



TB AUTOMATED DISPENSARY

Introduction



TB AUTOMATED DISPENSARY

Basic information

Automated dispensing of items from the warehouse or from dispensing machines. With the help of a freestanding panel or various types of dispensing machines, it is possible to dispense or reserve consumer goods, or also lend devices, tools, cars, gauges, tools. An online application is available for easy setup.

Warehouse management system TB WMS

- Records of dispensing
- Loans of goods
- Reservation of goods
- Restrictions by job positions and groups
- Management through a web application
- Cloud solution
- Reports
- Dispensing reference numbers
- Orders



Dispensary hardware

- The automated dispensary can be used in combination with a freestanding panel and with all types of machines and extension modules. The dispensary can be gradually expanded.
- Possibility to use several types of dispensing systems in one row, depending on the type of goods.

User interaction with hardware

- Login by password, card or chip using the assigned user role
- Control through the touch screen (withdrawal, loan, return, reservation)
- Display of goods based on widely adjustable restriction according to assigned job position and user group

Combination of the system with a dispensing panel

- Dispensing record panel for automated dispensary
- Delivery, loans and reservations
- Warehouse management system
- Touch display
- The possibility of connecting to other types of dispensing machines and expansion modules

- RFID card and chip reader
- QR barcode reader
- Label printer for printing delivery requests from your own warehouse



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Basic information

Combination of the system with dispensing machines

- Several different types of dispensing machines for dispensing a wide range of goods of various sizes
- RFID card and chip reader for login
- Control via a 27" flip-out touch screen
- QR barcode reader for easier selection and inspection
- Internal monitoring IP camera for dispensing

- WiFi / GSM connection
- Label printer for printing delivery requests from your own warehouse



Online system management

- Permissions for role-based data management (for example, the master can only see and manage user data and restrictions for the automated dispensaries assigned to his location, at the same time he can access transactions only from these dispensaries)
- Permission to display only certain modules within the application
- Authorization to perform only certain actions within the application

Compatibility with different types of machines ("plug and play" connection)



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Additional Information

Cloud

- Data server in the cloud
- Control the application via devices from anywhere
- Regular update

On-premises

- Data server directly in the machine
- Application control via devices on the internal network

Connection of external warehouses

- The system allows you to add existing goods using external warehouses (these are goods that are located outside the dispensing machine)
- It is therefore possible to extend all records (restrictions, orders, etc.) to the customer's own company goods that are not directly in the machines (for example, own warehouse, shelf, etc.)

Reporting and information emails

- Regular automatic and custom one-off reports
- Complete overview of all dispensing transactions and other data from the automated dispenser
- Informing default users by email in case of incorrect payments
- Notification in the event of an inactive machine
- Notification when the product limit is reached
- Informing when the goods reach the minimum limit

Connection to the internal system

- Import and export files for administrators with the required permission
- Using the same RFID cards or chips from the attendance system
- Option to connect to TB WMS via API - included in the subscription price
- Custom connection to an external system - API, CSV, XML, DB - as needed

Customization for suppliers

- Complete management of dispensaries at different locations of different customers
- Individual customers have separate data
- All with central cloud management
- The master user manages other users and dispensing restrictions from the machines assigned to him
- The supplier manages product data

Customization for the end customer

- From 1 dispensing unit (panel or dispensing machine)
- With the possibility of gradual expansion
- Option of on-premises or cloud solutions

Cost savings

- The main benefit is the reduction in the cost of dispensing consumer goods through the control and limitation of dispensing
- Saving the storekeeper's time, improving the overview of the inventory status

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TB WMS cloud solution operated by the goods supplier 

