Traka Web v2.7
Browser-based key and asset management

ASSA ABLOY, the global leader
in door opening solutions

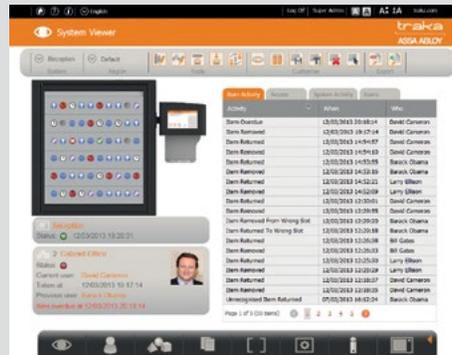# Traka Web v2.7
Browser-based key and asset management

Traka Web is a web-based administration suite for centrally managing Traka Touch key and locker systems on almost any device that can run a browser, including phones, tablets and PCs. Traka Web can support unlimited keys or assets.

Traka Web is the next generation of administration software, improving functionality and maintaining Traka's technological leadership. The main benefits of Traka Web include ease of deployment, enterprise scalability, a modern graphical user interface, and browser-based access allowing for remote administration.

The benefits of Traka Web

Traka Web supports the administration of Traka key and locker systems. A three tier architecture – data, application and presentation layers – work together to enable Traka Web to be efficient and scalable.

Traka Web brings users and items side by side, making it easy to grant access to multiple items quickly and efficiently. Furthermore, it supports item definitions making it simple to manage different types of assets. It provides an auto-sync system for all changes, and a traffic light system for all communication processes.
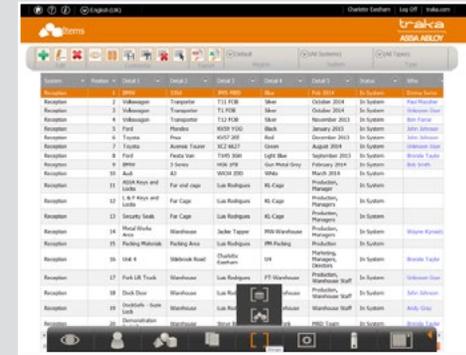
Traka Web is designed to utilize Microsoft SQL server. It comes with a suite of reports to help better utilize the assets you want to control; activity reports, status reports, utilization reports, exception reports and permissions reports.

- Keys and assets are readily available 24/7, to authorized users only
- Dashboard views providing clear reporting and administration
- Full audit capability, retains a complete history of all key, asset, locker and user transactions
- Multi-lingual user interface
- Fast to configure and easy to use
- Centralized control of access to all of your keys and assets

v2.7 features

Traka Web 2.7 provides three distinct features; Fuel, Distance and Location Logging to provide additional tools for fleet managers to better control their vehicle usage. Each of these features is available as an extra cost option, and can be selected individually or jointly as part of a Traka Web configuration. Please ask your Traka representative for more details.
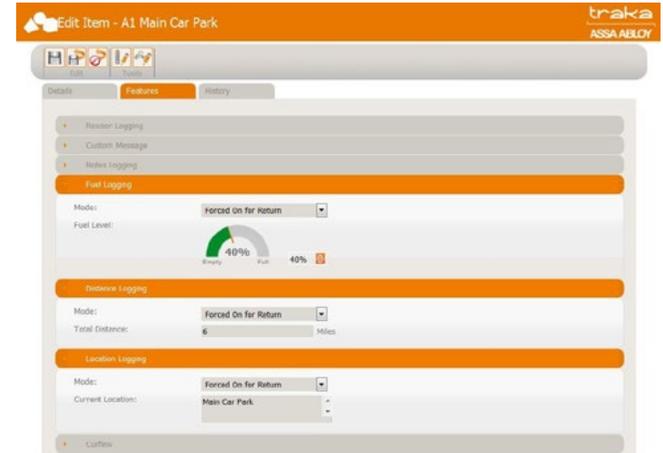
Fuel Level Logging
Fuel Level logging allows the end user to record a fuel level against an item when it is returned. This could be the fuel level of a vehicle or the battery charge level of a device.

