

# OnGuard Version 8.3

Delivering enterprise-grade security with an evolving, customer-focused user interface



## Overview

The LenelS2™ OnGuard® system version 8.3 software release includes support for the M-Series controllers, Lockdown Groups, Password Management for Access Controllers, On-Demand Status monitoring, and many more updates.

### New Configuration options in browser client

Offering new options for system configuration in the browser clients, OnGuard 8.3 introduces the new 'Behaviors' client, supporting the ability to manage Timezones and Holidays, Access Levels, and Device Groups. Allowing more accessible and task-focused configuration of these objects through a browser client interface, the new Behaviors client extends the platform and the availability of these frequently-used features.

### Lockdown Groups

Lockdown Groups offer security administrators a more flexible and efficient way to specify emergency response behavior across facilities. This feature enables logical selection and on-demand activation of lockdowns, streamlining security management. Compatible with both installed and browser monitoring clients, Lockdown Groups enhance security when paired with the Lockdown Reader Override (badge) feature introduced in OnGuard 8.2. Together with OnGuard's existing tools, these options provide an increasingly valuable and effective approach to safeguarding your environment and personnel.

### Password and Certificate Management for Access Controllers

Designed to support enterprise customers with large fleets of OnGuard / Mercury access controllers, this function of the new OnGuard Hardware browser client allows administrators to manage the passwords and certificates for their controllers. Using standard filters and criteria, administrators can select groups of controllers and choose to update the passwords of the panel users and/or the certificates that provide security between the controllers and the communication servers.

### Mercury M-Series controllers

The new Mercury M-Series controllers in OnGuard 8.3 bring significant benefits with enhanced security and reliability. Cybersecurity is bolstered with a new Linux operating system, secure processor, Secure Boot, and built-in crypto accelerators. Additionally, the M-Series controllers offer larger and faster processors and memory configurations, providing more offline transaction storage and extending their lifecycle for long-term use. Memory backup can now operate from either a maintenance-free on-board high-capacity capacitor, or by an optional lithium coin cell battery.

## Cloud Platform and Compatibility

### OnGuard Cloud

The OnGuard Cloud service, based on OnGuard versions 8.1 and above, provides a hosted cloud service option with the power of OnGuard. With fully redundant servers hosted on Amazon Web Services (AWS), this service provides the latest software and OS updates to keep customers current with the newest features and benefits. Full 24/7/365 monitoring helps reduce downtime and alleviate potential issues with system performance.

## Features & Functionality

### New and Improved Ways to Use the OnGuard System

- Native support for management of Mercury M-Series controllers
- Lockdown Groups allow for configuration of logical groupings of readers to be managed in case of a lockdown
- On-Demand Status option in Alarm Monitoring streamlines operation and reduces network traffic, allowing the operator to focus on alarm response
- Badge Printing Management within the browser client will now allow broader access to multiple hardwired and networked printers per badge type and workstations in distributed environments
- Scripted Installation updates and Client Connect support to make software installation more automated and consistent
- Installation images (ISO) specific to Full or Client-Only packages
- Installation option to install Milestone XProtect® software with OnGuard clients and servers
- Enhanced support for Milestone cameras adds event Video options for starting / stopping recording based on an Event
- Otis Compass® elevator controller-connected readers can now support 16 card formats (when enabled)
- Alarm Monitoring 'jump to device' right-click option takes the operator directly to the device in the System Tree
- Alarm Monitoring updated to display OnGuard Maps in 24-bit full color depth, in alignment with the user experience in the browser client
- System Administration interface updates for improved usability and scale on Monitor Zones, Elevator Control Levels, and Access Groups, along with Show / Hide Toolbar button
- Support for TLS 1.3 for key encrypted communications in OnGuard (Browser clients, Database, Hardware)
- Compatibility for NEC EXPRESSCLUSTER 5.X versions for Microsoft® Windows® supports redundancy on the latest operating systems
- OpenAccess API bulk export updates provide up to a 30x improvement in the retrieval of large data sets
- Replication transaction batching and capacity control enhances processing speed, reduces memory usage, and improves service stability on Enterprise systems

