

Network Assessment Automation Workshop

NB220-ILT

Course Overview

This hands-on workshop teaches participants how to turn common network checks and troubleshooting steps into repeatable, automated workflows—without writing any code. Starting from a real-world network problem, learners walk through gathering device data, organizing it into meaningful diagnostic variables, and producing results that clearly indicate where the network is healthy and where it needs attention.

The course progresses from creating and testing an automated check on a single device to expanding that same logic across the entire network. Participants learn to visualize results in live dashboards and configure ongoing scheduled monitoring. Every participant leaves with a working automated assessment ready for production.

What You Will Learn

- › Build a Network Intent from scratch using the no-code Quick Intent editor
- › Parse CLI output into diagnostic variables with the Visual Parser editor
- › Define IF-THEN-ELSE logic to classify and flag network conditions
- › Replicate automation network-wide using the Intent Replication Wizard
- › Create dashboards and schedule recurring execution for continuous compliance monitoring

Course Agenda

- › Intent-Based Automation — Foundational concepts: Data, Parse, Diagnosis, Output, and the no-code automation mindset
- › Anatomy of a Network Intent — Variable types, parsing patterns, and IF-THEN-ELSE diagnosis logic
- › Lab 1: Unreachable Application — Build a Network Intent to assess ping reachability across a network path
- › Lab 2: Application Performance Troubleshooting — Detect incrementing interface errors using show interface data
- › Scaling with Intent Replication — Clone proven Intent logic network-wide using Device Groups and the Replication Wizard
- › Automation Data Tables & Dashboards — Store replicated Intents in ADTs; visualize results in Observability Dashboards
- › Lab 3: Network Intent Replication — End-to-end build, replicate, visualize, and schedule workflow

Instructor-Led · Course Length: 6 Hours

Delivery Format

- Virtual (live, instructor-led online)
- Public classroom at training centers
- Private on-site at your facility

Take This Course If You Are:

- Senior Network Engineers
- Automation Builders
- Site Reliability or DevOps Engineers
- IT teams responsible for network and application reliability

Prerequisites

- Basic IP networking and routing knowledge
- Familiarity with common troubleshooting practices

Registration

This course is available at no cost. Contact your NetBrain account team or visit nbu.netbrain.com to register.

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Questions?

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Prerequisites

- › Basic understanding of IP networking, routing paths, and device health metrics
- › Familiarity with common troubleshooting practices including CPU and memory checks, log review, ACL validation, and QoS analysis

Learning Objectives

- › Build a Network Intent from scratch using the Quick Intent editor
- › Collect device data from CLI output
- › Parse and define single and multi-variables with the Visual Parser editor
- › Diagnose variable states with customized IF-THEN-ELSE logic
- › Output Diagnosis Messages and Status codes directly on the map and dashboards
- › Use Device Groups to define automation scope based on device type, location, and network features
- › Use the Intent Replication Wizard to clone Intent logic network-wide into an Automation Data Table repository
- › Understand the role of the Golden Assessment Library
- › Create and customize Dashboards to display, monitor, and send alerts for any existing automation
- › Schedule recurring intent execution for continuous network compliance monitoring

Note: This course was previously part of the 2-Day NetBrain Power User Training. It has been redesigned as a focused, standalone instructor-led workshop so your team can train on exactly the skills they need, at the pace that works for them.