STABLENET®
AUTOMATED NETWORK & SERVICE MANAGEMENT

StableNet® Enterprise Solution

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Today's Enterprises & Their Challenges

Agility, efficiency, and scalability are critical success factors in managing today's enterprise networks. Distributed locations, increasingly complex network structures, technology and vendor heterogeneity, and the rapid adoption of AI, 5G, IoT, and edge computing have created an environment where organizations have to manage **large, dispersed infrastructures** while maintaining seamless performance.

Up-to-date and reliable data is crucial for making informed strategic and operational decisions. This data forms the basis for budgeting, forecasting, analysis, reporting, and improving operations. Outdated systems and fragmented tools that provide only limited insight are challenging. Instead, intelligent solutions are needed to **drive cost reductions, increase reliability, and improve the user experience.**

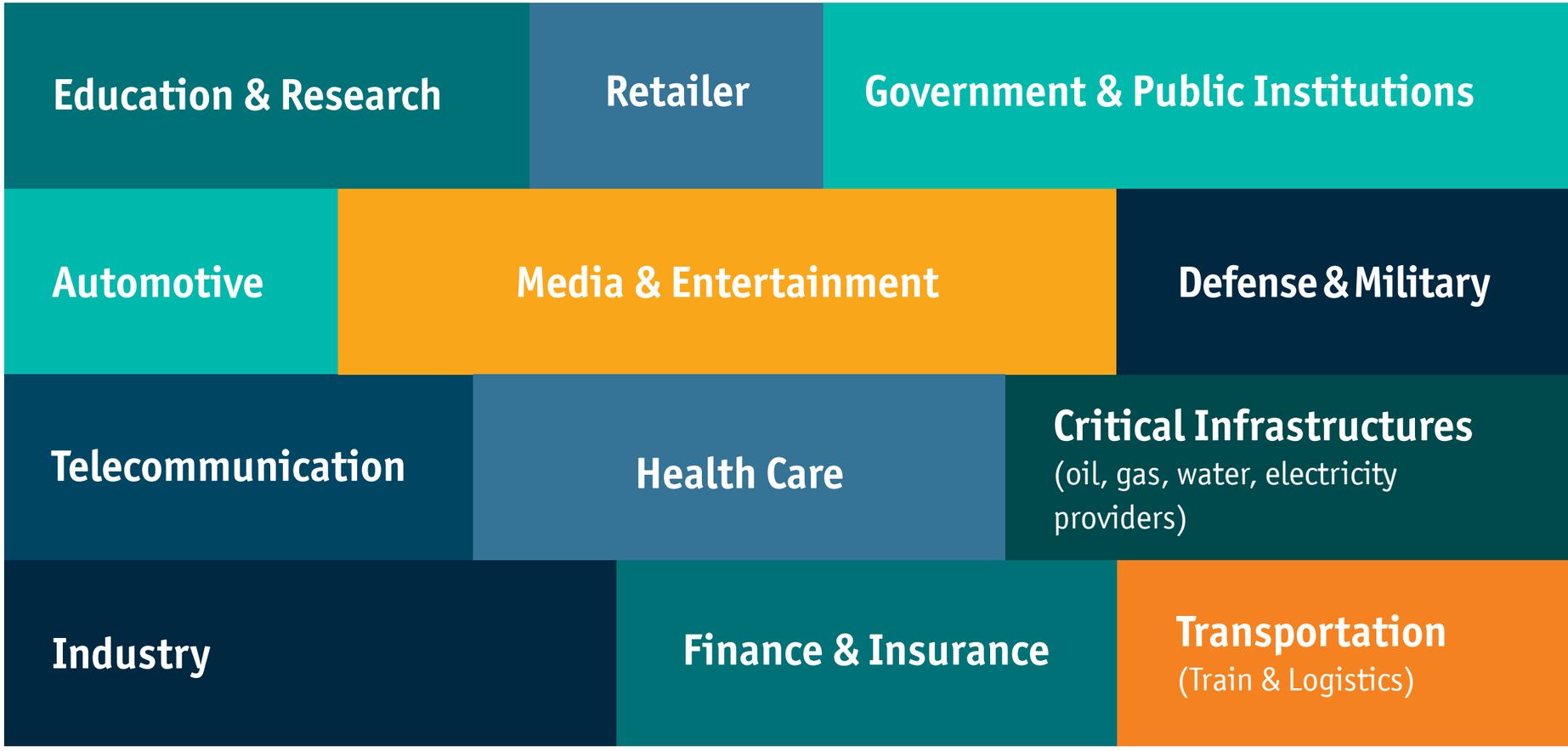
To maintain comprehensive visibility and network transparency in these hybrid, complex environments, enterprises need a scalable, automated solution with centralized monitoring that can monitor everything **from legacy to modern network structures across scattered data silos, vendor- and technology-independent.** Only through the use of intelligent, automated orchestration , enterprises can streamline their operations, reduce costs, and ensure consistent, high-quality performance.

Versatile IT Solution, Proven Across Industries

From energy, finance, manufacturing, retail, telecommunications, and more — our automated network and service management solution StableNet® is used by brands and companies worldwide across various market sectors and industries.

We know that every industry has specific requirements and challenges. Whether you are searching for better scalability, automation, customization, or flexibility — **we offer you the complete package.**

StableNet® Enterprise provides End-to-End visibility into the IT infrastructure. This guarantees a smooth and stable network operation. Bottlenecks can be localized and eliminated proactively, with the result that link overload and connection losses can be avoided. This leads to an improvement in network efficiency and a reduction of costs at the same time.

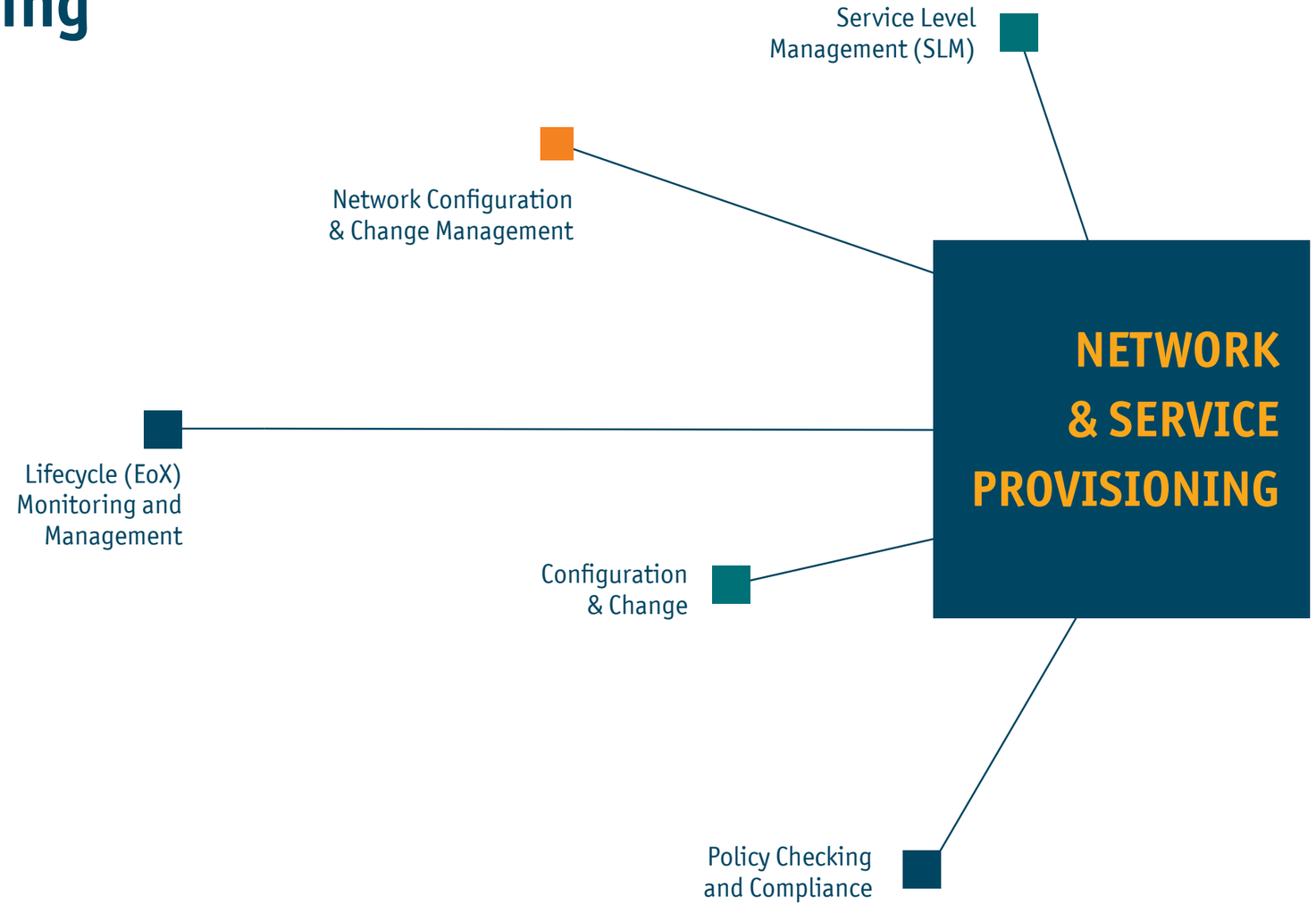


Network & Service Provisioning

Today's enterprises often operate in hybrid environments with a variety of different vendors and technologies, making it difficult to manage, provision, and monitor services consistently, especially across distributed locations. A lack of automation and standardization in service configuration and provisioning often results in a **loss of agility and efficiency.**

Incorrect or inconsistent configurations are one of the most common causes of network problems, which is why automated network configuration and change management are the backbone of any dedicated network management software. Such a software should not only be able to detect configuration changes, but also execute and reverse them in a controlled manner. In addition to compliance with regulatory requirements and enforcement of corporate policies, the identification of devices that have reached the end of their service life (EoL/EoS) also plays an essential role in proactive network management.

