
- Web applications for the exercises.

## MODULE DESCRIPTIONS

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### Neotys Training Module Summary

Training	Duration	On site	Training Center	On line
NeoLoad Training	3 days	✓	✓	✗
NeoLoad Training / Neotys Expert Certification for NeoLoad	4 days	✓	✓	✗
Neotys Expert Certification for NeoLoad	1 day	✓	✓	✗
Preparation day for Neotys Expert Certification for NeoLoad	1 day	✓	✓	✗
Online Training Level 1	2 hours	✗	✗	✓
Online Training Level 2	2 hours	✗	✗	✓

### Online Training Level 1

#### Aims

- Acquire aspects of methodology
- Record and develop a scenario.

#### Audience

This module is recommended for QA managers, testers and engineers.

#### Duration

Level 1 lasts two hours.

#### Prerequisites

- Must have started NeoLoad evaluation
- Must have attended a web presentation of NeoLoad
- Must have checked the screen sharing connection (GoToMeeting test)

## Course outline

The Level 1 module covers the following subjects:

- Test methodology
  - How to fix objectives
  - Load test types
  - Results and correlation with the application
  
- Recording and design of a basic scenario
  - Recording a scenario
  - Virtual user design and profile
  - Checking the virtual user
  
- Making a scenario dynamic
  - Variables
  - Link extractors
  - Variable extractors
  - Exercises

## Online Training Level 2

### Aims

- Consolidate and extend their NeoLoad skills
- Record and configure a complex scenario

### Audience

This module is recommended for QA managers, testers and engineers (see requirements above).

### Duration

Level 2 lasts two hours.

### Prerequisites

- Must have followed the On-line Training Level 1
- Must have at least a 1 week delay between On-line Training Level 1 and On-line Training Level 2
- Must have used NeoLoad on at least 1 project

## Course outline

Level 2 covers the following subjects:

- Recap
  - Designing a scenario
  - Variables
  - Virtual users

- Designing and recording a complex scenario
  - Using SQL variables
  - Advanced extraction
  - JavaScript programming
  - Regular expressions
  - Error handling

## NeoLoad Training

The purpose of this course is to provide an in-depth understanding of NeoLoad and how to use it by employing best practice methodologies. Significant hands-on experience is incorporated into the curriculum to reinforce the classroom work. This course is comprised of both lectures and lab work/exercises for NeoLoad.

### Course Objectives

This course will:

- Introduce the user to NeoLoad and its features
- Explain the methodology used in load testing
- Make the user proficient in carrying out low to high complexity load tests
- Pass on knowledge required to analyze Web architectures

### Audience

This training class is suitable for the following students:

- Quality Assurance/Test Engineers
- QA Managers
- Software developers
- Other staff members responsible for load/performance testing of web applications

### Why Attend?

- Build expertise in use of NeoLoad
- Learn best practices for test design, execution and results analysis
- Develop skills to optimize initial and ongoing test campaigns

### Duration

The NeoLoad Training module is held over three days.

### Prerequisites

No particular previous experience is required. However, a general knowledge of computers and of Web, system and network technologies will make learning easier.

### Course outline

Among the topics covered in this course are:

Day 1

- Load Testing Methodology and Terminology

- NeoLoad Architecture
- Virtual User Profiles
  - Recording
  - Customizing
  - Validating/Debugging
- Handling session-specific parameters
- Request definitions
- Developing and modifying Frameworks and Framework parameters
- Variables
- Verifying response content
- Variable Extraction

#### Day 2

- Virtual User Profile Actions
  - Containers, Shared and Random
  - Delay, Looping and Branching, Stopping VUs, Error handling, Rendezvous, etc.
  - JavaScript

#### Day 3

- Creating and Customizing User Populations
- Monitors and Alerts
- Server handling
- Test Setup and Execution
- Test Results - Creation and Analysis
- Recording Non-Browser Applications
- Optimizing controller and load generators
- Automating tests

### **Delivery options**

NeoLoad End-User Training is delivered either onsite or in regional classrooms:

#### On-site training

- Course delivered onsite at your location
- Delivered to fit your organization's schedule
- Cost-effective solution for larger (up to 12 students) groups

#### Regional training

- Course delivered at our regional training centers
- Fixed schedules and locations (training calendar available on [www.neotys.com](http://www.neotys.com))
- Ideal for training individual staff members

### **Optional Extra Day**

#### **Aims**

The optional extra day is available only with the NeoLoad Training. It allows time for the Neotys consultants to address issues relating to the client's specific work environment.

## **Audience**

This module is recommended for QA managers, testers and engineers.

## **Duration**

One day.

## **Requirements**

To better prepare the extra day, clients are asked to supply the Services Center beforehand with a list of subjects they wish the Neotys consultant to address.

## **Program**

The subjects dealt with during the extra day are set by the clients according to their needs. The Neotys consultants can:

- Help to develop scenarios for specific applications
- Deal with individual problems
- Discuss particular subjects that the client wishes to enlarge upon.

## **Delivery options**

Course can be delivered online or onsite (after NeoLoad Training or Online Training).

## **Neotys Expert Certification for NeoLoad**

In addition to gaining an expert knowledge of NeoLoad, those who pass Neotys Expert Certification for NeoLoad become “Neotys Certified expert for NeoLoad X.x”. The “Neotys Certified expert for NeoLoad X.x” status is an integral feature of the Neotys Partnership Program (contact [partner@neotys.com](mailto:partner@neotys.com) for further details).

## **Audience**

Neotys Expert Neotys Expert Certification for NeoLoad usually concerns load testing consultants. However, the certification remains open to all

## **Duration**

The Neotys Expert Certification for NeoLoad is held over one day.

## **Requirement**

An in-depth knowledge of Neoload and of load testing is an absolute pre-requisite. It is strongly advised that the candidates complete the NeoLoad Training beforehand.

Regular use of NeoLoad at an advanced level may be sufficient however.

## **Program**

The Neotys Expert Certification for NeoLoad module comprises:

- Morning: MCQ's and random questions (2 ½ hours);
- Afternoon: Practical (3 hours).

## **Delivery options**

Course can be delivered onsite (after NeoLoad Training), either at the client's premises or at a location provided by Neotys.

## **Preparation day for Neotys Expert Certification for NeoLoad**

Neotys Expert Certification for NeoLoad requires strong knowledge on NeoLoad. It could be better to prepare the exam, in particular if the exam is not organized just after the NeoLoad Training.

The preparation day is not mandatory to attend the certification.

## **Audience**

Load test expert who want to become "Neotys certified expert for NeoLoad".

## **Duration**

The Preparation for Neotys Expert Certification for NeoLoad is held over one day.

## **Requirement**

An in-depth knowledge of Neoload and of load testing is an absolute pre-requisite. It is strongly advised that the candidates complete the NeoLoad Training beforehand.

Regular use of NeoLoad at an advanced level may be sufficient however.

## **Program**

The Preparation for Neotys Expert Certification for NeoLoad module comprises:

Morning :

- Reminder of main features of NeoLoad
- MCQ's and random questions to prepare the exam

Afternoon :

- Exercises on design
- Exercises on analysis

## **Delivery options**

Course can be delivered onsite (after NeoLoad Training), either at the client's premises or at a location provided by Neotys.

## CONTACT AT NEOTYS

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To enroll for any of the training modules, or for any other information, please contact Neotys:

- By telephone:
  - USA/Canada : +1 646 502 8061
  - Other : +33 4 42 18 08 30
- By email: [ps@neotys.com](mailto:ps@neotys.com),
- On the Neotys website: <http://www.neotys.com/services/training-list.php>.