



OVERVIEW

Audience:

This course is designed for wireless networks managers and engineers using the nGenius® Business Analytics network monitoring and reporting tools.

Format:

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

Prerequisites:

- All participants attending this course should have working knowledge of telecommunication protocols, interfaces, and commonly used metrics
- NETSCOUT offers additional courses relevant to telecommunications protocols and interfaces
- Laptop with nGenius Business Analytics environment access and individual nGenius Business Analytics user account

Duration:

(4) 1/2 days

Advanced nGenius Business Analytics for Service Providers

Course Introduction

This course teaches participants about using nGenius Business Analytics for unrestricted analysis and reporting, aiding in the identification of potential network/service issues and isolation of their likely causes. Also nGenius Business Analytics allows users to dynamically explore smart data and discover actionable business insights. This course includes lecture, discussions, and hands-on exercises to reinforce key learning objectives.

Course Objectives

Product Overview

- Explain the purpose of nGenius Business Analytics system
- Describe architecture and functionality
- Describe the nGenius Business Analytics solution and deployment options

Explorer

- Navigate the Explorer user interface
- Create and share Explorer dashboards containing dashlets that display adhoc and on-demand data results graphically in charts, tables, and data
- Change the layout of Explorer dashboards and manage the dashboards using dashboard tools
- Create the following dashlet types to view metrics, compare data sets, and view data records:
 - **Metric Viewers** – displays metric data graphically
 - **Metric Reports** – displays metric data as a table or treemap
 - **Metric Grids** – displays multiple metrics in one dashlet at the same time for real-time comparison
 - **Data Browser** – displays smart data stored in the analytics database

- Build a query with Data Browser to quickly view and filter data for a specific time period
- Refine data queries, metrics, and dashlets with filters
- Refine filters using operators/expressions, fields, and parameters
- Build a custom KPI using MetricBuilder
- Build formulas to use when creating custom KPIs
- Combine formulas and calculations to create a computation or written expression of a KPI
- Edit formulas to define field filtering and to select the aggregation method
- View and compare data distributions overtime (histograms)
- Build custom KPIs to evaluate specific datasets and use cases, such as:
 - High error volume for HTTP/HTTPS applications on iPhone handsets
 - Subscribers with low data volume and high response time during specified timeframe
- Create mapping files to correlate the field keys and field key representations in Metric Reports to enhance the readability of the reports
- Define exception rules that can be used as advanced report options when creating Metric Reports
- Export specific data displayed by a dashlet to view and analyze the individual records in another system
- Export KPI packs to a JSON file

MicroStrategy

- Navigate the MicroStrategy user interface
- View and interpret standard/pre-built reports within MicroStrategy
- Create filters to explore and analyze, real-time multi-dimensional data in the MicroStrategy structured, self-service environment



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