Distance Logging
Distance logging allows the end user to record a distance value, that can be configured to be either a cumulative distance or trip distance, against an item when it's returned.

Location (Bay) Logging
Location logging allows the end user to record the current location (or bay) of a vehicle.

v2.6 features

Item Booking (Fixed Return)

Item booking is an extra cost feature which allows items to be reserved for a defined period of time for specific users (for example pool cars, laptops or tablet devices). This release provides functionality for Fixed Return Key Control and Locker Systems without any form of auto allocation such as FIFO. Item booking for auto allocation will follow in a later release.

End users and administrators will be able to make an item booking via Traka Web only and not through the Touch Screen. Please refer to the Item Booking – Features Sheet for further details on the following features:

- Self-Booking or Central Administration
- Booking Summary View
- Booking wizard
- Multiple Users & Items
- Booking Override
- Booking History
- Exception Alerts
- Items Removed Before Booking
- Access via Booking Only
- Curfews vs Bookings
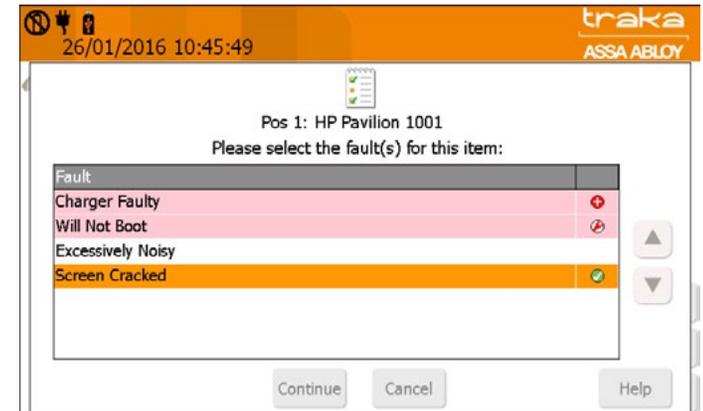- Authorizers vs Bookings
- Limitations
- Confirmation Emails

v2.5 features

Email Alerts
Traka Web provides the ability to send email alerts based on defined fault events.

Fault Logging
Fault Logging is a very powerful cost option that allows the end user to record faults against items such as vehicles or machinery, through to portable assets held in a locker such as laptops, PDAs, radios and other mobile devices.

Users have the opportunity to record faults against items when they are returned, and depending on the criticality of the fault, access rights to the item can be restricted or denied in order to prevent further damage, wasted time or injury. Managers are then able to take remedial action, for example repairing a flat tire on a vehicle or replacing a faulty two-way radio.

Traka Web eliminates the need for paper-based lookup lists (pinned next to the cabinet), allowing multiple faults to be logged against an item, and resolves the limitations around managing multiple item types that have different fault conditions.

Note: This feature only works in conjunction with Traka Web and is not available on standalone Traka Touch systems. This feature will only work with Key Cabinets and Lockers with iFobs/RFID.

