

Traka Lenel OnGuard Integration

“The missing piece of Access Control is Asset Control”

Now your Lenel OnGuard system can manage access to your business keys, physical assets, and removable items such as laptop computers, radios, PDA's, test equipment and much more!

Traka is a world leading manufacturer of systems for managing keys and assets with an installed base of over 10,000 systems. Traka electronic key cabinets are used world wide by government, military and commercial organisations for controlling keys and devices in prisons, casinos, utility companies, hospitals, and hotels - almost any organisation imaginable. The products are extremely robust operating 24/7 in some of the toughest work places and have the largest range of options and features available anywhere.

With our latest integration to OnGuard, administrators can now enroll Lenel cardholders into the Traka database, grant access levels to our key cabinets/intelligent lockers, and receive Traka events and alarms back into OnGuard for seamless day to day operation of our key and asset management solutions.

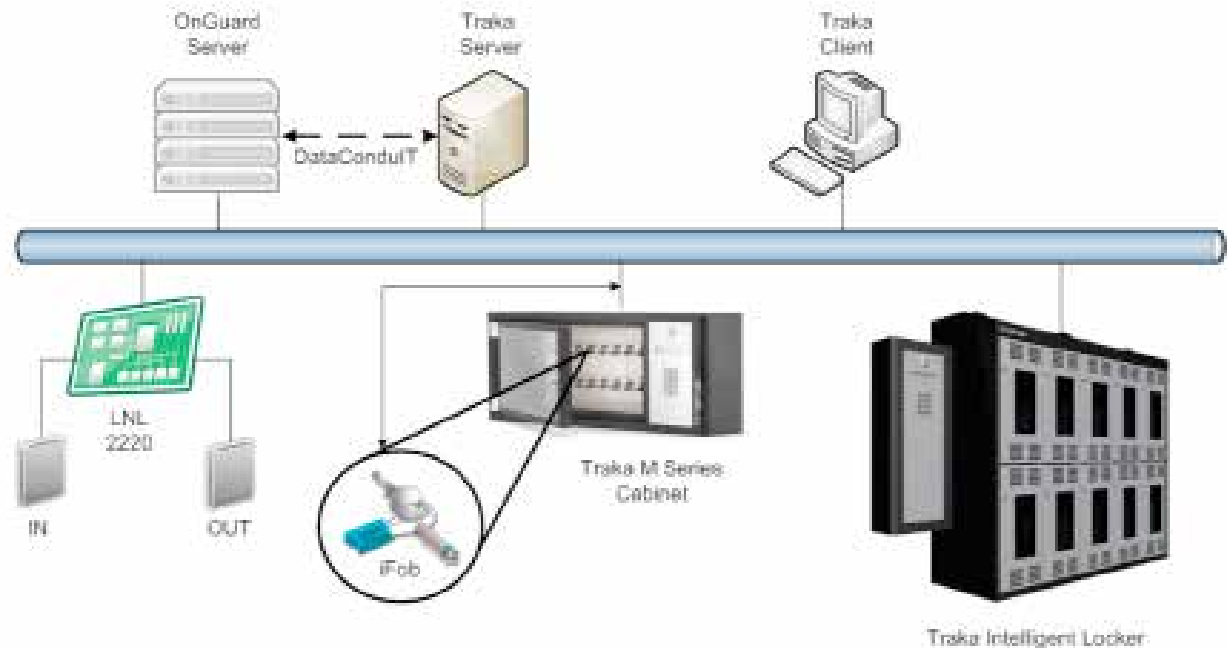


Companies can now extend their access control functionality by directly tying cardholder's identities to any number of physical assets like keys, devices and vehicles. Lenel cardholders now become accountable for items they have checked out and ensure that they are returned immediately after use and any damage is reported promptly.

The Integration

System Diagram

Traka / OnGuard System Diagram



*Key (iFob) and Locker locations are access levels granted in OnGuard.

