

HPE NonStop cF uLinga for Enterprise Extender

Enables SNA between hosts and servers, natively over IP while still retaining use of SNA APIs

HPE NonStop cF uLinga Enterprise Extender (EE) provides Systems Network Architecture (SNA) support on HPE Integrity NonStop X and HPE Virtualized NonStop systems. It enables seamless migration from SNA to TCP/IP and provides a level of fault tolerance across the links where available.

HPE NonStop users that deploy EE eliminate SNA from a critical part of the network, even from the last wire tails that connect to traditional routers. This often involves removing the very last of any physical SNA network presence within the data center itself. Unlike data-link switching (DLSw) solutions, when deploying EE IP, connections are terminated within each server that supports the EE protocol high-performance routing/IP (HPR/IP). For those responsible for network monitoring, standard IP monitoring tools can be used for visibility of the application, end to end, even though the applications themselves continue to remain as SNA applications.

Features

Key features

- Easy setup through online configuration, with no application changes required
- Built-in tracing facilities
- Standard HPE NonStop logging facilities that enable integration with existing logging and reporting processes
- Complete support for native HPE NonStop interfaces including HLS, SNAX/APC, SNALU, CRT, RAW socket, and IPS

- **EE support:** HPE NonStop cF uLinga for EE enables HPE NonStop systems to integrate with IBM mainframes while retaining key IBM mainframe subsystems including CICS, IMS, TSO, and others. With HPE NonStop cF uLinga for EE, the HPE NonStop server can participate in the Systems Network Architecture Advanced Peer-to-Peer Networking (SNA APPN) networking world as an EE node—significantly reducing the Virtual Telecommunications Access Method (VTAM) definitions required as well as providing support for dynamic configuration supported by the IBM mainframe. Using the latest SNA transports and services designed to run over IP, HPE NonStop cF uLinga for EE utilizes User Datagram Protocol/IP (UDP/IP). Where redundant connections are present, HPE NonStop cF uLinga for EE can be configured in support of fault tolerance across these links.
- **Extensive support capabilities:** Besides the comprehensive log messages that are generated, HPE NonStop cF uLinga for EE also provides considerable tracing facilities to assist and aid in diagnosis of connectivity and configuration issues. Leveraging from the open software world, HPE NonStop cF uLinga for EE makes use of the industry-standard Wireshark tool for reading traces. It also supports the compression of traces to reduce their size and demands on storage.
- **WebCon management and control:** HPE NonStop cF uLinga is shipped with an embedded facility to allow management and control of the process through web browsers such as Internet Explorer or Chrome. This provides the user with an intuitive graphical interface to enable administration and management of the HPE NonStop cF uLinga process. To secure this facility, TLS 1.2 support is built into the HPE NonStop cF uLinga executable.
- **HPE NonStop platform integration:** It features support of the SNAX, HLS, SNAX/APC, SNALU, CRT, RAW socket interface, and IPC. Integration with comfote's SecurTN3270 provides additional API support, as needed.

Architecture

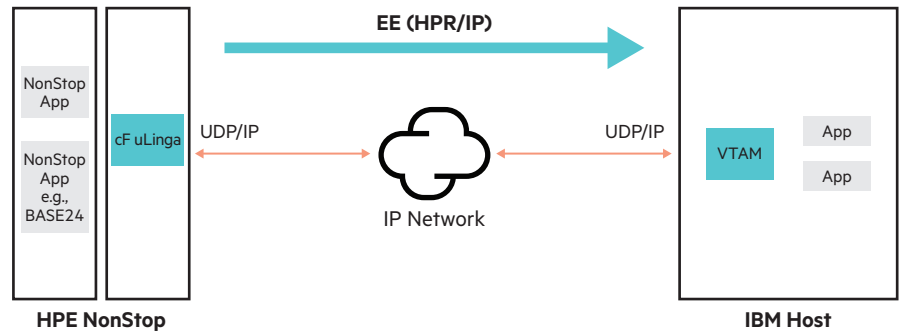


Figure 1. HPE NonStop cF uLinga for EE network

Benefits

Modern implementation: HPE NonStop cF uLinga for EE represents a fresh approach to supporting SNA APPN/EE from developers well versed in SNA with a more market-aware value proposition.

Reduces costs: HPE NonStop cF uLinga for EE enables organizations to seamlessly migrate from SNA to TCP/IP, simplifying administration and eliminating the need to retain costly SNA infrastructure. Where available, it introduces a level of fault tolerance across the links—a feature previously not available for HPE NonStop applications.

Minimizes integration risk and effort: No change to application code is required on HPE NonStop or on any connected hosts or servers.

Boosts flexibility: By adopting the modern, industry-standard UDP/IP protocol, organizations can enjoy far more flexibility in adapting their infrastructure and applications to address evolving business requirements.

Simplifies management; strengthens security: By adopting UDP/IP, organizations can leverage the platform manageability already in place and can take advantage of industry-standard IPSec to more consistently ensure security.

System requirements

Hardware	HPE Integrity NonStop X systems and HPE Virtualized NonStop systems
Software	HPE NonStop OS Release Version Update (RVU) L15.02 or later

Ordering information

Part number	Description
BE031AC	HPE NonStop cF uLinga for EE Software (DVD)
BE031ACE	HPE NonStop cF uLinga for EE Software (E-delivery)



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Operational Services

HPE Datacenter Care: This is our most comprehensive support solution tailored to meet your specific data center support requirements. It offers a wide choice of proactive and reactive service levels to cover requirements ranging from the most basic to the most business critical environments. **HPE Datacenter Care Service** is designed to scale to any size and type of data center environment while providing a single point of contact for all your support needs for HPE as well as selected multivendor products.

HPE Critical Service: This high performance reactive and proactive support is designed to help minimize downtime. It offers an assigned support team, which includes an account support manager (ASM). This service offers access to the HPE Global NonStop Solution Center, 24x7 hardware and software support, 6-hour call-to-repair commitment, enhanced parts inventory, and accelerated escalation management.

HPE Proactive 24: It provides proactive and reactive support delivered under the direction of an ASM. It offers 24x7 hardware support with 4-hour on-site response, 24x7 software support with a 2-hour response, and flexible call submittal.

HPE Foundation Care: This provides support for HPE servers, storage, networking hardware, and software to meet your availability requirements with a variety of coverage levels and response times.

Advisory and Transformation Services

HPE Pointnext Services designs the transformation and builds a road map tuned to your unique challenges including **hybrid cloud**, workload and application migration, Big Data, and the edge. HPE leverages proven architectures and blueprints, as well as integrates with partner products and solutions. We also engage the Professional and Operational Services teams as needed.

Professional Services

HPE Pointnext Services creates and integrates configurations that get the most out of software and hardware, and works with your preferred technologies to deliver the ideal solution. Services provided by the HPE Pointnext Services team, certified channel partners, or specialist delivery partners include installation and deployment services, mission-critical and technical services, and education services.



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