v2.4 features
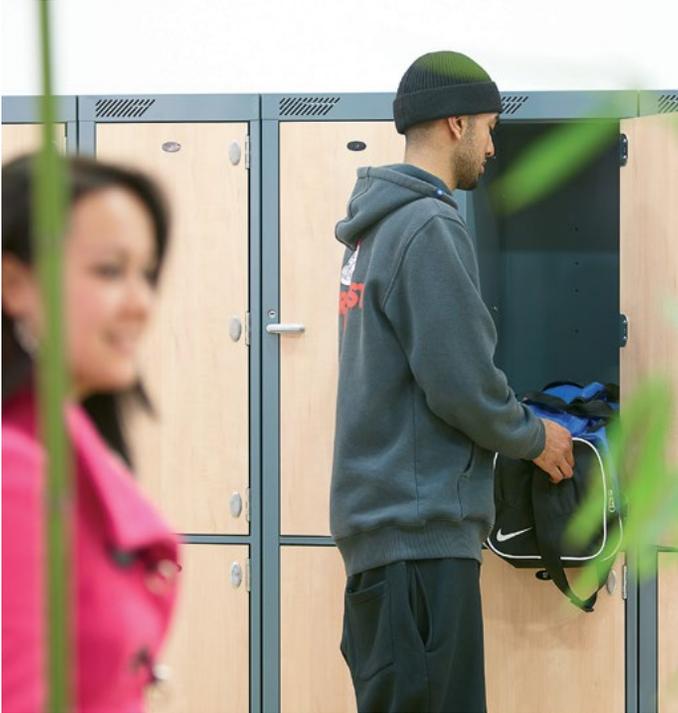
Temporary Deposit Lockers

The temporary deposit locker (TDL) option is available on non-RFID lockers that allow users to assign themselves a temporary locker. Applications for this include temporary storage of personal items such as handbags and sports bags, storage of IT equipment that needs to be put on charge (if used in conjunction with the charge options) or other equipment such as tools or accessories.

The temporary deposit lockers automatically assign the next available free locker to a user. Once assigned, only the user can open the locker again to retrieve the items and free the locker for the next user. Locker allocation is rotated for even usage. A user can only be allocated one locker at a time within a single system.

Other important aspects are:

- Standalone Touch system
- Mains/USB charging is optional
- Auto Allocation is done on a rotational* basis to ensure all lockers are utilised (*lockers are allocated in ascending numerical order and not on a FIFO basis)
- Users must be pre-enrolled on the system, however the system can be configured so that users can self-enroll when used in conjunction with a card reader only (i.e. not a PIN Only System or integrated biometrics). If a user swipes a card not defined in the database, the system will prompt the user to enter their first and last name, and a record will be created in the system.

Random Return to Single System (RRSS)

RRSS allows any iFob to be returned to any vacant socket in a specific system, a feature that is useful for users such as Police Departments and Car Dealerships.

Replacing iFobs in a RRSS is much simpler than with Traka32. There is a 'Replace' button on the Touch under Admin > Items that guides the user through the process. On Traka Web, any Items or configured features currently attached to the old iFob will be automatically transferred over to the new iFob.

Random Return to a Single System also supports more iFobs than receptor sockets, up to a maximum of 720 iFobs in total. It will therefore be possible to manage items that get exchanged (i.e. 1 iFob out and 1 iFob in) or scenarios where there are a large number of items but are likely to be out most of the time. RRSS works with standalone Touch cabinets or in conjunction with Traka Web, and other system features that will work in conjunction with RRSS include:

- Description Release
- Curfews
- Authorization
- Allowance
- Reason Logging
- Custom Messages
- Notes Logging
- Item Handover
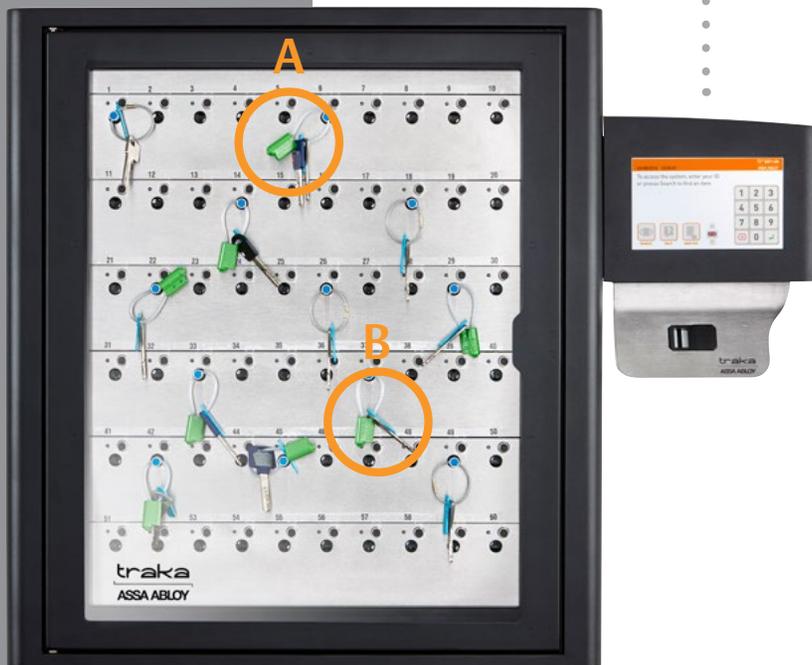
v2.3 features

