KENWOOD

NEXEDGE®

2nd Generation System

Release Notes

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Contents

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1. Release information

This release (R2.0) for the NEXEDGE 2nd Generation System ("Gen2") includes the following enhancements:

- **Advanced Authentication (Centralized Authentication Services)**
  SCU (System Configuration Utility) / NMC (Network Manager Client) now allow user authentication via LDAP/RADIUS.
- **Security Enhancements**
  Strengthened security for management access and communications, including HTTPS, password requirements, access protection, and privacy/warning notices.
- **Field Support / Diagnostic Logs**
  Expanded field support capabilities and diagnostic data collection to accelerate issue investigation.

1.1. Advanced Authentication

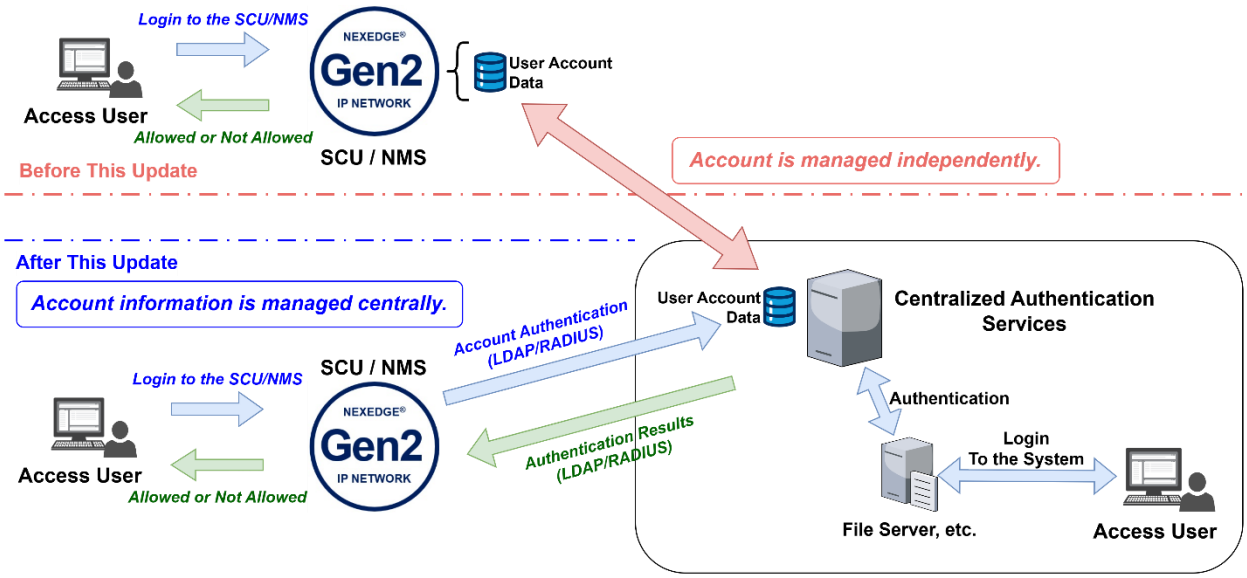
This release enhances user authentication in the NEXEDGE 2nd Generation System. In addition to the previous fixed approach, administrators can now choose LDAP or RADIUS, enabling flexible deployment that aligns with network environments and operational policies while improving security and manageability.

- **Previous Method**
  Usernames and passwords for Web access were registered on the NEXEDGE 2nd Generation System (SCU/NMS), and authentication was performed by matching the login credentials against locally stored account information.

- **What's New**
  Instead of registering user accounts on the NEXEDGE 2nd Generation System (SCU/NMS), these systems can now leverage external authentication backends (LDAP/RADIUS) to perform user authentication.

- **Scope of Application**
  This capability applies when users log in to the SCU via a Web browser and when users log in to the NMS via the NMC; in both cases, LDAP/RADIUS authentication is used.

- **Benefits**
  - Greater flexibility in authentication methods.
  - Enhanced security.
  - Easier integration with existing enterprise directories and authentication infrastructure.



1.1.1.LDAP

LDAP (Lightweight Directory Access Protocol) is an authentication approach that utilizes directory services. In this release, the NEXEDGE 2nd Generation System (SCU/NMS) supports user authentication via LDAP servers. You can use commonly deployed enterprise directories, such as Active Directory and other LDAP-compatible servers.

1.1.2.RADIUS

RADIUS (Remote Authentication Dial-In User Service) is a widely used authentication protocol for network access control. In this release, the NEXEDGE 2nd Generation System (SCU/NMS) supports user authentication via RADIUS servers. It can be seamlessly integrated into environments where RADIUS is already used for VPN or Wi-Fi authentication.

1.2. Security Enhancements

To strengthen the security of the NEXEDGE 2nd Generation System (SCU/NMS) operations and management, this release implements improvements in three key areas: encrypted communications, login protection, and minimization of personal data.

- **HTTPS by default (SCU/NMS/NMC)**

Starting with this release, HTTPS protocol will be used by default when accessing the SCU (System Configuration Utility) via a web browser. Communication between the NMS (Network Manager Server) and NMC (Network Manager Client) will also transition to HTTPS communication. The operational procedures remain largely unchanged from previous versions.

- **Stronger login controls (SCU/NMC)**

When logging into the SCU (System Configuration Utility) or NMS (Network Manager Server), the use of default passwords will be discontinued. Users must set a new password during their first login. Additionally, if the

password is entered incorrectly a certain number of times consecutively, login will be restricted for a set period.

- **Data minimization for user information (SCU)**

Removed certain user information items configured in the NEXEDGE 2nd Generation System (SCU) and retained only the necessary and sufficient information (minimization).

1.3. Field Support / Diagnostic Logs

To accelerate root-cause analysis when issues occur, this release expands field support capabilities and diagnostic data collection. These features are intended to assist troubleshooting rather than daily operations.

- **Collected Data (Added/Enhanced)**
  - Packet Capture: Capture network traces to help isolate network-related events.
  - Core Dump: Output memory dumps upon abnormal events to analyze process state.
  - Syslog: Records more events within the system than before, making it easier to understand the chronology of events and perform correlation analysis.
  - Diagnostic Data (added items): Add useful items for analysis and enable consolidated collection.

The collected data will be used by our support team for analysis.

Revision History

Version	Date of issue	Note
1.00	27th Feb. 2026	First Release