StableNet®'s automated network and service management solution offers a highly effective approach to simplifying network configuration and change management (NCCM). Zero Touch Provisioning (ZTP) from StableNet® simplifies the deployment of new devices by automating the configuration process, regardless of the device's location or technology. Instead of relying on fragmented tools and manual intervention, StableNet® automates the entire configuration creation and maintenance lifecycle. With automation, scalability, and unified visibility, StableNet® offers a holistic solution for network and service management that **reduces operational complexity, streamlines workflows, and maximizes resource utilization.**



Service Level Management (SLM)

StableNet® includes an **advanced Service Level Management (SLM)** and reporting system for networks, servers and applications. This provides network operators flexibility for collecting and reporting those KPIs that are most important to them and their customers.

StableNet® **collects and imports data from different data sources and protocols** like SNMP, Telemetry, NetFlow, WMI, IP-SLA, CDRs, REST APIs, CSVs or SQL. It is also possible to actively simulate traffic like VoIP or Video and measure quality parameters like MOS or R-Factor. This data can be flexibly aggregated to user-defined KPIs.

On this basis, StableNet® offers a **holistic approach to monitor and control service level agreements (SLAs).** This gives companies the opportunity to demonstrate compliance and identify potential problems at an early stage. As for end customers, they have the control and security to ensure that the services received comply with the agreed SLAs.

SLA Monitoring for Service Provider

Your focus: Performance, Proof, Prevention

- **Prove SLA compliance** before customers complain
- **Identify issues early** to avoid escalations
- **Offer dashboards** and reports as value-added services
- **Stand out with** transparency and data-driven **trust**
- **Automate SLA reporting** and reduce manual workload

Build stronger customer relationships through measurable reliability!

SLA Monitoring for Service Customer

Your focus: Transparency, Control, Optimization

- **Make sure the service you receive aligns** with what the provider promised
- **Back up complaints** with clear, objective data
- **Use** performance **insights to negotiate** contracts or adjust usage
- **Monitor** downtime, quality, and responsiveness
- **Take control** of your service experience

Hold providers accountable and make smarter decisions!

Network Configuration and Change Management (NCCM)

The StableNet® NCCM module delivers key Network Configuration and Change Management functions including **real-time configuration backup and restoration, process-oriented change management, and configuration policy management.** In additon, two subscription services for vulnerability and End-of-Life/End-of-Service updates are available for covering security and business requirements.

The NCCM module is a fully integrated component of the StableNet® portfolio, using the same common core services, device interaction layers and user interfaces. It delivers a true 'single product' management solution with a greatly reduced time for user familiarization.

Read more

Reduce configuration errors with vendor independent automation.

www.infosim.net/stablenet/network-configuration-and-change/

STABLENET®

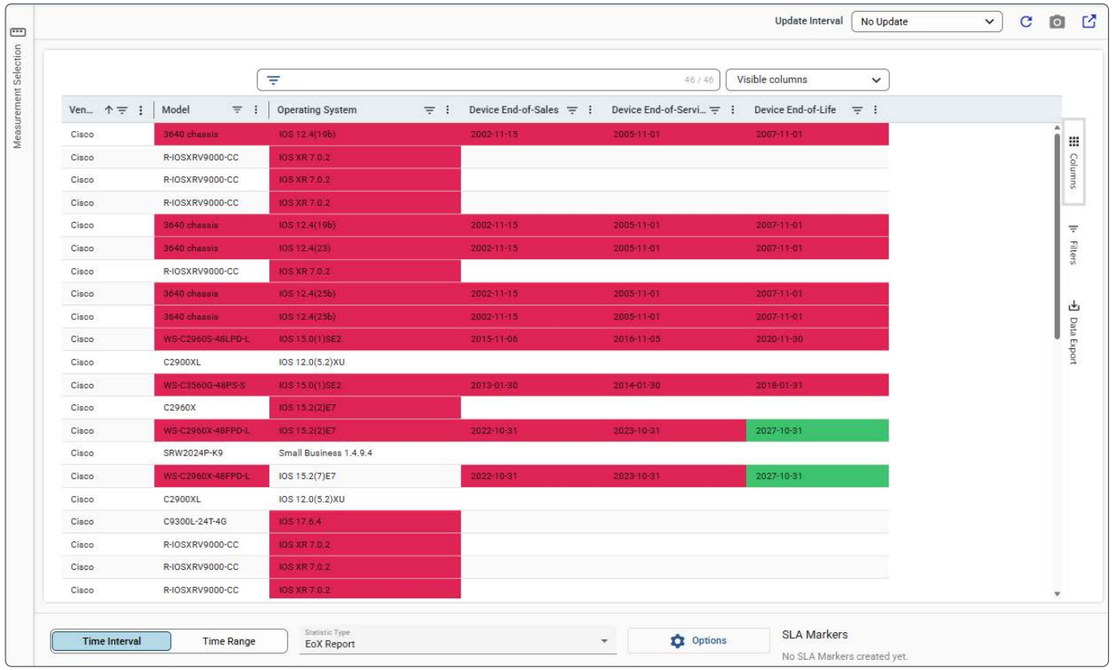
Key Benefits

- Ensures a complete configuration backup for all devices under management and enables versioning of all configuration backups for easy restoration to previous known state
- Accelerates time for completing changes and rollouts and eliminates the risk associated with human error in the change process
- Enforces corporate policies and quickly views configuration deviations from those standards
- Ensures compliance with regulatory requirements such as Sarbanes-Oxley or Basel2 with a full audit trail
- Systematically locates devices within the estate that have known vulnerabilities and mitigates against those risks
- Identifies devices that have reached End-of-Life or End-of-Service before issues arise
- Support for Netconf / YANG and telemetry devices

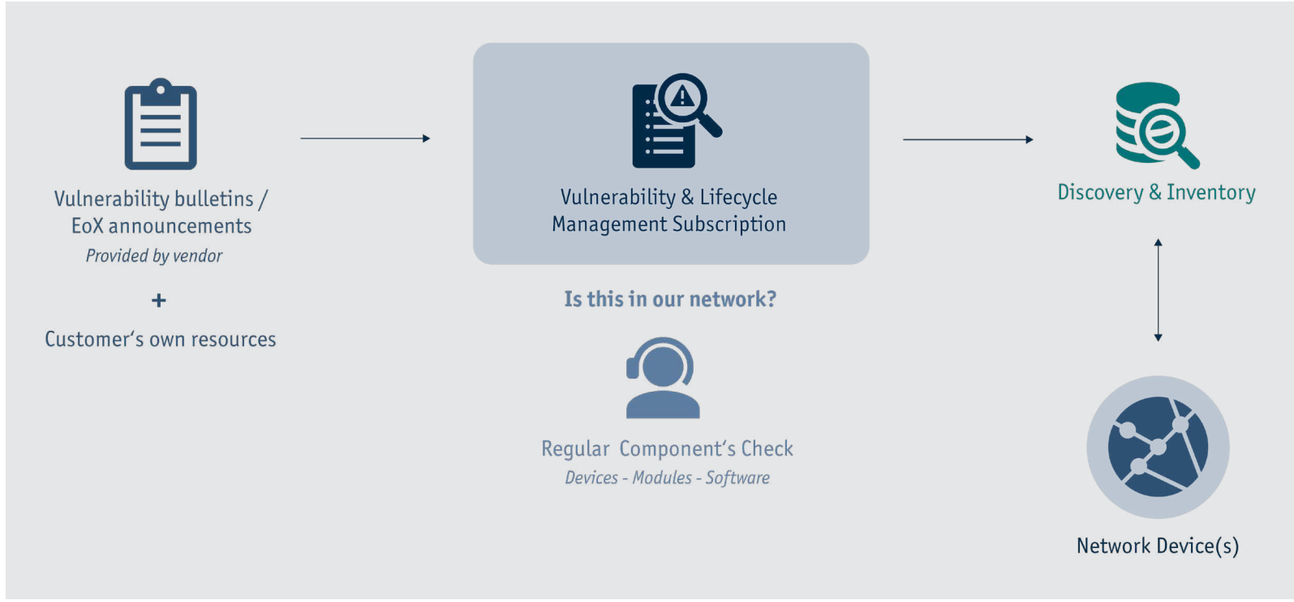
Lifecycle (EoX) Monitoring and Management

An organization using the StableNet® NCCM module can build rules to locate devices within their estate that have vulnerabilities. They can take advantage of a new service on an annual contract basis which automatically distributes new vulnerability notifications directly to the customer. This will ensure that the customer network is **immediately checked for any new vulnerability notifications and will reduce the time the network is exposed to potential danger.**

Additionally, we offer a service for **End-of-Life (EoL)** and **End-of-Service (EoS)** data for different vendors to be compliant with the actual vendor announcements. The lifecycle reports can be used to feed into hardware and software infrastructure planning, risk assessment, and contribute to the optimization of OPEX & CAPEX for financial planning and budgeting purposes.