Abloy Protec Keyholding Receptor Strip

Traka and Abloy Finland have jointly developed a new Receptor Strip for Traka Touch, which allows Abloy keys to be locked into electromechanical cylinders. This is aimed at securing Protec Master Keys where there is a requirement to assign differing authorization rights for different keys:

- Touch Screen to request a key and rotate the key to remove
- Insert and rotate key to return and lock
- Green LED to indicate access granted
- Red LED to indicate access denied
- Green/Red Combination LED to show user is holding key
- Manual Override lever on the reverse of the strip in case of emergencies
- Keys physically cannot be returned to an incorrect position
- Users will be warned of keys that are partially rotated (i.e. not fully locked or not fully unlocked)
- New Receptor Strip is compatible with M, S and L Touch cabinets

v2.2 features

Email notifications

Users can set up email notifications to alert users anywhere, anytime of key movements, events and overdue curfews. Automated email triggers can be linked to specific asset movements to monitor high-value equipment or sensitive keys.

For example, an employee takes a key to a hazardous area, where specific work practices dictate a time limit of exposure of 4 hours, or a time when the key should be returned. A curfew is applied to the key, which must be returned within this limit. The user is informed, and has to acknowledge this before the key is released.

If the key is not returned within the rules of the set curfew, an email is automatically sent to pre-defined managers to alert them of overdue return. This method is applied by many existing customers for more strict Health and Safety processes, and to alert when keys may have left site.

User benefits include:

- Enforcement of Health and Safety practices
- Notification of breach of site rules and regulations
- Improved duty of care to employees, contractors and visitors
- Automation of the notification process

v2.2 features

Traka Touch extension cabinet support

Traka Web provides full support for up to four Touch Cabinets, allowing up to 720 key sets per system to be managed from one control pod. Support is provided for both L and S series key cabinet extensions. The doors of those cabinets will only open when the user has access rights to the respective iFobs. If an attempt is made to return an iFob to the wrong cabinet, then the correct cabinet door will open and the action LED will light to indicate the correct return position.

Use of extension cabinets provides many benefits including:

- Reduction in cost by eliminating unnecessary hardware
- Optimization of space usage and maximizing capacity
- Centralized control of multiple cabinets

Cabinet Operation

If a user selects the "I know what I want" option, the system will prompt the user to select which doors they want to open.

If a user selects the "I need to Search" option, doors will open automatically to release the keys in the search result list.

When a user is logged into the system, they can select the Doors button, to open other doors without having to log in again.

If an iFob is in the wrong slot behind a door that is open AND its correct slot is behind a door that is closed AND the user has authority to correct the mistake, then the correct door will auto open.

If the user does not have the authority, then the correct door will not open.

v2.2 features

Non-RFID locker support
Traka Web records all activity for both RFID and non-RFID locker systems. For example, this application allows students to combine both RFID lockers for laptop storage/charging functions with regular day-to-day book storage. Traka Web records not only physical assets in the locker systems using RFID technology, but also door movements when RFID is not in place, allowing administrators to monitor when lockers have been accessed through door open/close activity reports.

Accessing a locker
If a user has access to one locker door, when the user identifies at the locker, their assigned door will automatically open. The user will remain logged in until the door is closed or a timeout occurs.