### LenelS2 Marketplace

- OnGuard now includes links to the new LenelS2 Marketplace from LenelS2 Console, from the System Administration Main Toolbar, and from the Help menu
- LenelS2 Marketplace will open with a summary of your system details, useful notifications, and recommendations, as well as a curated catalog of extensions for your system

### New and Enhanced OnGuard Browser Clients and Apps

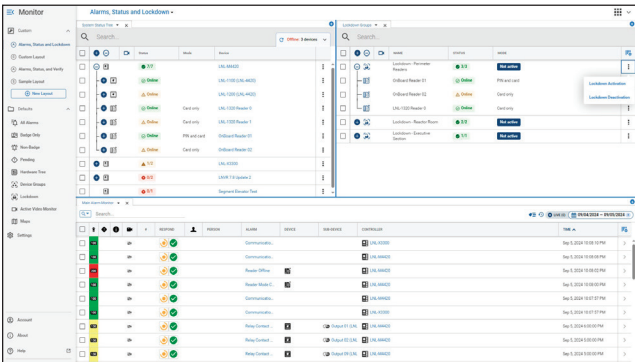
- **NEW** Behaviors client provides the ability to manage the behavior of your configured system in the areas of:
  - Timezones and Holidays
  - Access Levels
  - Device Groups
  - Lockdown Reader Groups
- **NEW** Hardware client supports the management of User Passwords within Mercury access controllers for more efficient policy compliance
  - Loading of customer certificates for communication
  - Peer authentication via certificate
- Monitor client adds support for the operation of Device Groups (for all types) with a newly created Device Groups widget
- Lockdown Groups widget in Monitor client allows for activation and status monitoring of lockdown operations
- Access Manager includes feedback improvements to better indicate when user is managing Active or Inactive Badges in the client
- Credentials client improves management of 'inactive' cardholders, allowing searches for 'last time used' and 'inactive badges', combined with a new action for multiple-delete to support cleanup or privacy
- Users client adds the ability to delete multiple records on the 'Actions' menu for effective cleanup of old user records
- Credentials client offers a new Light / Dark mode option
- Monitor client includes new options for Cardholder Verify, including the ability to clear the cardholder image from the screen on a timed basis
- Users client now supports bulk assignment actions for deletion and assignment of Permissions Groups to users
- Reports client adds the option for Favorites, allowing users to identify and quickly access the reports they use most often
- Publish Reports on a scheduled basis to an FTP/SFTP server