Both the supplier and individual customers have access to the TB WMS system

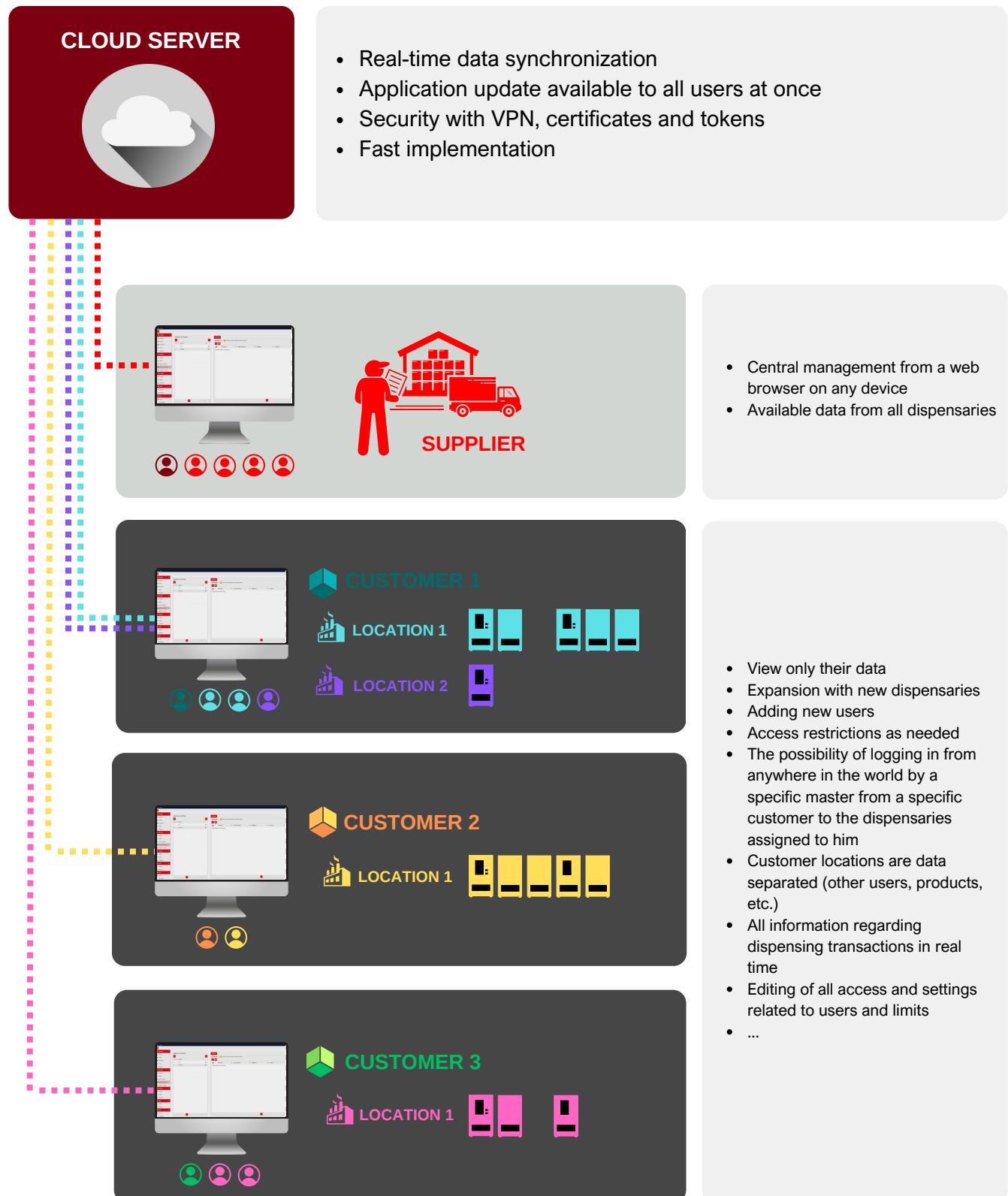
- The supplier manages the data of all customers
 - Customers and their locations
 - Product details and prices
 - Stocking status of individual dispensaries of all customers
 - Web application administrators and their permissions
 - Orders issued and receipts of all dispensaries
 - Automatic reporting for the supplier
- The supplier's customers only manage their dispensaries
 - Data regarding users (accesses to dispensaries, job positions, adding new users)
 - Restrictions of individual products
 - The masters have access to the dispensaries within the customer's selected location
 - Issue reference numbers (e.g. order numbers)
 - Set reporting for location, dispensary
 - Information regarding incorrect issues (videos and photos to selected email addresses of the end customer, i.e. e.g. a specific master has information regarding the dispensaries assigned to him)



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TB WMS cloud solution operated by the goods supplier 