**Anti-pass back supported: Egress can be denied if keys (iFobs) or locker items are not returned

- Bi-directional communications via DataConduit
- Traka events and alarms available in Alarm Monitoring
- Lenel Access Level support - Manage key positions as if they are card readers
- For granular control a 'Key Management Tab' can be created in Lenel Cardholder Screen
- Key cabinets and intelligent lockers are treated like any other 'edge device' on the network



Feature Set

Cardholder and Badge Integration

OnGuard cardholders can be dynamically added and updated to the Traka32 SQL Server database including cardholder data, badge ID, badge status and access level assignments.

Access Level Integration

OnGuard Access Levels can link to Traka Security Groups in the Traka32 software. When a cardholder is assigned a Traka "linked" access level, they will have access to the key sets and assets defined in the Traka32 Security Group template. The template also defines when the keys can be accessed and how many at a time (key allowance).

Grant and Revoke Cardholder Access based on Traka Key Status

Revoke cardholder exit from a facility or area if a sensitive key set has not been returned to the Traka system. Or, ensure a key set has been taken before access to a particular facility or area is granted to meet operational procedures. This is particularly important for data centers and prisons where turnstiles are employed and any secure facility where sensitive keys must be prevented from being taken off-site. For applications where the cardholder is not physically prevented from exiting, installing a reader near an exit or time clock can provide you with similar functionality. By procedure, the employee must badge on the reader to verify all their keys have been returned to Traka otherwise an alarm will be raised locally, (LED, strobe) and/or through alarm monitoring, which could trigger email notification or text message. This prevents keys from being taken home accidentally. This feature is a huge benefit to businesses who need to control extremely sensitive keys and assets.

Event and Alarm Integration

Traka events and alarms can be sent to the OnGuard Alarm Monitoring interface. Examples include, key removed, key returned, key overdue, door left open and more. A system administrator can customise event and alarm descriptions as well as set a generic description with "associated text". This will allow you too filter, set priorities and trigger on particular alarms from within the Alarm Monitoring environment. This is a very powerful feature as it opens up numerous possibilities beyond sending email notifications, including activating camera pop-ups and has been significantly enhanced for Integration Engine v1.8.

Main Alarm Monitor			
Alarm Description	Time/Date	Controller	Device
Key Alarm: Door Opened Manually. Cabinet: Desk System, Pos: 0, User: , Key:	10:50 17/09/2013	Traka Alarm	Traka Device
Key Event: User Logged Out. Cabinet: Desk System, Pos: 0, User: Billy Talbutt, Key:	10:50 17/09/2013	Traka Alarm	Traka Device
Traka Key Event: Billy Talbutt Replaced key => pos 1,Traka @ Desk System	10:50 17/09/2013	Traka Alarm	Traka Device
Key Event: Item Returned. Cabinet: Desk System, Pos: 1, User: Billy Talbutt, Key: None	10:50 17/09/2013	Traka Alarm	Traka Device
Key Event: Item Removed. Cabinet: Desk System, Pos: 1, User: Billy Talbutt, Key: None	10:50 17/09/2013	Traka Alarm	Traka Device
Traka Key Event: Billy Talbutt Requested key => pos 1,Traka @ Desk System	10:50 17/09/2013	Traka Alarm	Traka Device
Key Event: User Logged In. Cabinet: Desk System, Pos: 0, User: Billy Talbutt, Key:	10:49 17/09/2013	Traka Alarm	Traka Device
Key Alarm: No Transaction Took Place. Cabinet: Desk System, Pos: 0, User: Billy Talbutt, Key:	10:49 17/09/2013	Traka Alarm	Traka Device
Key Event: User Logged Out. Cabinet: Desk System, Pos: 0, User: Billy Talbutt, Key:	10:49 17/09/2013	Traka Alarm	Traka Device
Key Event: User Logged In. Cabinet: Desk System, Pos: 0, User: Billy Talbutt, Key:	10:49 17/09/2013	Traka Alarm	Traka Device



Support for OnGuard Segmented Systems

It is possible to limit the processing of cardholder, badge and access levels to specific segments that can be user-defined in the Traka Integration Engine software.