If a user has access to multiple locker doors, or Admin/Reports, when the user identifies at the locker they will be given the choice of what to do. The user will remain logged in until they log out or close all locker doors they have open.

v2.2 features

Traka Touch remote system lockdown

When an external alarm is raised, Traka systems can automatically shut down and "System in lockdown mode" is displayed on the screen. This feature ensures full security within the business premises by securing the key cabinet(s) and lockers when high-alert alarms are sounded, thus restricting anyone from removing or replacing a key or asset. Users already logged into the system at the time of lockdown are restricted from removing any items, even if they have access rights.

User benefits are:

- Keys and assets are automatically locked down in an emergency
- Prevent unauthorized access where criminal activity is suspected

User interface

On alarm activation, the user interface will display a message informing that system access is currently blocked, preventing the user from logging in. A banner message is active throughout.

Users already logged in during an alarm condition are prevented from taking items that they have access to.

System access currently blocked message shows in the default language, and also cycles in all other supported languages.

v2.0 features
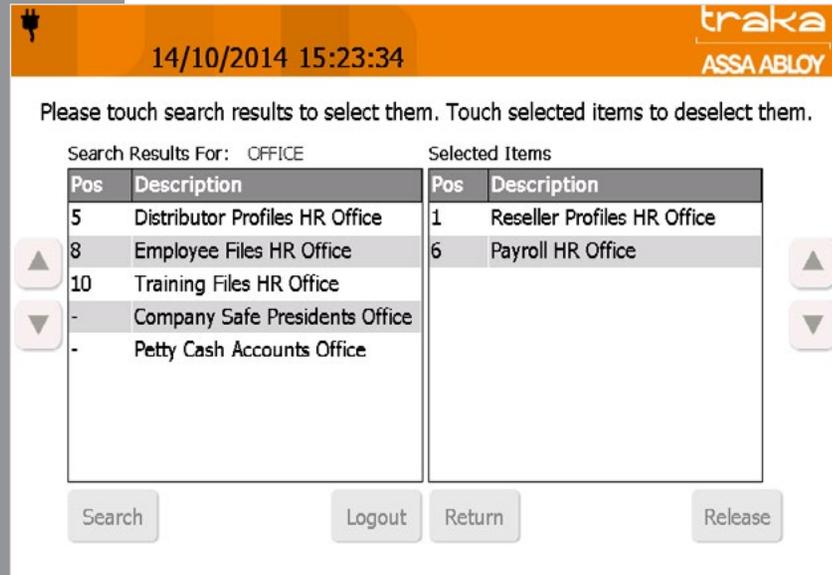
Description release

Description release enables users to search for and release a single key (item) or multiple keys by entering a brief description of each key. For example, finding a vehicle key in a busy workshop may be difficult with dozens of vehicle keys, but by assigning each key with a simple description, such as the number plate or vehicle model, it makes searching for a specific key very easy, and allows the keys to be released following the simple search. Searching and releasing keys has never been easier.
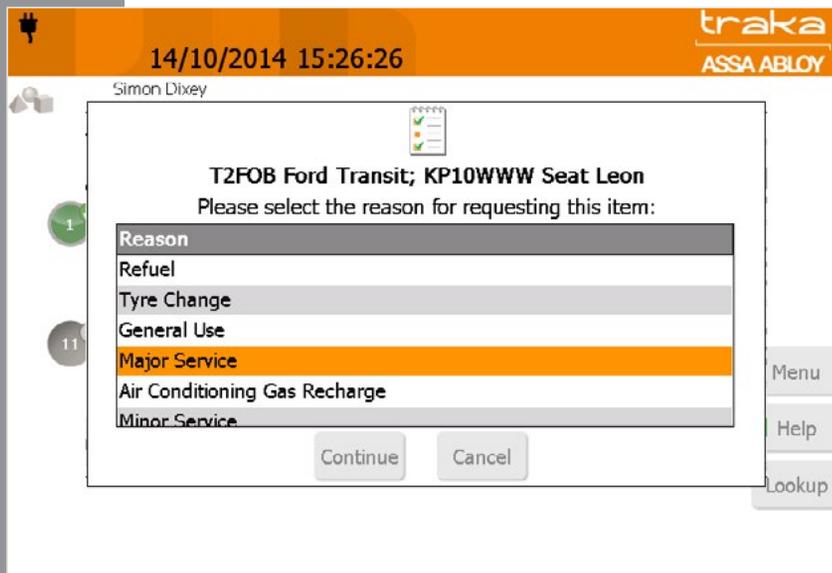
Reason logging