Management using the TB WMS web application through the cloud



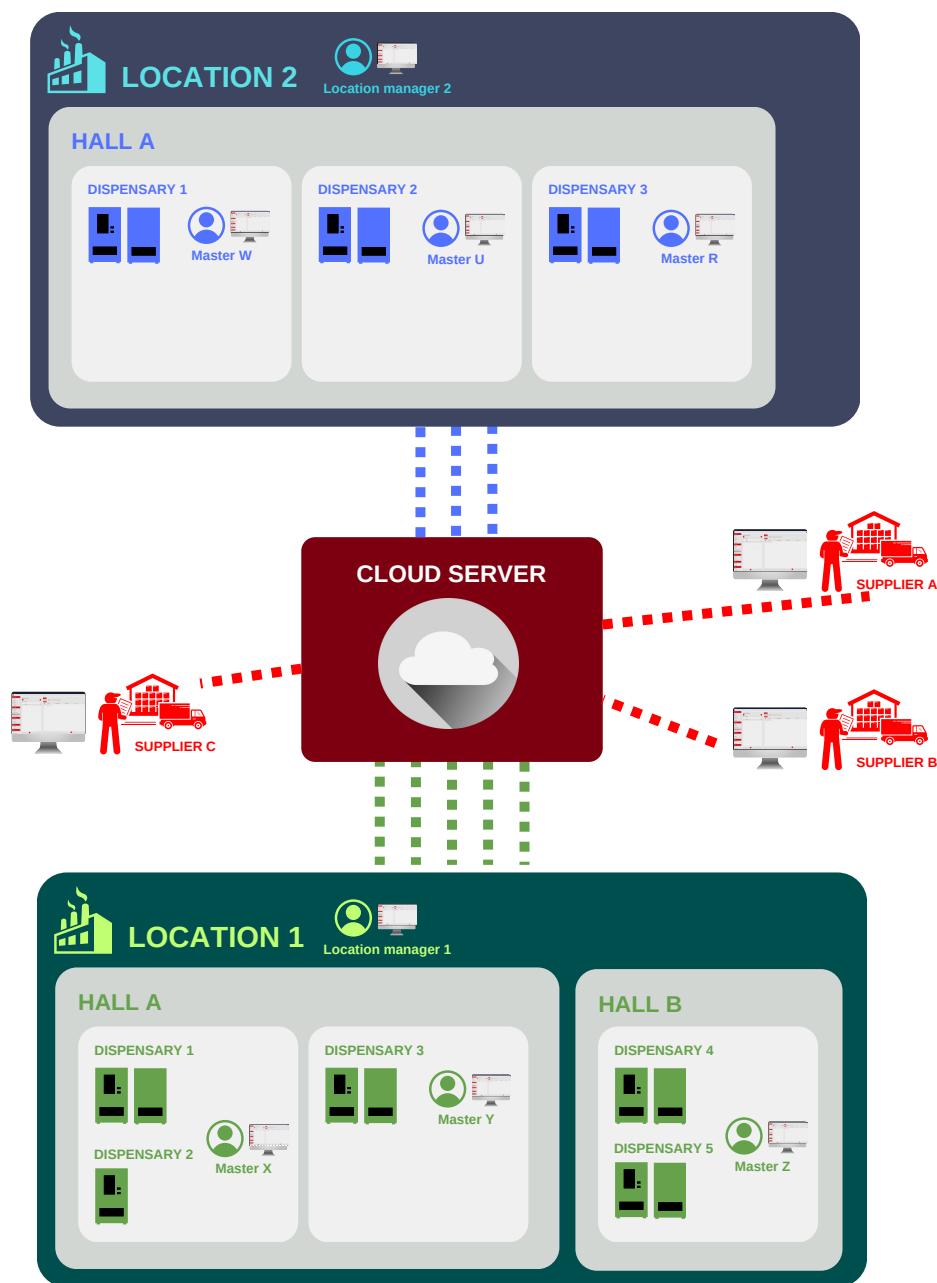
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TB WMS cloud solution for the end customer



Advantages of TB WMS cloud variant for end customers

- Data server in the cloud - IT management outsourcing
- Manage data through a web browser from anywhere
- No risk of losing synchronization, as the server is not stored inside the machine. That is, in the event of an outage of one dispensary, the operation of the others is without restrictive conditions
- Secure connection of suppliers of goods - not solving problems with access to the internal network
- Ability to connect multiple locations
- Regular updates of the TB WMS application and all other applications