EoX and Vulnerability: Reliability is Key



Read more

Let StableNet® help ensure that your ever-changing network infrastructure stays secure by managing vulnerabilityand product lifecycle updates (e.g. EoL/EoS).

www.infosim.net/stablenet/network-configuration-and-change/lifecycle-monitoring/

Configuration and Change

Deep Dive into the Unique StableNet® Approach to NCCM

Organizations can never truly eliminate the ad-hoc changes to network device configurations, but with the StableNet® NCCM module the impact of these changes can be mitigated. Larger scale changes can be structured into **change process jobs for controlled execution and can be rolled back at any time.** Configuration changes can be made either by using simple CLI commands or more **powerful logic-based snippets and templates** to enable less technical staff making routine changes.

At the core of the StableNet® platform is a fresh, unified approach to Network Configuration and Change Management (NCCM). Instead of relying on fragmented tools and manual interventions, StableNet® automates the full lifecycle of configuration generation and maintenance. Using discovery templates and command-line snippets enriched with variables from external data sources, the platform ensures every configuration change is both **reliable and repeatable.**

The built-in **Configuration Difference Analysis** tool brings clarity by visualizing comparisons, tracking modifications, and making it simple to understand exactly what has changed in the network. Behind the scenes, templates, snippets, workflows, and audit logs are centrally managed with **version control** and **role-based access**, giving teams both transparency and accountability.

Deployment is streamlined through **user-friendly Configuration Jobs**, which allow updates to be rolled out quickly and consistently across even the most complex networks. But StableNet® goes further than traditional NCCM solutions: it consolidates configuration automation with critical functions such as **Discovery, Fault Management, and Performance Management** — all within a single, integrated platform.

Built on a **single code base** and accessible through a **single, intuitive GUI**, StableNet® delivers more than automation. It provides a holistic framework for network and service management that reduces operational complexity, streamlines workflows, and maximizes resource utilization — setting a new benchmark for NCCM efficiency.

Zero-Touch Provisioning

Zero-Touch Provisioning by StableNet® is the vendor-agnostic solution which empowers our customers to implement an automated process for deploying their new equipment in remote offices and headquarters while simultaneously optimizing quality, oversight, and control functionalities. It is merely the first step which, in combination with automated discovery and configutation (also offered by StableNet®) , offers the opportunity for an increasingly standardized workflow. This means fewer errors, fewer headaches, and more freed-up resources to invest into more complex tasks.

Why is Data Normalization so IMPORTANT for StableNet®?

Modern networks rely on a patchwork of platforms, tools, and vendors, each producing data in different formats. Left unaligned, this data becomes fragmented, slowing insight and obscuring opportunities. **Data normalization** resolves this by standardizing information across sources, creating a consistent foundation for analysis.

For StableNet®, normalization is not simply a technical feature — it is a strategic enabler. By unifying disparate data into a **single, authoritative view**, you have a network management tool that gives you real-time visibility across the entire infrastructure, allowing you to accelerate decision-making and strengthen both operational efficiency and competitive advantage.

Policy Checking and Compliance

The key for managing device configurations is ensuring that they meet the corporate standards. The StableNet® NCCM module allows these configuration standards to be built into policies that can be applied to devices. Therefore, action can be taken if a device is in violation of these policies.

Policies can be built by using standard pattern matching techniques, advanced scriptlets for repetition checking and full script logic. This allows the user to create policies in order to **cover even the most complex requirements.**

StableNet® performs policy checks on devices and systems, and can execute defined configuration changes by enforcing corporate policies and regulatory requirements, and **quickly viewing configuration deviations from internal standards.**

Read more

Discover how StableNet® dramatically facilitates compliance, including a simplified procedure to customize rules and policies for automated compliance and self-heal compliance remediation.

www.infosim.net/stablenet/network-configuration-and-change/policy-management/

Monitoring & Observability

To ensure efficient and smooth operation in today's increasingly large and complex enterprise networks and to be able to respond quickly in case of disruptions, constant monitoring of the network infrastructure is essential. A lack of transparency and insight can lead to **critical performance, quality, and reliability losses.**

Through continuous monitoring of the IT infrastructure and comprehensive performance analysis, deviations from the target state as well as bottlenecks can be quickly identified and capacities efficiently planned. Automated root cause analysis and alarm processing are essential for quickly resolving problems and **preventing minor issues from escalating into major disruptions.**

In modern networks — driven by 5G, IoT, and cloud-native applications — the complexity is simply too great for manual processes or siloed tools. Without comprehensive monitoring and performance management, enterprises risk blind spots, inefficiencies, and slower response times. **Comprehensive transparency and seamless insights** into the status and performance of the network infrastructure are crucial for resilience, security, and long-term growth.

MONITORING & OBSERVABILITY

Root-Cause and Impact Management

StableNet® provides automated **Root-Cause-Analysis (RCA) and service impact management** for networks, systems and services. This allows engineers to focus on and simultaneously prioritize service-affecting events.

StableNet® uses a combination of threshold monitoring, SNMP trap processing and syslog processing in order to perform automated problem analysis in real-time. Events are correlated by the built-in RCA subsystem without the need to write and update correlation rules. Alarm dashboards and notifications are enriched with business and service information. This provides NOC engineers with understandable and actionable information.

Dynamic Rule Generation (DRG) expands and contracts rules that automatically troubleshoot your network by anticipating all possible scenarios from master rule sets. DRG is like cruise control for your network rule set. It can automatically expand and contract rule sets to keep troubleshooting data at optimum levels constantly, without human intervention.

Extensive reporting capabilities provide invaluable data for network planners and network managers.

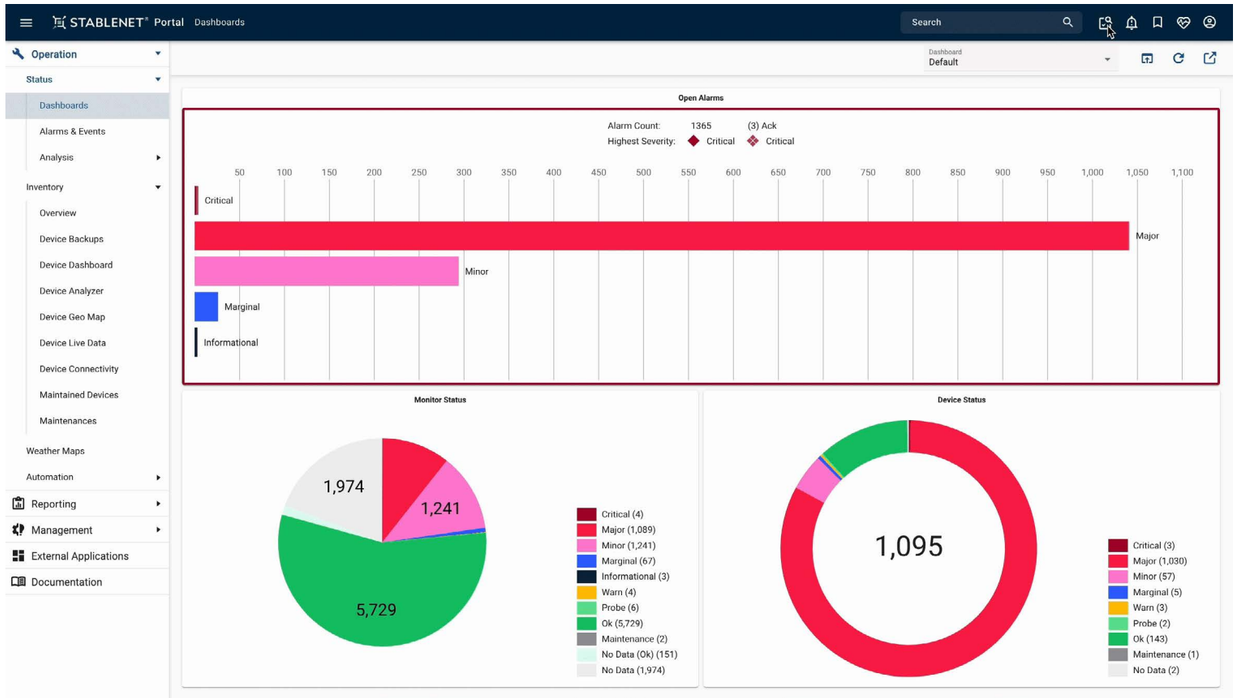
Read more

Resolve network problems quickly with StableNet® by immediately pinpointing the underlying root cause.

www.infosim.net/stablenet/fault-management/

Automated RCA by StableNet®

- Correlates root-cause events automatically without coding or updating rules
- Enriches alarm information and dashboards with business impact information
- Provisions alarm monitors for all relevant KPIs of all network assets automatically
- Supports integration with SMS, pager, email, trouble ticket and script execution on alarm events
- Provides best-in-class event reports and statistics
- Provides a real-time status dashboard of all assets and services



Trouble Ticket System Integration

StableNet® integrates with existing management applications and 3rd party applications. For example, if a trouble ticket application is used for tracking problems and resolutions, StableNet® integrates with the application in order to open a trouble ticket upon failure detection and closes it automatically upon clearance of the failure.

Network, Service and Traffic Analysis

StableNet® helps you answer critical management questions about your network, e.g. where the traffic sources are located, what policies are being followed, or about the current application trends and behaviors. With the comprehensive **StableNet® Analyzer functionalities**, you know what your normal modus operandi is, enabling you to identify and receive an alert on any deviation from the known state. Real-time views generated via the StableNet® Analyzer allow for **optimum network transparency**. You can create forecasts based on current data and configure SLA threshold markers to proactively alert and inform when traffic deviation breaches occur.

With the **StableNet® NetFlow Analyzer** you are able to monitor and analyze the performance, availability and utilization of the traffic data flow in near real time. A detailed view of the flow data helps you to **identify bottlenecks and possible security gaps**, to assess resource utilization and to analyze and optimize performance in a differentiated manner.

