UNIVERGE BX-series SBC and Gateway 7.2.258 Release

Release 7.2.258 provides continued enhancements to its proven SBC platform, with additional SBC features, ease of use and security improvements to protect your customers.

Additionally, NEC BX Gateway & E-SBC Essentials & Configuration training is now available as a remote classroom, with the first remote session scheduled for 19-23 April 2021.

This release includes various enhancements including key features listed below:

Continuing Security Improvement to protect Customer's system

- The device now supports TLS Version 1.3.
- Excessive TLS renegotiations blocked for preventing Denial-of-Service (DoS) attacks on the device caused by multiple TLS renegotiations per second of the encrypted key initiated by the attacker.
- Additional User Activity Details in Activity Log to improve security and tracing capabilities regarding the actions taken by users, such as log in attempt with incorrect username/password, Blocked or inactive user log in attempts, session limit, or User's access level is changed (e.g., Monitor to Administrator).
- The device now provides protection against DNS rebinding attacks.

Increased Table Capacity for NGINX HTTP-based Proxy Services

The http proxy is useful when SBC is placed within DMZ and a Reverse HTTP proxy functionality is required for use of UNIVERGE 3C UC/Mobile client, InUC ST500, or when accessing DT phone web consoles from external PCs for a remote administration.

With this release, the capacity of the HTTP Proxy Server and Locations tables are increased.

SIPREC SIP based Media Recording Enhancements

Session recording is a critical requirement in many business communications; all calls recorded for regulatory and compliance reasons, or calls may be recorded for quality control or business analytics.

The device can record SIP-based media call sessions traversing it using IETF standard Session Recording Protocol (SIPRec), including Call recorder redundancy support.

With this release, deployment flexibility is further enhanced with support of Direct Media Calls Automatically Disabled and On-Demand SIP-Based Media Recording

WebRTC gateway session license update

BX SBC's optional license enables adding WebRTC client connectivity to platforms as a standard SIP client using its SIP-WebRTC conversion gateway, enabling client install-less, VPN-less, Opus codec high call quality softphone for remote workers and businesses. The solution integration use cases could include;

- Providing a guest BYOD softphone for Hotel guests
- Click-to call enabled Web page for end customers reaching business customer dial-in lines on NEC platforms - end customer accessibility is made simple and PSTN call charges can be reduced for replacing Toll-free numbers

BX SBC's integrated WebRTC gateway advantages:

- The BX SBC WebRTC gateway mediates and enables seamless connectivity between WebRTC and SIP, while securing the business with its integrated SBC for a likely risk of attacks such as denial of service (DoS), distributed denial of service (DDoS), fraud or eavesdropping, unlike a competing solution that requires the SBC to open up certain " intentional holes" to allow WebRTC traffic to go through.
- Interoperable - The Opus-encoded media from the endpoint needs to be transcoded back to G.711 for connection to the SIP trunk, desktop phones and other enterprise voice elements. This transcoding job is native to the SBC.
- OVOC management system complements the WebRTC solution by combining customers' Quality of Experience Monitoring into a single, intuitive web-based application. The solution can continuously monitor and assure that your customer' call quality experience with agents are kept at a good standard. When it detects poor quality instances administrators can be alarmed and assisted in trouble shooting with historical call details information to help them take proactive actions to quickly resolve issues.

Improved Experience and Device Management

- Delay in Opening Voice Channel for Tel-to-IP Calls to eliminate a possible audible 'click' noise when the FXO interface seizes the line.
- Configuration of Active Device during High Availability (HA) Synchronization can now be performed. HA Synchronization occurs, for example, during Hitless Software Upgrade and after an HA switchover. Up until now, configuration was blocked during HA synchronization.
- OVOC Management of Devices behind NAT through WebSocket Tunnel that can better resolves NAT traversal problems and requires less configuration.

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Pricing aspects & Items

Below part items are introduced with this releases for optional WebRTC gateway feature for BX800 and BX900. Customers with an active SWA for their BX devices may download and upgrade to 7.2.258.

WebRTC Gateway Session License (applicable only to BX800 and BX9000)

- Enables 10 additional WebRTC gateway sessions on BX800 or BX9000
- Separate parts based on total session range and for HA redundant devices (BX9000)

BE118626	BX-WRTC-10G-10-250-Lic	10 sessions for total 10 to 250 sessions
BE118627	BXR-WRTC-10G-10-250-Lic	10 sessions for total 10 to 250 sessions HA
BE118628	BX-WRTC-10G-260-600-Lic	10 sessions for total 260 to 600 sessions
BE118629	BXR-WRTC-10G-260-600-Lic	10 sessions for total 260 to 600 sessions HA
BE118630	BX-WRTC-10G-610-990-Lic	10 sessions for total 610 to 990 sessions
BE118631	BXR-WRTC-10G-610-990-Lic	10 sessions for total 610 to 990 sessions HA
BE118632	BX-WRTC-10G-1K-2.5K-Lic	10 sessions for total 1,000 to 2,500 sessions
BE118633	BXR-WRTC-10G-1K-2.5K-Lic	10 sessions for total 1,000 to 2,500 sessions HA
BE118634	BX-WRTC-10G-2.5K-5K-Lic	10 sessions for total 2,500 to 5,000 sessions
BE118635	BXR-WRTC-10G-2.5K-5K-Lic	10 sessions for total 2,500 to 5,000 sessions HA

Support & Software Assurance (SWA)

Active Software Assurance is required for upgrading and expanding UNIVERGE BX and OVOC system.
For UNIVERGE BX series, the supported releases are now V7.2 and V7.2.25x.

Documentation

All documentation on BusinessNet can be found under SBC / BX-series folder, including updates to;
- What is new in UNIVERGE BX Release 7.2.258
- NEC UNIVERGE BX series Release Notes Ver. 7.2-258.459
- Hardware Installation Manuals and User Manuals

Training

NEC BX Gateway & E-SBC Essentials & Configuration training is now available remotely.
First remote training is scheduled for 19-23 April 2021.
Enrolment details can be found on the BusinessNet Training.

Availability & Order Information

BX-series can be quoted and ordered through Prophix and updated 7.2.258 software will be made available on the BusinessNet Software Download section.