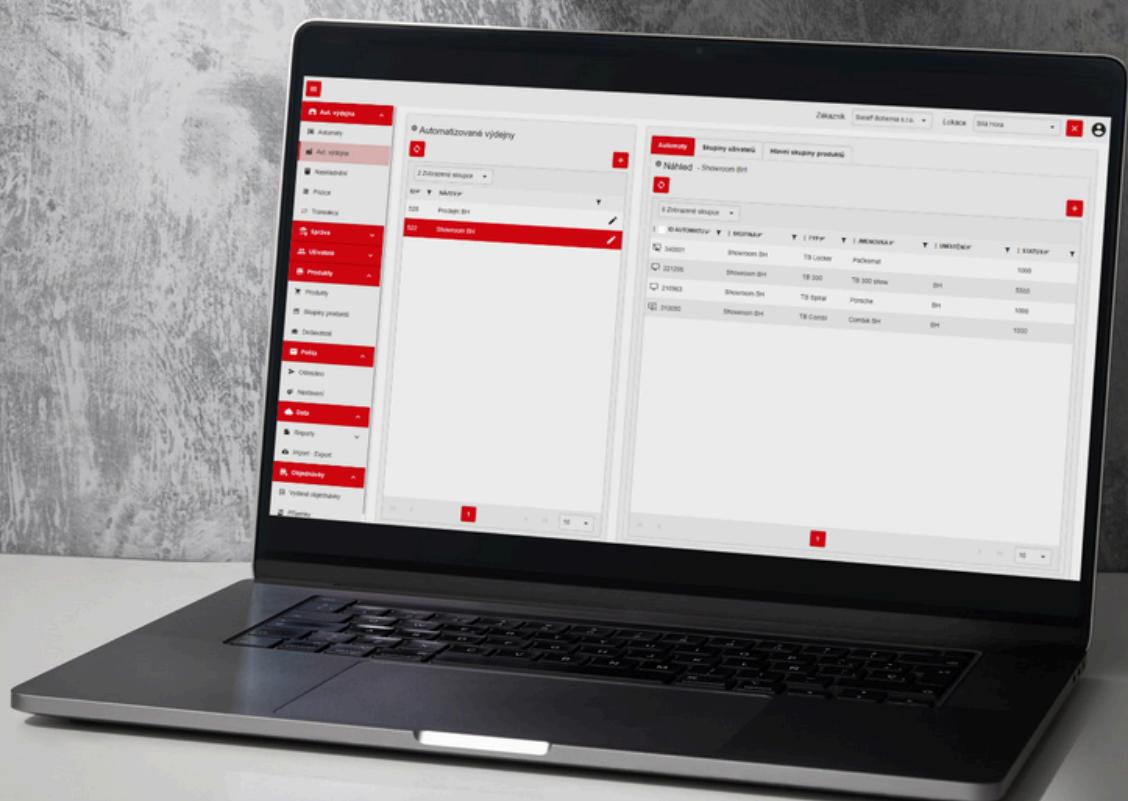


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TB WMS cloud solution - additional info 

Security and connection

- Microsoft Azure Cloud Environment - Take advantage of a team of more than 3,500 global cybersecurity experts working together to protect business assets and data in Azure.
- Connection using VPN, the machine is connected to the mobile network. The machine is connected to the server via a VPN modem or the customer's network. To increase security, it is possible to connect all accessing devices to a VPN for an additional fee.
- Data communication is secured using the JTW token and SSL encrypted.



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On-premises TB WMS solution for the end customer