Read more

Answer critical management questions about your network, trends and behavior.

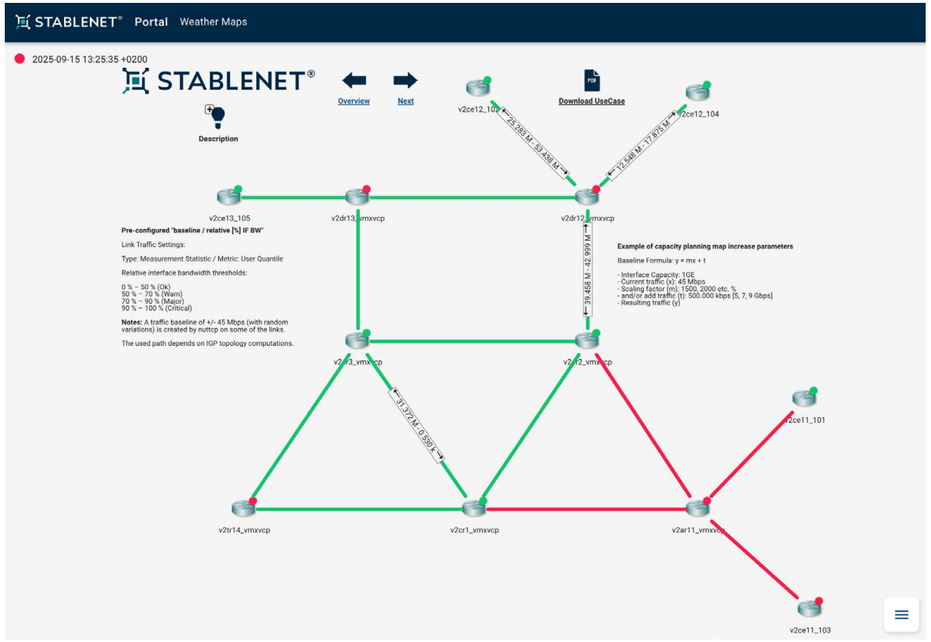
www.infosim.net/stablenet/performance-management/network-service-traffic-analysis/

Capacity and Resource Planning

Due to increasingly competitive market conditions, constantly fluctuating network traffic utilization, and growing demands for scalability, security, and efficiency, capacity and resource planning is the foundation for a modern, resilient enterprise network.

With the **Capacity Metric Module**, StableNet® customers have the opportunity to radically expand upon the current performance measurement functionalities for far greater insight. A portfolio of statistical analyses, including trend analysis and quantile filtering, make it much easier to get detailed information to specific, real-world questions. And the Capacity Metric Map empowers you to **visualize forecasts and simplify data-driven simulations** so you can have time to proactively plan additions to your infrastructure before it's too late.

StableNet®'s capacity management provides an insight into the current utilization of all IT systems, the determination of **future capacity requirements and the optimal and efficient planning of resources.** This not only gives enterprises a valuable insight into the current status of the infrastructure, but also provides the basis for business decisions and investments.



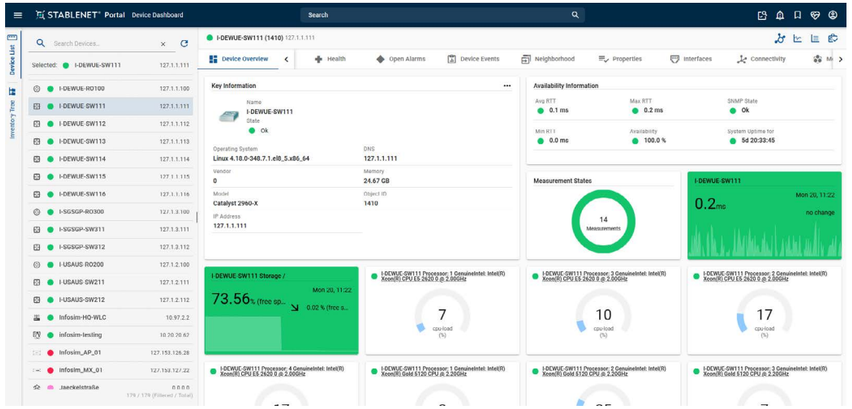
Network Visualization & Mapping

For Enterprise networks managing vast, multi-vendor, multi-layer networks, unified network visualization is no longer a luxury — it's a necessity. StableNet® **transforms abstract network data into intuitive, dynamic visuals** that empower teams to see, understand, and act faster.

From a single, unified interface, you can visualize end-to-end services across technologies, vendors, and geographies — eliminating blind spots and enabling real-time, informed decision-making.

Dashboards

StableNet®'s dashboards consolidate all visualizations in one place, combining maps, charts, and health indicators into customizable **views tailored to your role.** From high-level overviews for management to detailed operational NOC dashboards, StableNet® dashboards make it easy to track KPIs, monitor incidents, and ensure network reliability.



Read more

StableNet® turns complexity into clarity so you can proactively optimize performance, prevent outages, and maintain full operational control.

www.infosim.net/stablenet/network-visualization/

Network Maps

StableNet®'s network maps offer a real-time view of your entire infrastructure — from core routers to edge devices. Use static maps for documentation or dynamic, auto-updating maps for live monitoring. Network Maps help NOCs and engineers **quickly spot topology changes, device status, and connectivity issues.**

Charts & Graphs

Complement your network maps with charts and graphs that visualize key performance metrics such as bandwidth usage, latency, and interface load. These visual elements turn raw data into actionable insights, making it easier to **spot trends, compare performance across devices, and detect anomalies** before they affect users.

Reporting Engine

StableNet® provides a highly flexible reporting engine. All reports can be fully customized to best meet specific requirements. A graphical report designer allows users to create reports in simple point-and-click fashion. StableNet® supports PDF, Excel and HTML format. Reports can be forwarded on schedule, i.e. with hourly/daily/weekly/monthly output or on-demand as desired.

StableNet® runs 24/7 and identifies and reports IT infrastructure performance and events on a near real-time basis. In addition, the software performs historical reporting for identifying long-term trends. This will allow you to:

- Understand the quality of service(s) provided to end users
- Increase business revenue by reducing outages that directly affect business operations
- Increase customer satisfaction and loyalty by ensuring that services used directly by consumers are responsive and available whenever required
- Plan proactively for meeting future business requirements, including workload volumes and necessary service levels
- Increase ROI on IT assets by balancing workloads and obtaining the highest levels of component utilization while still meeting service level requirements
- Reduce or eliminate penalties associated with contractual commitments for meeting specified service levels

SLA Reports

SLA reports document the network operator's delivery against contractual obligations. They are often less detailed than performance reports and only show performance at the service layer; lower layer information such as the underlying transport network are usually not included.

Usage Reports

Usage reports show utilization, volume and throughput with baselines, top N and trends. Going beyond monthly totals for providing timelines can help users to understand peak and off-peak loads. In addition, they assist in sizing the network correctly for meeting actual demands.

QoS Reports

QoS reports help customers to understand performance and usage per Class-of-Service (CoS). This is important for converged networks like IP-based RANs. For best performance results, QoS reports include information which is necessary for correct classification as well as for application traffic-tuning.

Network Audit Checklist

- √ **Network Inventory:** Up-to-date and hands-free
- √ **Vulnerability Detection:** Stay safe across vendors and technologies
- √ **Lifecycle Management:** Plan ahead for End of Life device series in your network
- √ **Configuration Governance:** Keep access privileged with clear roles
- √ **Policy Compliance:** Automated adherence to compliance requirements
- √ **Verify Configurations:** Small errors can snowball into larger problems
- √ **Report Generation:** Simplified, automated reporting to share insights

Comprehensive End-2-End-Visibility

StableNet® offers you a comprehensive, holistic out-of-the-box feature set to manage even the most complex of network infrastructures. For use cases where specialized tools are required, StableNet® seamlessly integrate third-party applications and technologies (e.g. specialized packet capture tools, TWAMP, etc.) to achieve deeper insight into the entire network traffic and identify meaningful correlations.

Through close cooperation with manufacturers and partners, information is normalized and integrated into a single data infrastructure in order to streamline the management of your entire network and/or services. With StableNet® you have a flexible, scalable and highly automated foundation for all of your network management needs.

Read more

Offer your customers an outstanding level of quality, performance and service.

