



NetBrain Architect Edition

“The Intelligence is in the Map”



Take Network Assessment and Network Design to the Next Level

NetBrain Architect Edition is a state-of-the-art solution that brings a high level of automation to network assessment and network design. Network consultants can rely on Architect Edition to automate their network assessments and minimize the time spent to discover and analyze customer networks and then generate detailed assessment documentation. For enterprise network design experts, Architect Edition is the only visual toolset that integrates network design, simulation, validation and implementation in a single solution. Architect Edition offers:

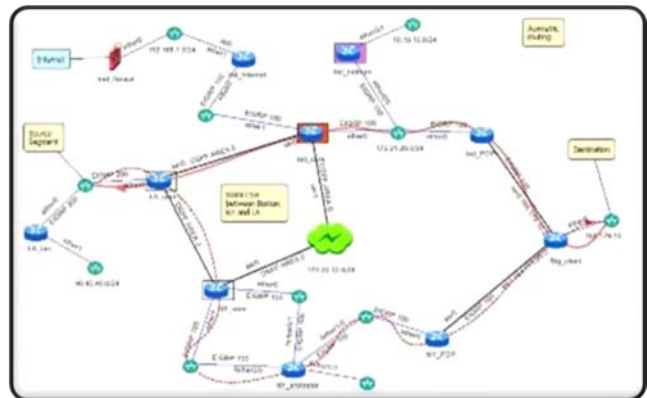
- Portable Network Discovery
- Network Simulation
- Virtual Workspace for Network Design
- Full automation of Network Assessments
- Performance Assessment with IPSLA and IP Accounting

Automate network assessments, increase network stability and reduce network outages with NetBrain’s Architect Edition.

NetBrain SmartMap Technology

NetBrain’s exclusive **SmartMap** technology *embeds all of the intelligence about the network directly in the map*, so you no longer have to keep network knowledge in your head or rely on paper. Now, you can view information about your entire infrastructure directly in a SmartMap, including:

- L2 maps with full L2 port-to-port connectivity and configured VLANs
- L3 maps with routing and addressing
- Self-updating maps reflect the most up-to-date view of the operational network as changes occur
- Dynamic creation of real-time network maps for any purpose
- Incorporation of total network knowledge including network design and historical data
- Show/hide capability in the map allows you to choose the level of detail you need



L3 SmartMap provides detailed routing and link status

Network Design Simulation

With Architect Edition, you can simulate and analyze the net effect of all your design and configuration changes by overlaying them on the operational network as a baseline. Simulation will compute network behavior and will reveal any issues with the changes before implementation without requiring a physical lab or computing all the possibilities in your head. Supported network technologies include:

- Common enterprise routing protocols including: RIP, IGRP, EIGRP, OSPFv3 and BGP4
- All configured security filtering policies
- MPLS cloud (routing behavior across CE routers)

For Enterprise Architects, you can employ Architect Edition to decrease the time to design, test and implement changes or upgrade your network using:

- Network Design Planning
- Design Simulation
- Design Validation
- Design Documentation

Simulation parses all the collected network data; then models and calculates best path prediction of traffic directly from a set of configuration files, allowing you to define and validate the optimum network design.

NetBrain Architect Edition Key Features and Benefits:

Comprehensive Discovery

High-speed discovery engine finds and inventories every network device and captures a full range of information about L3 topology and L2 port-to-port connectivity at 99% accuracy. In addition to L2/L3 information discovery will also detect MPLS clouds, VPNs or DMZ isolated network segments

Intelligent L2/L3 Mapping

Exclusive SmartMap technology embeds all the network knowledge right in the map; create maps in minutes using either configuration files or discovery results or both

Network Assessment

Automate all aspects of an assessment including; discovery and topology, configuration, utilization, security and application performance. Assessments can be either 0-Touch or 1-Touch as requirements dictate

Assessment & Design

Documentation

A broad array of network documentation can be generated with one-click including; template driven assessment documentation, L2/L3 Visio diagrams and any SmartMap. Document your entire network design and implementation process with a push of a button

Network Design Planning

Plan and visualize any design changes or a new design from within NetBrain's virtual design workspace

IPSLA & IP Accounting

Using IPSLA and IP Accounting, you can produce a picture of how the network is performing and being used. You can quickly understand where problems exist and applications or users that are generating traffic

Network Simulation & Validation

Simulate any design and configuration changes and conduct a what-if analysis to understand all the available choices and variations of the changes. Then validate and verify any changes against the operational network to ensure that there are no impacts to stability before implementation

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Automated Network Assessment

NetBrain's Architect Edition is the ideal solution for conducting large-scale network assessments. From network discovery to generating a full network assessment documentation package, Architect Edition's automation capability eliminates all of the manual tasks associated with traditional network assessment efforts.

Architect Edition automates all of the following assessment tasks:

- Discovery and Topology Assessment
- Configuration Assessment
- Utilization Assessment
- Application-specific Assessment
- Assessment Documentation

Powerful and easy-to-use, Architect Edition makes network assessments faster and more accurate. When faced with limited or no access to a customer network, consultants can still accomplish the job, using either of the following mechanisms:

- **0-Touch to Live Network**

With no access to a customer's network, a consultant can carry out a full-scale network assessment from a set of network configuration files provided by the customer and produce:

- Full network inventory and mapping
- Configuration analysis
- Simulation-based application analysis

- **1-Touch to Live Network**

In the case where a consultant is provided access to a customer network for a one-time discovery and benchmark, Architect Edition can be used to then generate a complete assessment using the virtual workspace without further need to access the customer network.

Enterprise Discovery Improves Network Knowledge

With extensive out-of-the-box device support, Architect Edition's high-speed discovery not only locates all devices in the network, but also gathers comprehensive information about the entire infrastructure. The detailed information gathered during the discovery process includes:

- Layer 2 port-to-port connectivity, VLAN and MPLS configuration
- L3 Routing and multicasting configuration
- ACL and firewall configurations
- Switch configurations

All information assembled is then used to build a complete data model of the entire network that is then used for generating L2/L3 maps, design simulation and network assessment.

Automate Assessments and Reduce Network Outages

By combining network assessment, design, simulation into a single portable solution, Architect Edition enables network consultants to improve the accuracy and efficiency of automated assessments and network architects to increase the effectiveness of the network design and change process.

Since our founding in 2004, NetBrain Technologies' mission has been to alter the network operations and management landscape with transformational technology. Our innovative solutions focus on simplifying and reducing the effort associated with designing, documenting and troubleshooting enterprise networks.