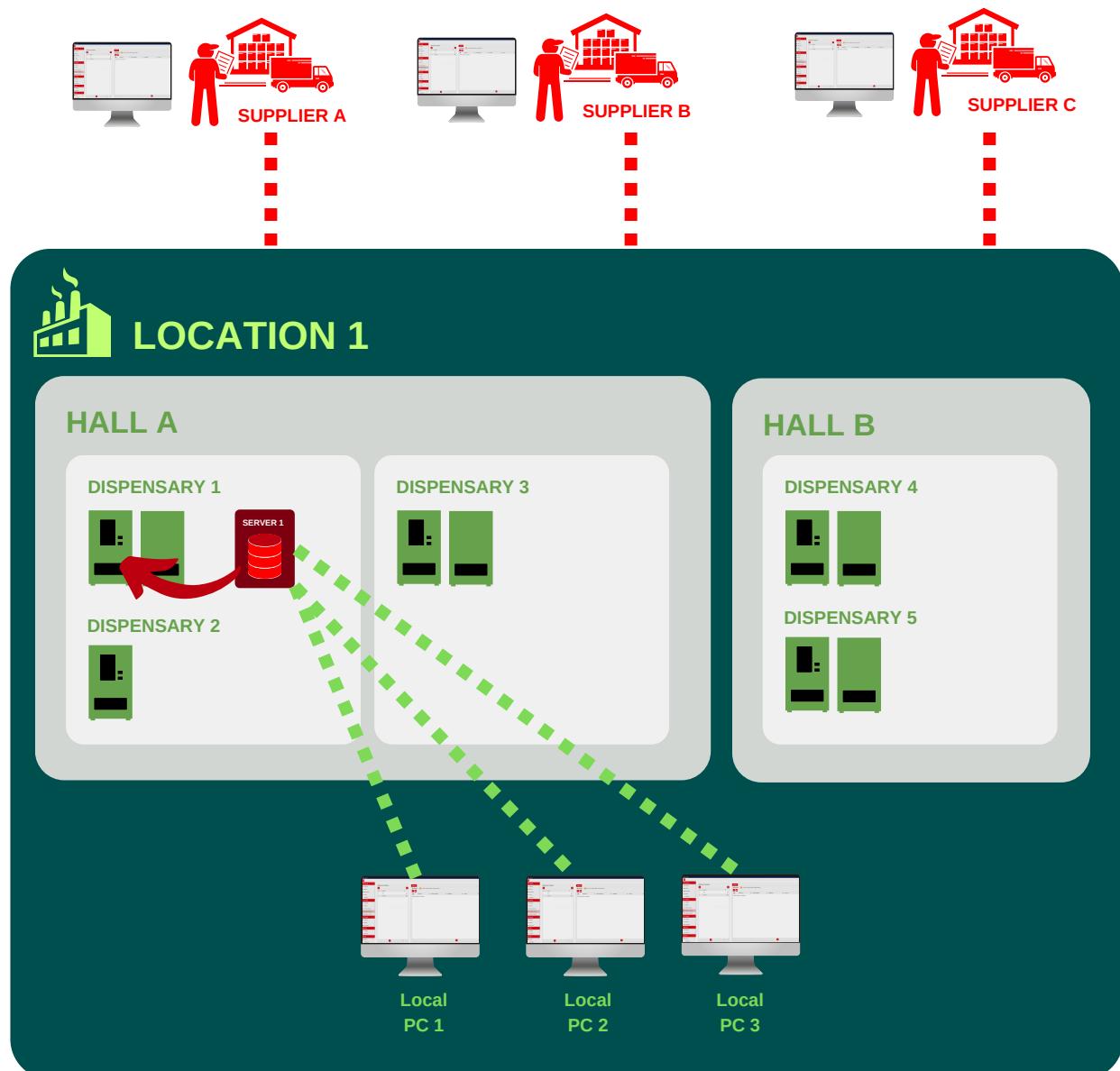


Leaving the server directly in the machine at the customer

- Data server in one selected dispensary
- Access to the application through the internal network