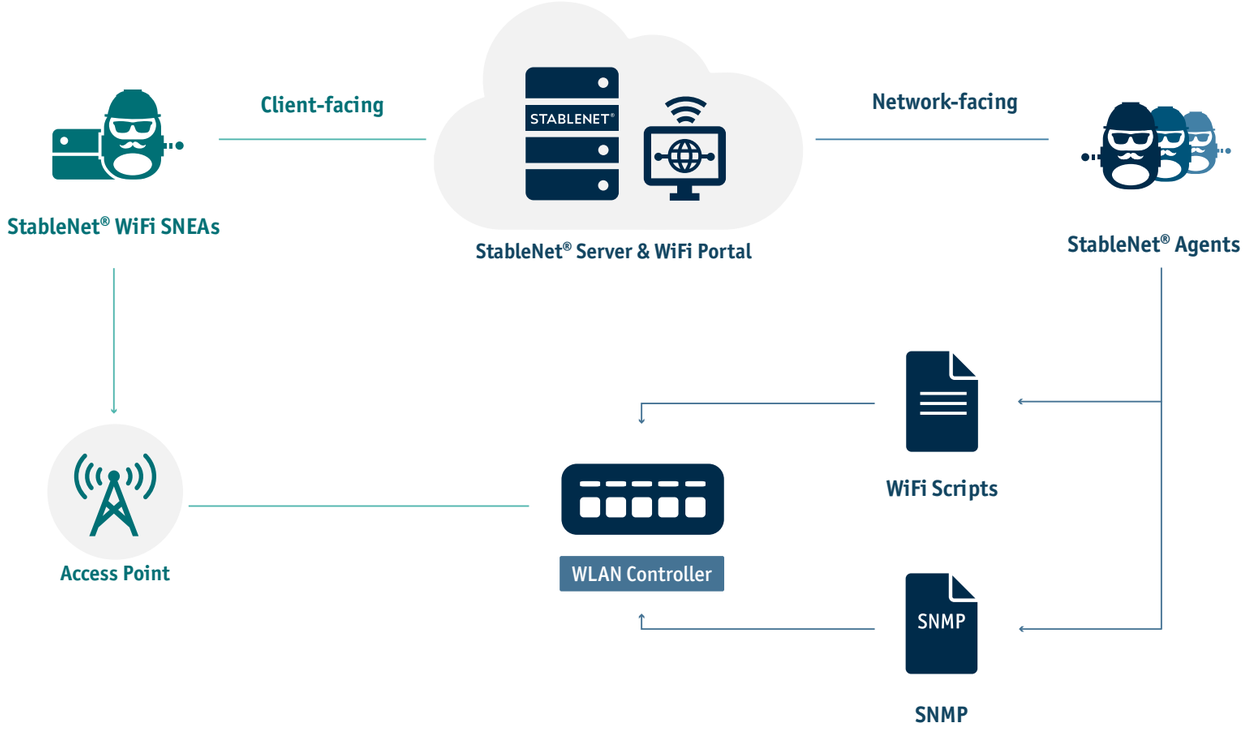
www.infosim.net/stablenet/fault-management/service-assurance/

Network- & Client-Facing WLAN Management

StableNet® Wi-Fi Portal

With the StableNet® Wi-Fi Portal, you can remotely troubleshoot any number of wireless network connectivity issues. The solution is based off of a strategically planned **distribution of StableNet® Embedded Agents (SNEAs)**, each capable of capturing performance data from a **user's perspective** in connecting to one or several local Wi-Fi networks. Disguised as a BYOD, they are able to assess the complete service chain and report back the exact service that doesn't work.

With the StableNet® Wi-Fi Portal, we have developed a solution to help you gain invaluable insight into your **client-side Wi-Fi performance**. With multiple measurements, full StableNet® integration, and a reliable cloud-based architecture able to use both wireless and LTE/UMTS options for communication, the issues with your Wi-Fi network are immediately detected so targeted countermeasures can be implemented as quickly as possible.



With the **network-facing discovery** of StableNet® WLAN Controller Scripts, it is possible to radically improve the performance of your Wi-Fi network through the use of technically sound information derived from regular measurements. The **StableNet® WLAN controller scripts** enables you to discover WLAN access point networks from multiple vendors and to integrate them into StableNet®. The scripts designed for this purpose use the SNMP protocol to extend the discovery functionality by not only retrieving information about the WLAN controller but also all access points connected to it.

Together with the StableNet® Wi-Fi Portal, **both solutions provide reliable troubleshooting of connectivity issues**, with the scripts focusing on the physical side and the SNEAs focusing on the service and its quality. These Wi-Fi measurements finally put an end to tedious troubleshooting and time-consuming network management and instead enable reliable and accurate monitoring through a variety of measurement data about the access points.

Read more

Stay on top of your wireless connectivity, ensure a reliable infrastructure, and pave the way for exponential IoT growth with network performance assurance and user experience measurements in a single solution.

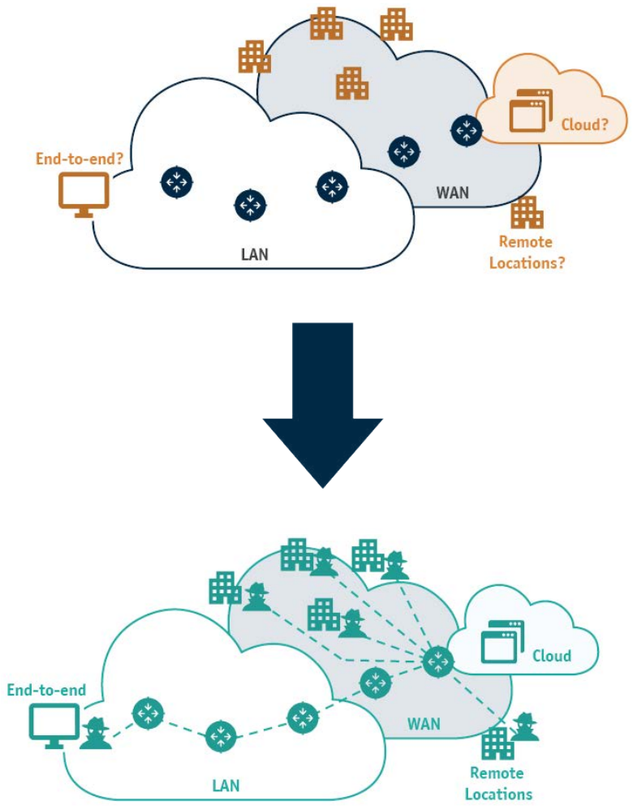
www.infosim.net/stablenet/stablenet-wi-fi-portal-use-case/

Read more

Replace resource-intensive troubleshooting and inconsistent connection quality of your Wi-Fi network with reliable measurements and automated discovery.

www.infosim.net/stablenet/network-client-facing-wlan-management-use-case/

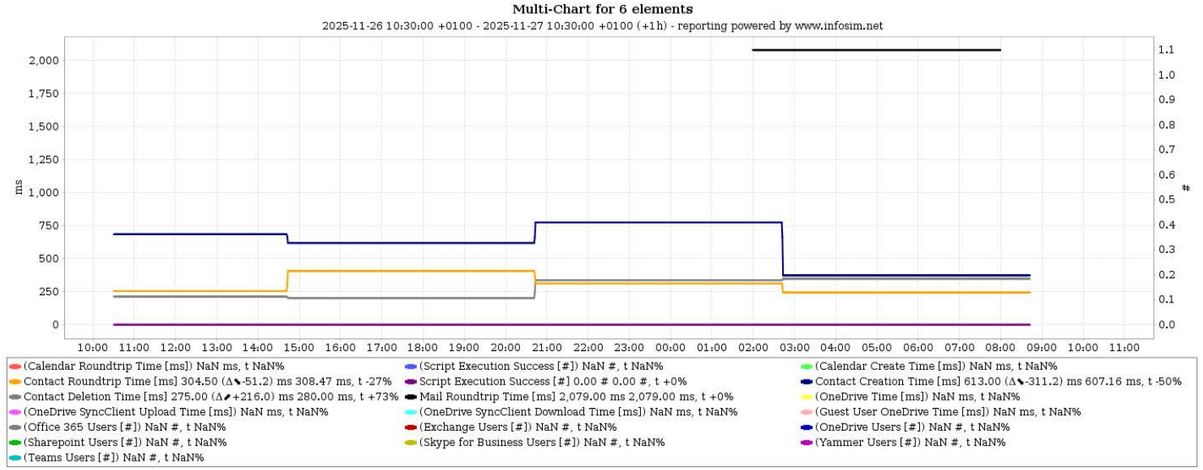
Hybrid Cloud Monitoring & End-to-End Service Quality Assurance



With the rapid adoption rates of public cloud services such as Microsoft Azure, Amazon AWS, Office 365, and others, it is more important than ever to adopt a holistic network and service management solution that can monitor and troubleshoot increasingly complex infrastructures.

StableNet® is able to **access public cloud services through multiple protocols, including existing APIs**. This integration, along with the **distributed StableNet® Embedded Agents (SNEAs)**, provides the basic framework for a holistic, cross-technology solution that can be both highly-automated as well as -customized to meet your specific needs.

Once you have integrated your multiple technologies, be it legacy, SDN/NFV, telemetry or multi-cloud, you have access to a powerful StableNet® engine which is able to **drive the entirety of your network and service management needs.** Your once fragmented infrastructure that required multiple tools to manage can now be entirely maintained in a single user interface. You can choose the KPIs that matter to you and track them across silos to achieve a holistic overview.



