



## OVERVIEW

### Course Level:

Introductory

### Format:

This instructor-Led Training (ILT) is delivered on the customer's network via NETSCOUT® AWS Lab.

### Course Code:

TRN-nG1-SP

### Prerequisites:

- Students should have a working knowledge of mobile network technologies and topologies, the OSI reference model, and the function of network devices

### Duration:

(4) 1/2 days

# nGeniusONE Essentials for Service Providers

## Course Description

This course provides you with the fundamental knowledge and skills needed to effectively monitor and analyze application and network usage and performance in large service provider infrastructures. The training prepares you to apply monitoring and troubleshooting techniques using easy-to-use structured workflows that quickly lead to the root cause of network and application issues. This course uses hands-on guided exercises and real-world use cases to reinforce the techniques presented.

## Course Objectives

- Describe the architecture of the nGeniusONE® Service Assurance platform
- Understand the workflow of Top-Down and Bottom-Up approach for Service Triage
- Effectively navigate the nGeniusONE Service Assurance platform console
- Describe essential nGeniusONE configuration functions
- Use Services, Monitors, and Enablers to monitor and troubleshoot performance issues
- Utilize multiple workflows to isolate problems in the network

## Course Syllabus:

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### Session One

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#### Module 1 – nGeniusONE Basics

- Introduction
  - Adaptive Service Intelligence
  - nGeniusONE Modules
  - Top-Down and Bottom Up Service Triage Workflow
  - Lab Exercise
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#### Module 2 – Service Dashboard

- View Modes
  - Domains
  - Service Hierarchy Best Practice
  - Service Dashboard Drilldown
  - Service Dependency
  - Overtime View
  - Lab Exercise
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#### Module 3 – Service Monitors

- Traffic Monitor
  - Network Access and Universal Monitor
  - Advance Voice Statistics Monitor
  - Media Monitor
  - PDN Connection Monitor
  - Diameter Monitor
  - DHCP Monitor
  - DNS Monitor
  - LDAP Monitor
  - Radius Monitor
  - Discover My Network Monitor
  - Lab Exercise
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#### Module 4 – Call Search with Session Analysis

- Call Search with Media Monitor
  - Call Search Drill to Session Analysis
  - Lab Exercise
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### Session Two

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#### Module 5 – Reporting and Grid

- Reporting Workflow
  - Grid Workflow
  - Lab Exercise
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#### Module 6 – Notification Center

- Alerts
  - Situation Analysis
  - Lab Exercise
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#### Module 7 – Packet Analysis

- Pre and Post Capture filtering
  - Column Customization
  - Standard and Chart View
  - Trace Archive
  - Lab Exercise
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#### Module 8 – Search and Discover

- Search and Discover Overview
- Drilldown to Application and Service Dependency
- Lab Exercise



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