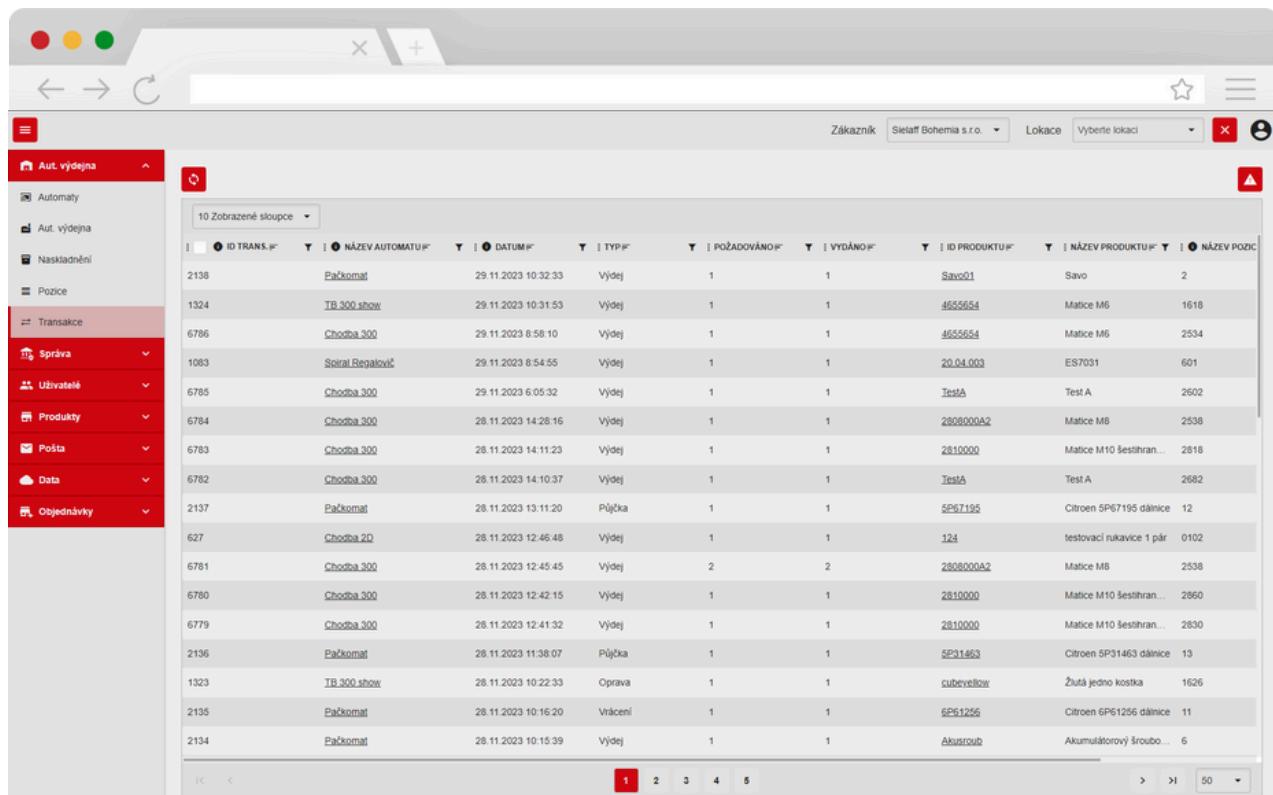
In the case of on-premises solution, the following needs to be taken into account

- Access to the internal network for supplier access to the application
- Risk of hardware failure - data disks in the dispensary with the server
- Limitation to only one location (for example, one manufacturing plant)
- App updates are not supported