Read more

Automate your cloud infrastructure and automated monitoring and reporting with StableNet®

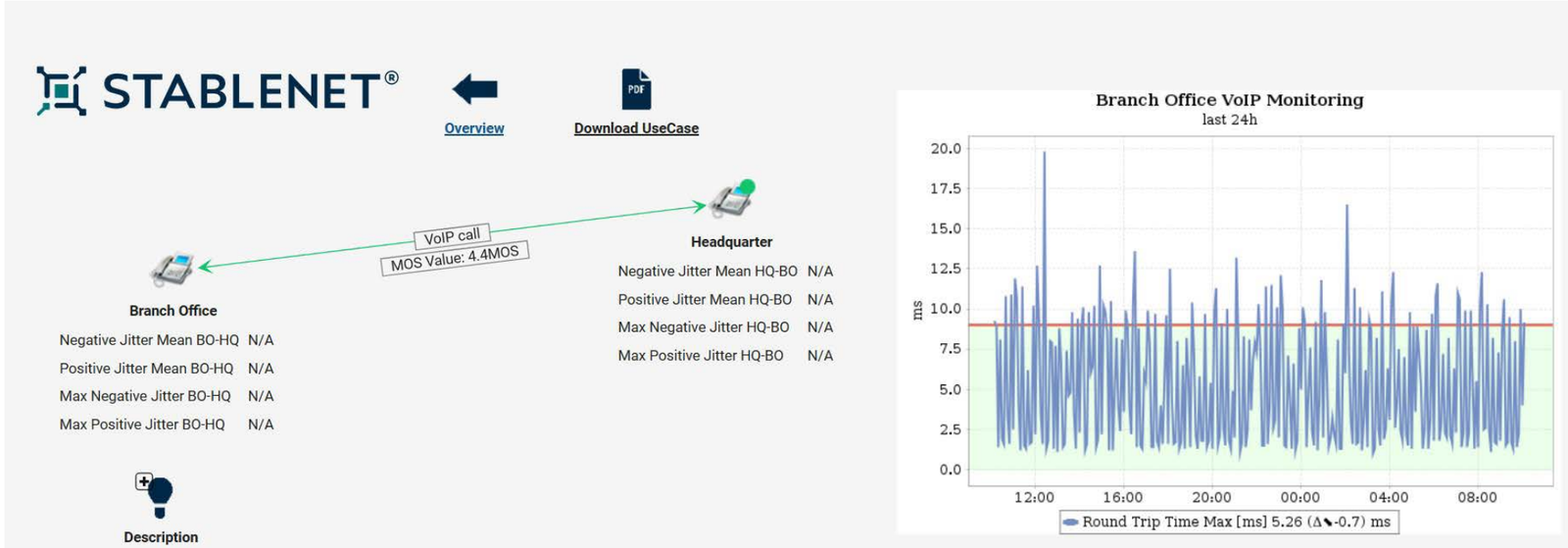
www.infosim.net/stablenet/performance-management/cloud-monitoring/

End-to-End VoIP and Video Quality of Service Management

Many VoIP tools focus solely on performance metrics to manage the technical aspects directly related to a particular voice call and determine the overall service quality. But the underlying network infrastructure is an equally important component to guarantee a good end user experience. What you need is a **complete end-to-end, multi-functional management wrap that spans and proactively monitors the entire VoIP communication path.**

StableNet® offers a comprehensive solution for VoIP quality assurance, addressing network infrastructure, transmission protocols, and end-user hardware and connection quality. It collects a wide range of Key Performance Indicators (KPIs) from diverse end-to-end measurement perspectives, including customer satisfaction metrics like **Mean Opinion Score (MOS) and network-centric parameters such as latency, jitter, and packet loss**. Utilizing Session Initiation Protocol (SIP) for signaling and Real-time Control Protocol (RTCP) for Quality of Service (QoS) measurements, StableNet® provides a holistic view of call quality and network performance.

With StableNet®, you can **collect, consolidate, query and intelligently filter call data sources.** By executing this across multiple systems, you are able to achieve a complete assessment of hitherto fragmented information in order to analyze and assess call quality. StableNet® allows you to augment this information with a complete overview of your network infrastructure (including Fault Management, Performance and Capacity Analysis, Lifecycle Monitoring and Vulnerability Compliance Tracking), providing you with a platform that empowers you to truly control for End-to-End Service Quality Assurance.



Visualization Example: VoIP Call Monitoring between Branch Office and Headquarter

Read more

Find out how StableNet® empowers you to take control of your end-to-end VoIP and video services with a vendor-independent solution that monitors the performance of the underlying packet transport network.

www.infosim.net/stable-net/end-to-end-voip-use-case/

IoT Monitoring

Networks have evolved and expanded far beyond traditional endpoints. Essentially every area of our world can now be both interconnected and monitored via simple Internet-connected sensors and devices. With this growth in BYOD, VoIP, SDN/NFV switches and routers, and IoT today's network managers are faced with the main two challenges of Scalability and Security.

Management of IoT Infrastructures

As the Internet of Things (IoT) becomes increasingly ubiquitous, so too does the need to find an effective solution for dealing with this proliferation of devices and connections. With our unified network management solution StableNet® we focus on addressing core IoT challenges with a flexible, innovative platform for different architectures in the space of 4g-, 5g-, LoRa- or SigFox-networks based on Intel, ARM and other technologies.

StableNet® is designed to connect "any-to-any," providing new levels of assurance and interoperability to both legacy and modern IoT infrastructures.

Read more

StableNet® technology revolutionizes the management of large heterogeneous network infrastructures.

www.infosim.net/stablenet/performance-management/service-oriented-architecture-apis/

Our history of supporting ultra-large-scale global networks by implementing StableNet® as a automated network and service management solution makes us uniquely qualified for managing large-scale IoT systems.

By enabling protocols, networks, databases, and applications to talk to each other securely, as well as providing holistic, end-to-end visibility, Infosim® provides viable, cost-effective connectivity along with all of the accompanying business and end-customer advantages.

Telemanagement Forum (TMF) is a non-profit global industry organization providing leadership, strategic guidance, and practical solutions to improve the management and operation of communications services. Infosim® is a **long-time active TM Forum member**, winning multiple TMF Catalyst awards. Guidelines and standards published by TM Forum facilitate the integration and interoperability of OSS/BSS solutions.

StableNet® is designed on the principles and frameworks of the TM Forum and are active members in:

- The TMF Business Process Framework (eTOM)
- The TMF Frameworx program (formerly NGOSS)

As co-lead of the **TMF Information Framework (SID)**, StableNet® aligns with both eTOM, as well as with ITIL for a granular process mapping of the IT operations aspects of a service providers' End-to-End service delivery model. This alignment extends to Frameworx through its unified network and services abstraction model, which provides the required foundation for the identification of all objects to be managed. All manageable objects correspond to **TMF Business Process Framework (eTOM)** to support resource management, operations and service management, and CRM processes.

StableNet® Business Intelligence

Transforming Data into Power

StableNet® Business Intelligence (SNBI) **extracts data from various business-relevant systems and enriches it with network performance data.** By integrating external data sources and advanced analytics, global dependencies of different business areas can be uncovered and tracked. Consolidated into SNBI dashboards, this data helps to understand, visualize and share the relationships between interrelated processes via **easy-to-use dashboards and reports.** It supports multi-tenancy so that the sharing of centralized information can be customized for different user groups and roles.

Whereas StableNet® has built its name on consolidated network management, with StableNet® BI you have a **consolidated toolset for intelligent business management** to better understand your customers' needs, meet compliance guidelines and SLAs, avoid wrong decisions and save costs.

Key Benefits:

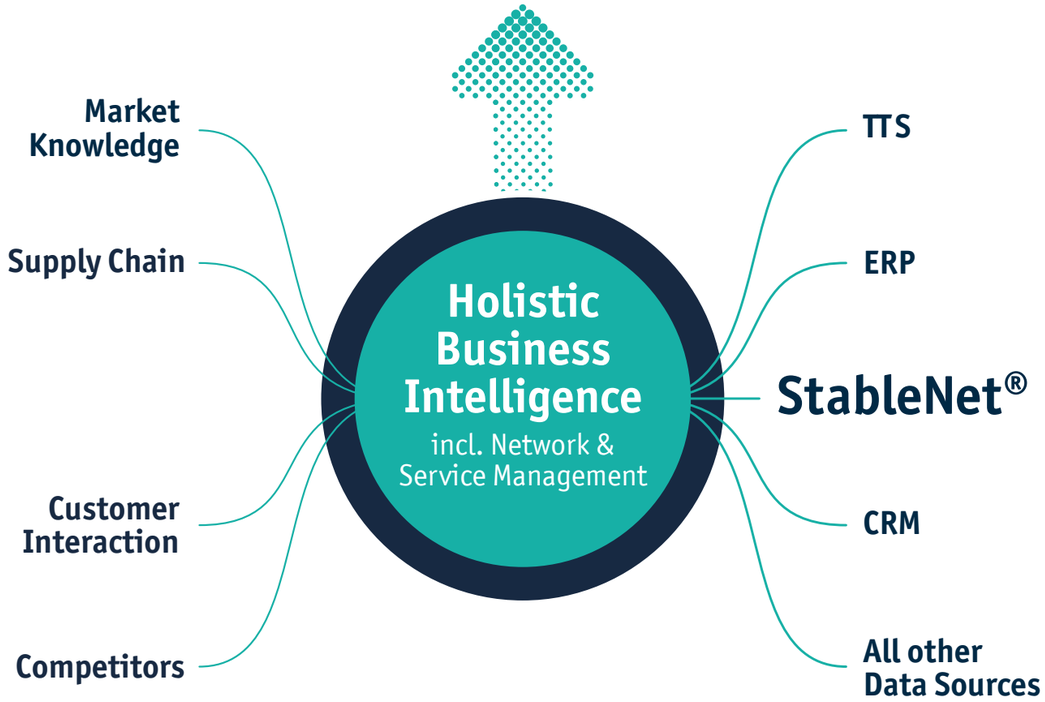
- Enrichment and correlation of network performance data with business data
- Seamless integration of many different external and internal data sources and (non-technical) KPIs
- Proactive and precise strategy development and excecution for sustained, long-term growth
- Early identification of problems and opportunities through intelligent trend and correlation analysis

Read more

Enjoy the industry-leading automated network & service management platform enhanced with meaningful additional business data.