# OnGuard Version 8.3 continues the evolution and expansion of an already industry leading feature set

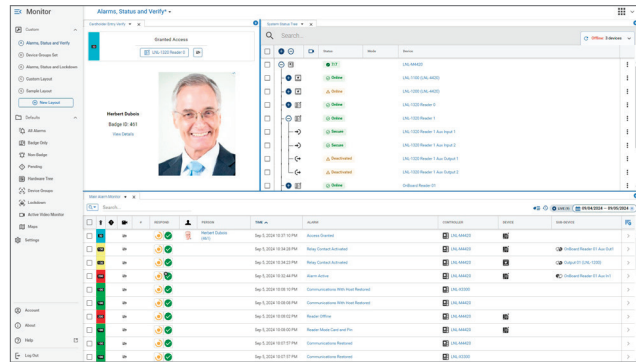
## Feature Updates by OnGuard Version

|   | OnGuard  | 8.3   | 8.2 | 8.1 |
|---|--|---|-----|-----|
| OnGuard®<br>Browser Clients   | Behaviors client manages Timezones, Holidays, Access Levels, and Device Groups                                     | •   |     |     |
|   | Hardware client supports management of User Passwords and Certificates stored within access controllers            | •   |     |     |
|   | Monitor client adds support for Device Groups operation  | •   |     |     |
|   | Credentials client filters to identify 'inactive' cardholders ('last time used' and 'inactive badges')             | •   |     |     |
|   | Privacy option for Cardholder Verify in Monitor clears the photo display based on a timeout                        | •   |     |     |
|   | Users client adds 'bulk assignment' action to apply groups of permissions to multiple users                        | •   |     |     |
|   | Reports client adds Favorites, allowing users to prioritize reports they use most often                            | •   |     |     |
|   | Scheduled reports add an option for publishing to an FTP/SFTP server   | •   |     |     |
|   | Printing Management (Badges) within the browser client now allows multiple printers per badge type                 | •   |     |     |
|   | Reporting and Dashboards client with support for OnGuard systems   | •   | •   | •   |
|   | Reports and Dashboards updates build on client capability and support localization                                 | •   | •   |     |
|   | Photo Capture and Primary / Additional Segmentation  | •   | •   | •   |
|   | Visitor Bulk Import via imported file (csv/xls)  | •   | •   | •   |
|   | Monitor supports Active Video pop-up of live/recorded video on alarm (with pre-roll and timeout)                   | •   | •   | •   |
|   | Access Hardware<br>Supported   | Active Video pop-up now respects Pre-Roll and Unattended Timeout settings | •   | •   |
| Monitor includes interactive Maps feature and Video Clip Export capability                  |  | •   | •   | •   |
| Subscription Upgrade and Support Plan (SUSP) and OAAP license renewal notifications         |  | •   | •   | •   |
| Native support for the Mercury M-Series controllers   |  | •   |     |     |
| On-Demand Status option for Alarm Monitoring  |  | •   |     |     |
| Controller upgrade support for Mercury X-Series migration / promotion                       |  | •   | •   | •   |
| ASSA ABLOY - Aperio® AH40 IP hub support  |  | •   | •   | •   |
| Invisium® IXM TITAN facial recognition reader with body temperature measurement             |  | •   | •   | •   |
| Flexible network-connected Door I/O Module (LNL-1324e) offers onboard Ethernet connectivity |  | •   | •   | •   |
| Bi-directional communication with Honeywell controllers supports PW7000 Series              |  | •   | •   |     |
| Access Control<br>Enhancements  | BlueDiamond allows issuance of Employee Badge in Apple Wallet mobile credentials (availability may vary by region) | •   | •   |     |
|   | Alarm Monitoring 'jump to device' takes the operator directly to the device in the System Tree                     | •   |     |     |
|   | Otis Compass controller-based readers can now support 16 card formats  | •   |     |     |
|   | Lockdown Groups support logical grouping of readers to define emergency response                                   | •   |     |     |
|   | Locked Reader Override support (allow access through 'Locked' readers)   | •   | •   |     |
| Video<br>Enhancements   | IP client connection for Mercury access controllers  | •   | •   | •   |
|   | Enhanced support for Milestone cameras adds options for starting / stopping recording based on an event            | •   |     |     |
|   | Monitor and Surveillance clients support audio, digital zoom, snapshots and playback speed control                 | •   | •   | •   |
| Operating System,<br>Database, and<br>Interface   | Monitor and Surveillance clients support Milestone XProtect® VMS and LenelS2 NVR                                   | •   | •   | •   |
|   | Microsoft® Windows® Server 2022  | •   | •   | •   |
|   | Microsoft® Windows® 11   | •   | •   | •   |
|   | Microsoft® SQL Server® 2022  | •   | •   |     |
|   | Compatible with NEC EXPRESSCLUSTER 5.X versions for Microsoft® Windows®  | •   |     |     |
| Cybersecurity   | OnGuard OpenAccess Web Services API updates  | •   | •   | •   |
|   | TLS 1.3 encryption support (database, browser clients, access controllers)   | •   |     |     |
|   | Third-party authentication support for service authentication using client credentials flow                        | •   | •   |     |
|   | Configurable TLS-encrypted communications (communications server to ISC)   | •   | •   | •   |
|   | SA / Delegate login added to admin tools (Setup Assistant, Database Setup, Database Translator)                    | •   | •   | •   |
|   | Enhanced key management and encryption   | •   | •   | •   |
|   | HTTPS communications for OnGuard license management  | •   | •   | •   |
|   | Support for TLS encryption for email (1.1 / 1.2)   | •   | •   | •   |
|   | Latest OnGuard Hardening Guide included to reduce the attack surface of OnGuard deployments                        | •   | •   | •   |
| Support for third-party user authentication via OpenID Connect® (OIDC) interface            | •  | •   | •   |     |
| System and<br>Installation  | Scripted Installation updates and Client Connect supports automated installation and consistency                   | •   |     |     |
|   | Installation images (ISO) specific to Full or Client-Only package  | •   | •   | •   |
|   | Installation 'Integration Install Package' to support Milestone XProtect for OnGuard clients and servers           | •   |     |     |
|   | System Administration 'client refresh' updates for improved usability and scaling                                  | •   | •   | •   |
| Cloud   | OnGuard Cloud as a LenelS2-hosted option for customer system environments  | •   | •   |     |
|   | Amazon RDS Database support (as alternative to SQL Server for AWS OnGuard systems)                                 | •   | •   | •   |
|   | Azure SQL Database support (as alternative to SQL Server for Azure OnGuard systems)                                | •   | •   | •   |