Reason logging allows a user to record a reason against the removal or return of a key. For example, hotel cleaning or maintenance staff may have numerous tasks to complete in different locations, but by logging each task that the key was used for, a full audit trail can be tracked to their job history. A list of reasons can be defined against each type of asset managed by Traka Web. For example, vehicle keys may have a different list of reasons to machinery keys. Traka Web also allows separate reason lists for removal of keys and return of keys, making it very flexible. Traka Web records all the reasons given for taking or returning keys, along with a KPI report on their usage.

v2.0 features

Note logging
Note logging allows a user to enter free text notes just before taking a key, or just after returning a key. This is a great way for people to record any information relating to the key or associated tasks. Traka Web records all the notes given when taking or returning keys.
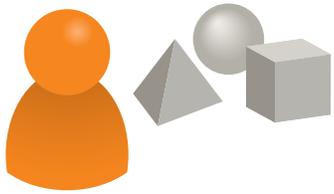
Custom messages
The custom messages feature allows a predefined text message to be displayed either just before taking a key, or just after returning a key. For example, you may ask a staff member to fill out the vehicle log book or remind someone to refuel a vehicle after using it. This is a great way to remind users of specific tasks that they may need to carry out.

v2.0 features

Item handover

Item handover allows users of the system to legitimately handover a key to an individual or company representative who does not normally have access to the Traka system. For example, external contractors may need access to certain sites, so by using item handover, you can record the name of the individual or company name that you have handed the keys over to, so that you can still have full traceability of when the key is removed, handed over and replaced, and by whom. The handover process still requires the individual's name or company name to be defined in Traka Web, so that only pre-defined recipients can be handed keys, not just anyone. Note: If you want to record the name of someone you are handing a key over to that is not registered on the system, the Note Logging option could be used for this.

Near real-time activity reporting

The Real-Time Activity report provides a live list of events as they happen. The report can be customized to color code specific events in order to highlight them. This could be used within a security office or alarm center where certain events need attention. Note: Events are uploaded from Traka Touch to Traka Web approximately every 30 seconds, and thus there is a small delay between the event being recorded by Traka Touch and it appearing in the Real-Time Activity Report.

v2.0 features

Integration Engine V2

The Traka Integration Engine V2 now works with Traka Web. IEv2 also provides a new API and is designed to provide read/write access to Traka data via the Representational State Transfer or REST web services architecture.

Traka Web working with Integration Engine V2 provides all the basic functionality of Integration Engine V1.

Ask your Traka representative for information on specific integrations.

Traka Web – Technical specifications

Traka Hardware Supported

Traka Web supports administration of the following systems:

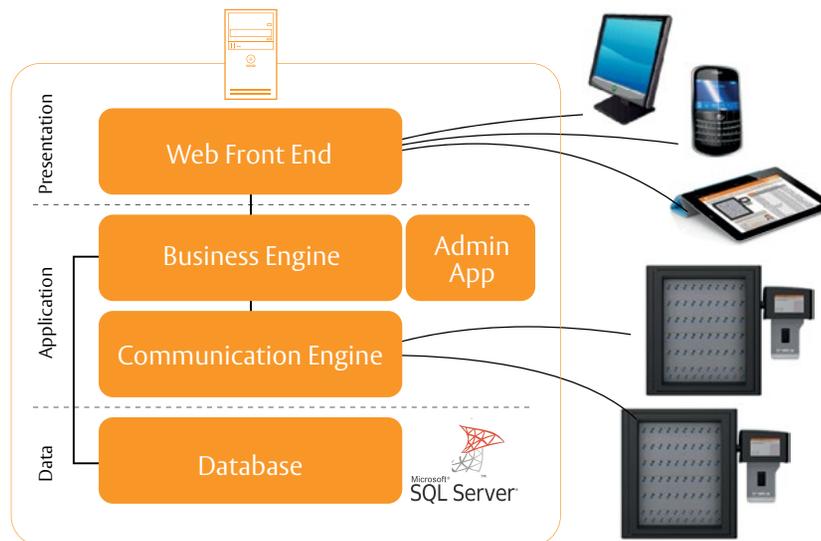Touch M-Series (10 to 40)
Touch S-Series (10 to 480)
Touch L-Series (10 to 720)
Touch Lockers*
* Please contact Traka to check the availability of Touch Locker types that are available.