www.infosim.net/stablenet/solutions/stablenet-business-intelligence-bi/

Business Strategy



External Information Sources

Internal Information Sources

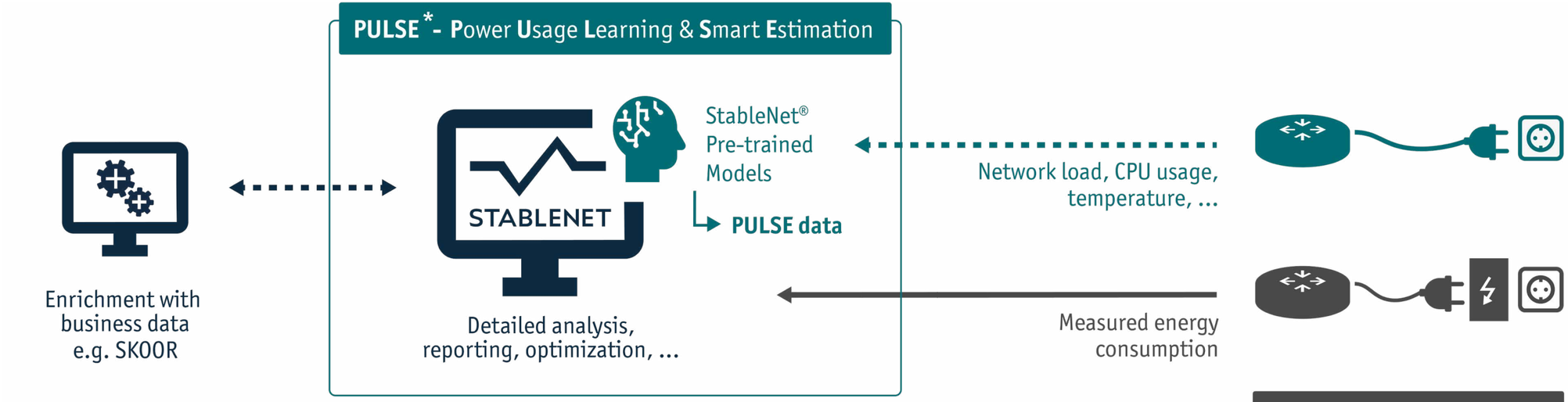
Achieving Energy Efficiency

Energy Consumption Monitoring & Regulatory Compliance

Traditionally, measuring an enterprise network's energy consumption has been complex and resource-intensive. Businesses have had to rely on devices that can self-report their energy usage — a capability that remains rare in practice — or use external power measurement devices, which are difficult to scale and impractical for large, complex networks.

StableNet® overcomes this challenge by introducing a **model-based measurement approach**. Instead of requiring costly external metering tools, StableNet® leverages standard network performance parameters — such as temperature, CPU and RAM usage, device activity, network load, and port utilization - to estimate energy consumption using pre-defined models. These models are based on measurements provided by research institutions or vendors. StableNet® is able to process these models, ensuring accurate and scalable energy measurement without additional hardware.

StableNet® consolidates a wide range of network monitoring and management functions into a single, unified platform, providing complete visibility into the network infrastructure. With **built-in tools for energy measurement and monitoring**, there is no need for an additional specialized tool. StableNet® can be used not only for monitoring, but also for **reducing and optimizing energy consumption**. Thanks to StableNet®'s innovative model-based approach, energy consumption is transparent and optimization achievable. Network energy measurement is now **streamlined and efficient**.



***PULSE**
A StableNet® proprietary algorithm for estimating power consumption

Read more

A comprehensive solution for energy consumption monitoring and regulatory compliance. Gain critical visibility into your enterprise network's energy consumption and optimize resource efficiency.

www.infosim.net/stablenet/energy-efficiency-use-case/

StableNet® – Overview

Automated Network and Service Management

StableNet® is an automated network & service management platform designed to address today's many operational and technical challenges of managing distributed and mission-critical IT infrastructures.

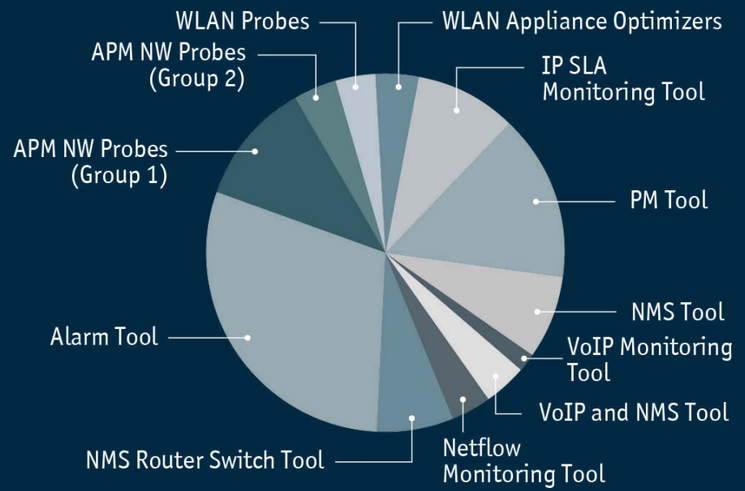
The **4-in-1 unified solution** provides Discovery, Configuration, Fault and Performance Management and brings the fragmented pieces of today's **multi-technology and multi-vendor** network infrastructures together under a single platform.

Infosim®'s customers include many **well-known global brands spanning all market sectors** and key industries like energy, finance, manufacturing, retail, telecommunications, and many more.

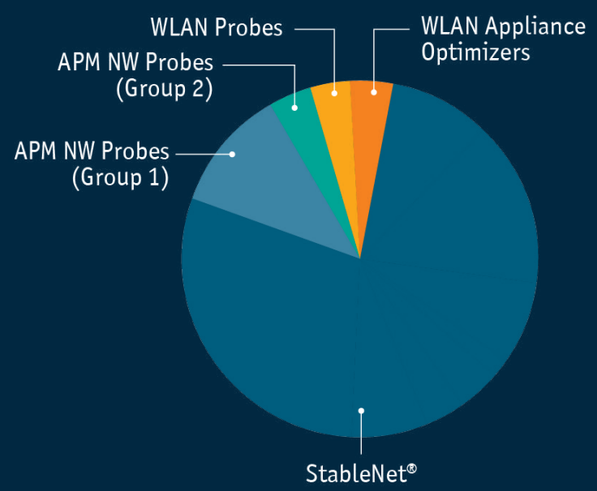
More about StableNet®

www.infosim.net/stablenet/

Before StableNet®



After StableNet®



Why StableNet®?

- SOA-based technology, providing a high degree of integration and flexibility
- Proven solution with a large number of installed sites
- Reduction in OPEX & CAPEX via product consolidation, step-by-step migration and retirement of existing legacy element management solutions
- Automated service delivery directly from your integrated service catalog
- Configuration & Policy Governance that maximizes service availability and reduces MTTR
- Rapid ROI by reduction in OPEX & CAPEX and customer service credits via greater service availability
- Quality software design you can trust and rely on

Innovation & Quality

StableNet® Innovation Lab

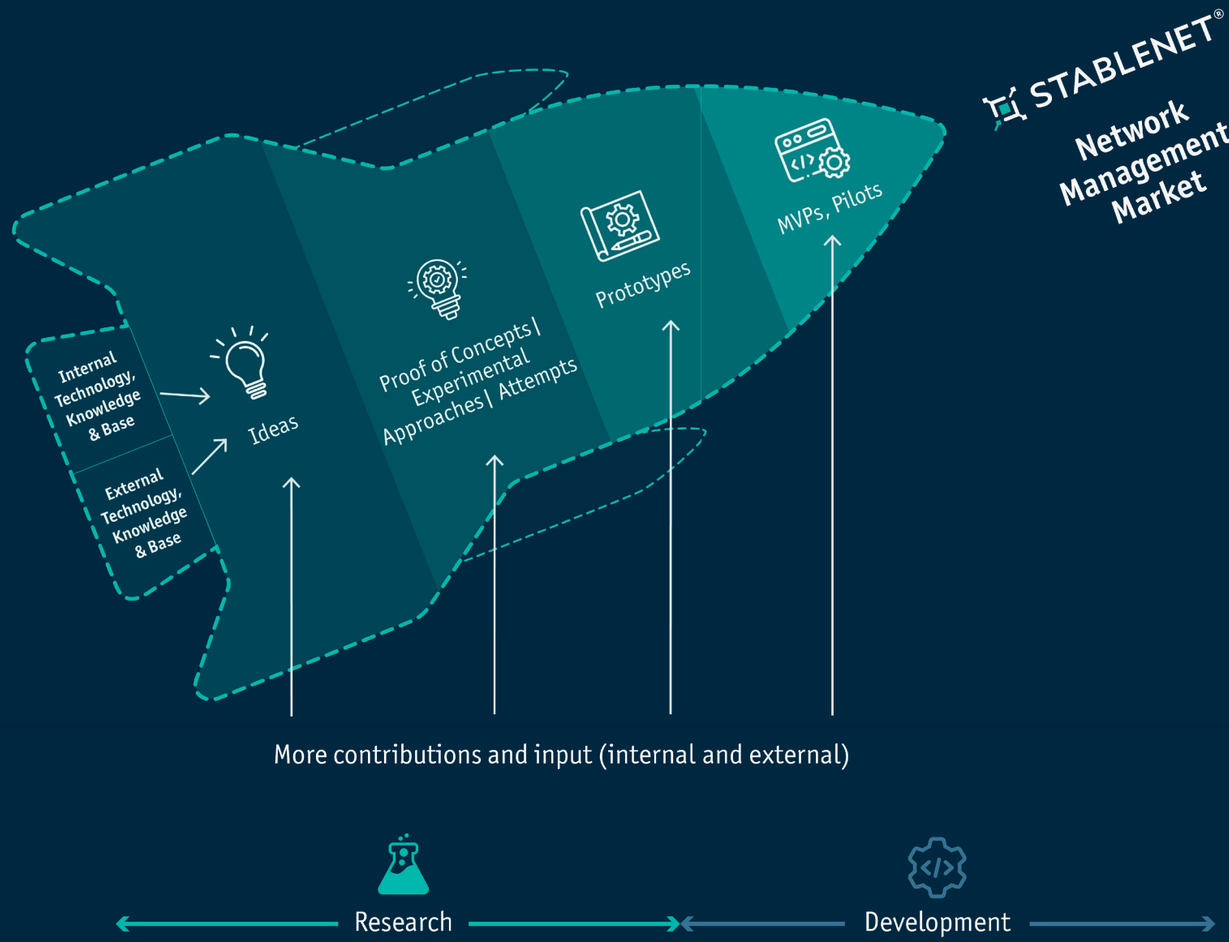
The StableNet® Innovation Lab brings together users and partners of the network and service management platform StableNet® with our internal team of highly-skilled researchers. The collaborations revolve around the implementation of cutting-edge technologies impacting both the present and future of network management.