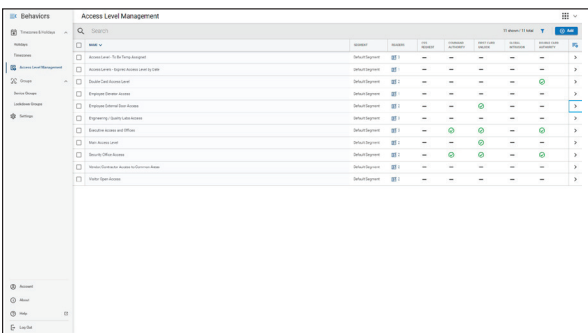
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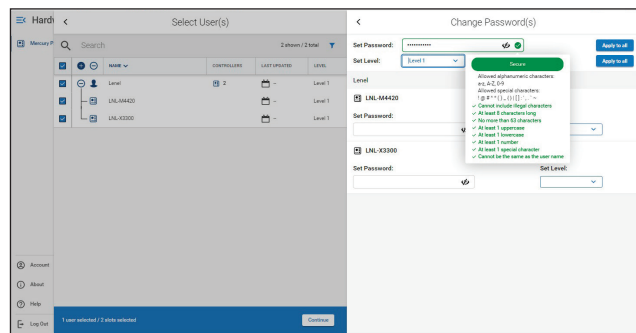
Lockdown Groups offer more flexibility to group readers for configuration and activation of a Lockdown response



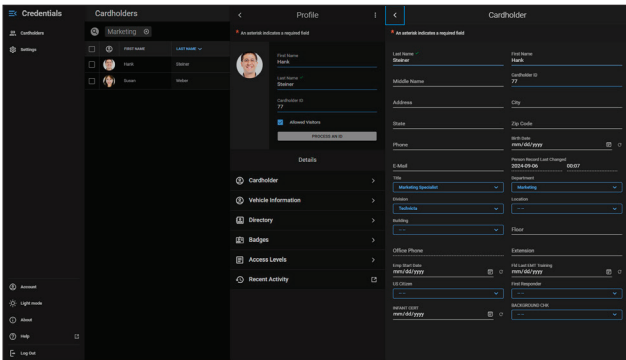
Monitor widget for Cardholder Verify adds to operator customization options and supports privacy by clearing the screen on a timed basis



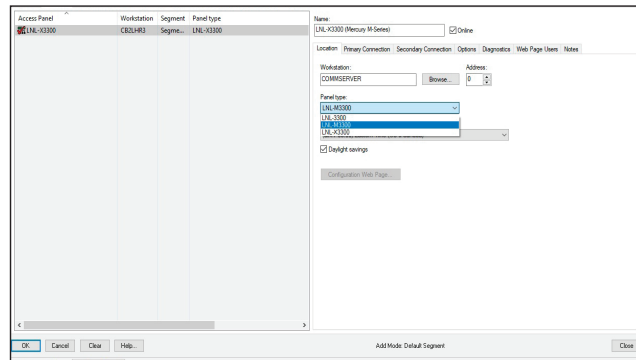
OnGuard Behaviors client allows browser-based management of Access Level and other configurations



NEW Hardware client allows OnGuard to update Passwords within the controllers to support customer compliance over large 'fleets' of Access Control



Credentials client displays the latest support for dark mode within OnGuard's browser client suite



OnGuard 8.3 offers native and familiar configuration of Mercury's latest and most secure controller lineup

For more information and links to technical documents, visit the [LenelS2 Connect portal](#).



[LenelS2.com](https://www.lenels2.com)

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