All badge Wiegand formats supported up to 200 bits supported including FIPS 201

Features and Improvements in Traka OnGuard Integration v1.8

OnGuard Badge Type Discrimination Support

OnGuard systems can support multiple active badges per cardholder. Traka32 can natively support only one active badge per cardholder. In prior versions of the Traka OnGuard integration, if a Cardholder record in OnGuard had multiple active badges assigned this would potentially cause a corruption of the corresponding record in Traka32. For v1.8, it is now possible to nominate a badge type and limit the processing of badge software events received over DataConduIT to a particular badge type.

Full Cardholder and Visitor Sync

The Traka OnGuard integration uses OnGuard DataConduIT software events to update corresponding cardholder records in the Traka32 database in close to real-time. In the situation that an OnGuard system goes offline for any period, the software events are never generated and therefore changes in OnGuard are not reflected in the Traka system. The Traka Integration now has a robust sync facility:

Scheduled Auto-Sync: A schedule for an automatic sync can be configured (in minutes) to pick up any Cardholder or Visitor changes made while the system was "offline".

Manual Sync Button: A button is now available in the Traka Monitor tool that can be used to manually sync Cardholder or Visitor changes made while the system was "offline". This can be used at any time despite when the last auto-sync was performed. This is also useful for new implementations.

Full Access Level Sync

Same principle as the cardholder and visitor sync facility. This provides a solution in the situation where the OnGuard system may have gone "offline" for a period.

Scheduled Auto-Sync: A schedule for an automatic sync can be configured (in minutes) to pick up any Access Level changes made whilst the system was "offline".

Manual Sync Button: A button is now available in the Traka Monitor tool that can be used to manually sync Access Levels. This can be used at any time despite when the last auto-sync was performed. This is also useful for new implementations.



Benefit Summary

- Seamless integration allowing Traka system administration from familiar OnGuard environment
- Significant reduction in administration overhead and consistent data between Traka and OnGuard
- Cardholder, badge and Access Level updates to the Traka system in real-time
- Traka events and alarms exposed to OnGuard Alarm Monitoring in real-time
- Control of cardholder facility and area access based on Traka key or asset status – e.g. employees cannot leave site unless keys are returned to Traka
- Single credential used for both door access and keys or assets secured in Traka
- Support for OnGuard segmented systems

System Pre-requisites

- OnGuard software v6.3.249, v6.4.500, v6.5.624 or v6.6.287
- DataConduIT License
- Single Sign-In account to OnGuard
- Dual Serial Ethernet device for each Traka key cabinet
- Traka32 Administrator software
- Traka Integration Engine software, OnGuard module and Monitor utility
- SQL Server 2005, 2008, 2008 R2, 2012 to host Traka32 SQL database
- Traka software support for Windows Server 2003, 2008, 2008 R2, Windows XP, 7 and 8

Organisations using Traka

- Data Centers
- Technology Companies
- Education Facilities
- Distribution Facilities
- Prisons
- Casinos
- Museums
- Shopping Centers



Traka32 software can provide a further level of richness to the application with a huge range of additional functionality that one should expect from an industry leading key management system.

Traka32 Software also supports

- Giving different groups of staff access to selected items only, controlled by time and day automatically
- Curfew functionality can assure keys are checked out or returned in specific, defined time increments
- Fault logging can show a problem that occurred during an item's use and assures that faulty items are automatically locked-in until fixed - no more down time due to users taking broken items
- Rotate usage of the equipment, ensuring first in is first out, perhaps to allow time for an item to recharge
- Key booking for reserving keys in advance
- **...and much, much more...**

Traka Hardware

- Key cabinets from 10-540 key positions with intelligent locking key strips
- Highly configurable intelligent lockers are available with or without RFID support for optional real time monitoring
- All Traka cabinets support battery backup and database cacheing during outages
- UL 294 and CAN/CSA C22.2 Certified



Traka Support

- Traka offers complete installation and support services with an ongoing maintenance program to assure that your system is always current.
- Traka works with both the VAR and Lenel end users for correct, effective usage of our systems.
- Hardware is warranted against defects for one year after purchase; optional extended warranty support available.