Projects from **artificial intelligence and machine learning to anomaly detection and capacity planning** are underway, all of them with the shared goal of collectively exploring best practices in unifying the newest research findings with real-world applications that matter most to you.

STABLENET®
INNOVATION LAB

More about StableNet® Innovation Lab

www.infosim.net/innovation/stablenet-innovation-lab/



Success Story

Smarter Networks with StableNet®

From disaster scenarios to daily network operations, AI and ML are redefining reliability for broadband providers. Together with its partners in TM Forum Catalyst projects, Infosim® has played a key role in finding practical applications for AI and ML-powered network management. The StableNet® Innovation Lab is a team of dedicated researchers driving the future development of the industry-leading network and service management platform StableNet®. They are committed to leveraging theoretical advances and applying them in collaboration with service providers to achieve concrete improvements in network management.

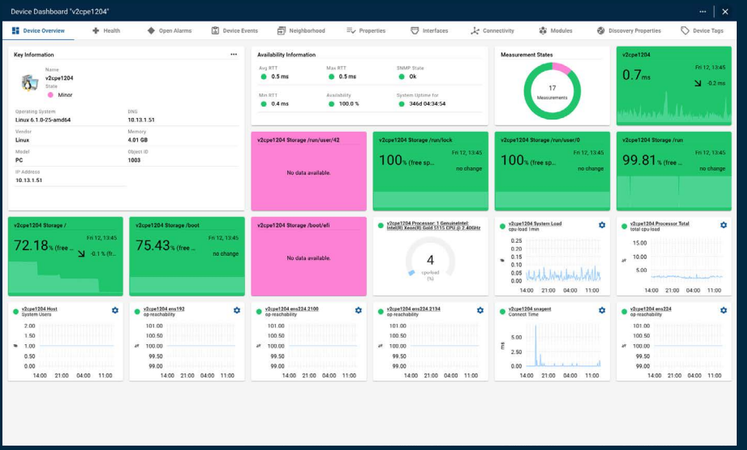
In their latest TM Forum Catalyst project, the team demonstrated that AI-driven network automation reduces service interruptions by up to 80%, cuts manual labor by 50%, and dramatically shortens time-to-market. This shows how AI and ML can give broadband and service providers greater control and agility. Instead of reacting to outages, operators can now proactively predict and prevent them. StableNet® is committed to helping service providers create more robust fiber networks, smarter operations, and a better customer experience — while reducing costs and complexity.

The StableNet® Platform

Automated Network and Service-Oriented Architecture

The StableNet® platform technology revolutionizes management of **large heterogeneous network infrastructures**. StableNet® enables network operators to automate End-to-End provisioning of service assurance processes such as measurements and monitoring.

This creates a **pane-of-glass visibility and enables real-time event and error management** — a must for achieving top-level goals like reducing operating complexity and costs. The StableNet® platform enables rapid creation of new services and improves quality of service.

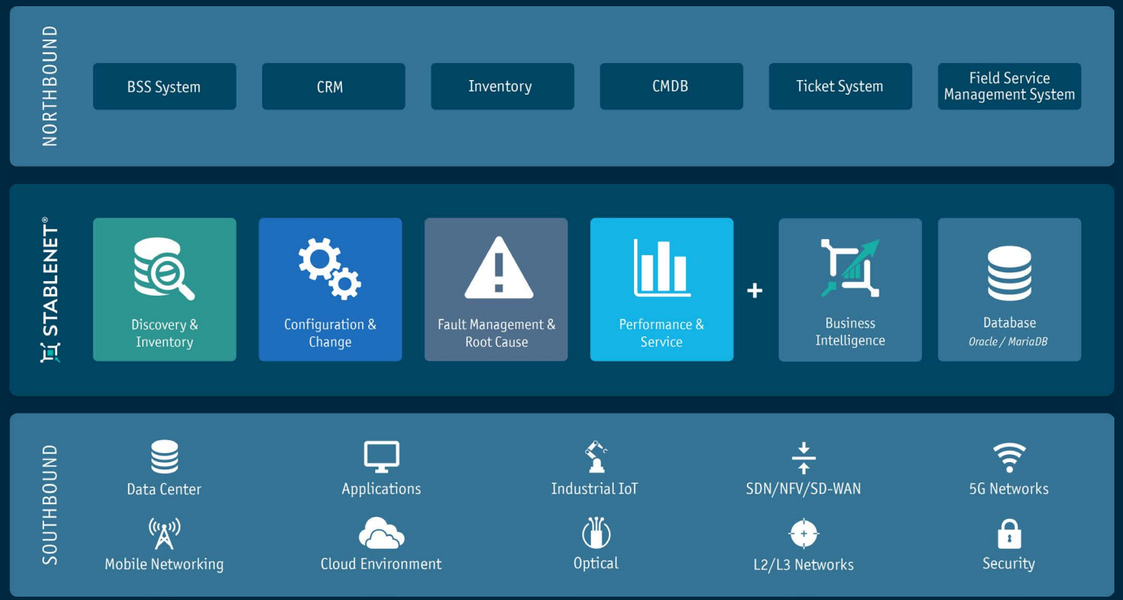


StableNet® extends the boundaries of legacy silo-based network management by integrating service assurance and service fulfillment on a single platform:

- Fault management with impact management and Root-Cause-Analysis in order to correlate approximately 90% of all alarms and enrich them before they reach an operator
- Performance measurement and data normalization for collecting traffic data and performance KPIs from network elements and circuits
- Configuration management combines highly automated service provisioning with resource management and a CMDB

StableNet® is built with 3rd generation network data management architecture. This architecture provides exceptional accuracy and scalability. It is designed for reliability and ease of deployment from the ground up.

StableNet® can be deployed on a **multi-tenant, multi-customer, or dedicated platform** and can be operated in a highly flexible and dynamic environment such as cloud or dynamic flex-compute environments.



3 Variations — 1 Holistic Solution

The StableNet® Portfolio

StableNet® integrates Discovery & Inventory, Fault Management & Root Cause Analysis, Performance & Service, Network Configuration & Change on one single platform. This innovation reduces capital and operational expenses.

Customization

StableNet® provides an excellent out-of-the-box solution which can be further customized to accomodate individual requirements.

Consolidation

StableNet® unifies the management of multiple vendor-specific network tools and technologies, along with firm-specific databases, into one GUI.

Scalability

StableNet® delivers a flexible framework that is scalable to any sized network. This not only accommodates rapid growth, but also the ability to handle connections from an ever-increasing array of IoT devices.

Automation

StableNet® delivers immediate, cost-saving (OPEX and CAPEX) automation without large upfront programming investments.

The automated network and service management solution is available in three versions:

- **StableNet® Telco** for CSP/ISP/MSP customers
- **StableNet® Enterprise** for Corporations Service Integrators and Managed Service Operators
- **StableNet® as a Service (SNaaS)** for small and mid-sized Telecom & SaaS Operators and Enterprises

StableNet® Telco

A multi-vendor, Telco-grade solution providing Service Assurance, Service Fulfillment, Fault & Performance Management, Automated Root Cause, & NCCM with open interfaces into your OSS environment.

StableNet® Enterprise

A unified management solution for IT Services, VoIP and Network Providers providing Fault & Performance Management, Automated Root Cause, & NCCM.

StableNet® as a Service

Software as a Service: On-demand application delivery — get the benefits of StableNet® without all of the up-front cost or ongoing complexity of maintenance.

Explore all of StableNet®'s features to find the best solution for your network monitoring and management needs:

More about StableNet®

www.infosim.net/stablenet

Get the Digital Enterprise Booklet

www.infosim.net/stablenet/solutions/stablenet-enterprise/

Infosim® GmbH & Co. KG

Software & IT Solutions

Infosim® is a privatly held, international IT company with offices in Germany (Würzburg – Headquarter), USA (Austin) and Singapore. The continuous growth over the past years has successfully positioned Infosim® as a leading provider of automated Service Fulfillment and Service Assurance solutions for Telcos, ISPs, Managed Service Providers, and Corporations.

Since 2003, Infosim® has been developing and providing the automated network and service management platform StableNet® to Telco and Enterprise customers. Infosim®'s world-wide partner network and collaboration with renowned universities all around the globe are additional keys to the company's success.

We look forward to hearing from you!

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Resources and Further Information

Follow the links below for further information about Infosim® and StableNet®.

1. Infosim® Website: www.infosim.net
2. StableNet® Use Cases: www.infosim.net/stablenet/resources/use-cases/
3. StableNet® Success Stories: www.infosim.net/stablenet/resources/success-stories/
4. StableNet® White Papers: www.infosim.net/stablenet/resources/white-papers/
5. StableNet® Industry Reports: www.infosim.net/stablenet/resources/industry-reports/
6. StableNet® Videos & Tutorials: www.infosim.net/stablenet/stablenet-in-action/

For any additional information, demonstrations or webinar requests: www.infosim.net/contact-locations/

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