System Architecture

Traka Web supports a 3 tier architecture, Data, Application and Presentation layers - enabling Traka Web to be efficient and scalable.

Scalability

	Max Scalability
Systems	2,000
iFobs	720 per system**
Users	25,000 per system
Item Access Groups	Unlimited
Regions	Unlimited
Events	Unlimited
Cyclic Event Buffer	250,000 per system

** Total iFobs per system depends on the cabinet model.

Security

Traka Web supports high levels of security:
Sensitive data between Traka Web and Traka Touch is encrypted to MD5 + AES256.
The web portal can be secured using SSL

Database

Traka Web works with a Microsoft SQL Server 2008 database
or later release (incl. Express Version), configured to mixed mode authentification.

Client browsers

Traka Web is compatible with the following browsers:
Internet Explorer v8 or above (v9 recommended)
Mozilla Firefox (latest version recommended)
Google Chrome (latest version recommended)
Safari (latest version recommended)

Minimum server specification

Windows Server 2012 with IIS8+ (3GHz Xeon, 8Gb RAM, 500Gb HD)

Windows Server 2008 R2 SP1 with IIS7+ (3GHz Xeon, 8Gb RAM, 500Gb HD)

Windows 10 with IIS10 (3GHz i3, 8Gb RAM, 500Gb HD)

Windows 8.1 with IIS5 (3GHz i3, 8Gb RAM, 500Gb HD)

Windows 8 with IIS8+ (3GHz i3, 8Gb RAM, 500Gb HD)

Windows 7 with IIS7.5+ (3GHz i3, 8Gb RAM, 500Gb HD)

32 or 64 bit support

Physical or Virtual machine support

Web Login Security

Simple Authentication – login credentials encrypted in database

Session time out – if you walk away you will be securely logged out

Active Directory Authentication

Optional SSL Authentication

Multi-lingual

Traka Web along with Traka Touch is multi-lingual. Languages are associated to the users login so languages automatically change depending on who logs in. Languages can also be changed anytime with a simple drop-down which makes support much easier.

Dashboard

Snapshot view of systems

Simple 'click a key' to view summary, events and update access rights

Quick links to edit or remote release or transfer ownership

Communications

All changes auto-sync

Traffic light system for comms progress

Centrally manage upgrades through web admin utility

Reports

Traka Web comes with a suite of reports to help you get better utilisation of the assets you want to control:
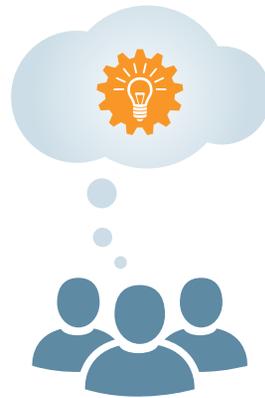
Activity reports
Status reports
Permissions reports
Exception reports
Utilisation reports

Shouldn't we be talking?

To learn more about how Traka solutions
can help your organization, contact us today.

1-877-34TRAKA
sales@TrakaUSA.com

Find Traka USA on:

- Key Control
- Vendor Badge Management
- Asset Management
- Access Control
- Fleet Mangement
- Inventory Control
- Data Rack Management
- Weapons Management
- Process Control
- Lockout/Tagout