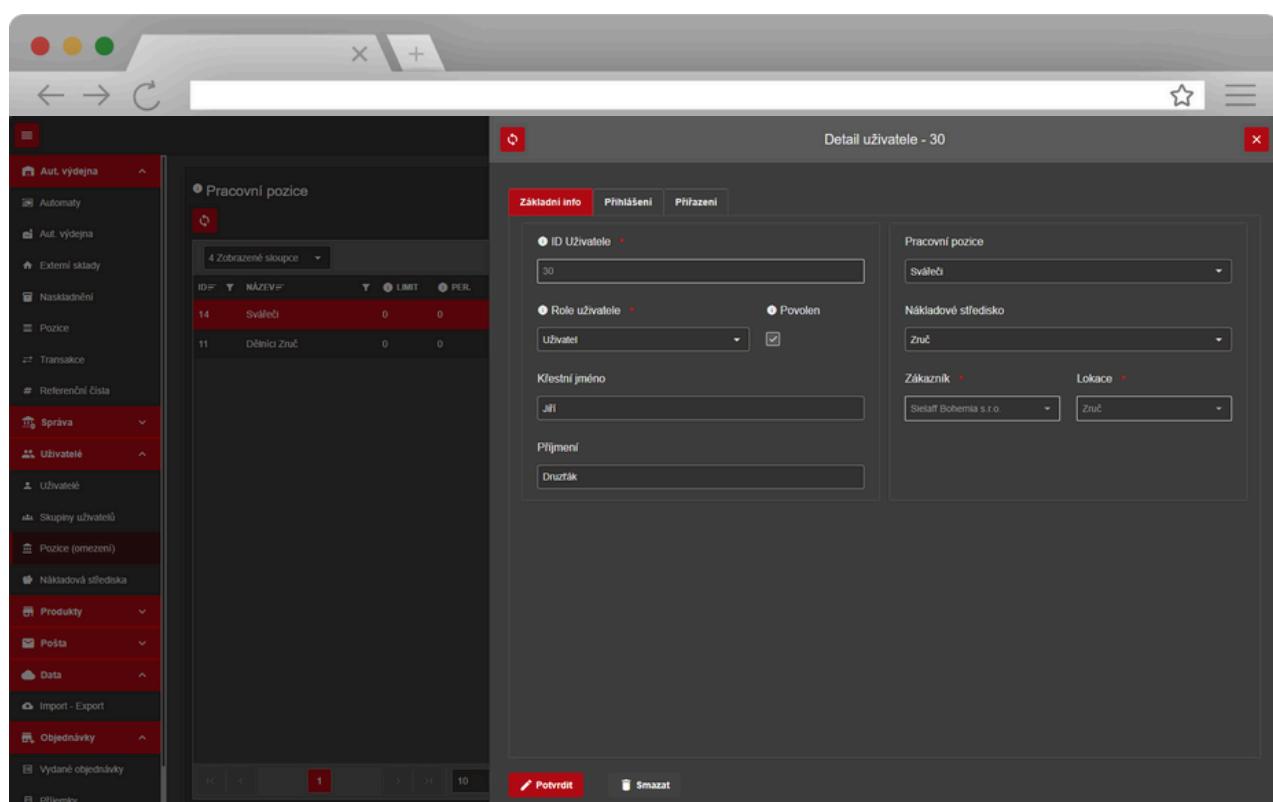
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TB WMS Preview - Light and Dark Mode



The screenshot shows a web-based application window with a light gray header bar containing standard OS-style buttons (red, yellow, green) and a search bar. The main content area has a white background. On the left is a vertical navigation sidebar with a tree structure. The 'Transakce' node is currently selected and highlighted in red. The main table area displays a list of transactions with the following columns: ID TRANS., NÁZEV AUTOMATU, DATUM, TYP, POŽADOVÁNO, VÝDÁNO, ID PRODUKTU, NÁZEV PRODUKTU, and NÁZEV POZIC. The table contains 21 rows of data, with page navigation buttons at the bottom showing pages 1 through 5 and a total of 50 items.

ID TRANS.	NÁZEV AUTOMATU	DATUM	TYP	POŽADOVÁNO	VÝDÁNO	ID PRODUKTU	NÁZEV PRODUKTU	NÁZEV POZIC
2138	Paškamat	29.11.2023 10:32:33	Výdej	1	1	Savo01	Savo	2
1324	TB 300 show	29.11.2023 10:31:53	Výdej	1	1	4655654	Matice M6	1618
6786	Chodba 300	29.11.2023 8:58:10	Výdej	1	1	4655654	Matice M6	2534
1083	Stojan Regalový	29.11.2023 8:54:55	Výdej	1	1	20.04.003	ES7031	601
6785	Chodba 300	29.11.2023 6:05:32	Výdej	1	1	TestA	Test A	2602
6784	Chodba 300	28.11.2023 14:28:16	Výdej	1	1	2808000A2	Matice M8	2538
6783	Chodba 300	28.11.2023 14:11:23	Výdej	1	1	2810000	Matice M10 šestihran...	2818
6782	Chodba 300	28.11.2023 14:10:37	Výdej	1	1	TestA	Test A	2682
2137	Paškamat	28.11.2023 13:11:20	Půjčka	1	1	5P67195	Citroen 5P67195 dálínce	12
627	Chodba 2D	28.11.2023 12:46:48	Výdej	1	1	124	testovaci rukavice 1 pá	0102
6781	Chodba 300	28.11.2023 12:45:45	Výdej	2	2	2808000A2	Matice M8	2538
6780	Chodba 300	28.11.2023 12:42:15	Výdej	1	1	2810000	Matice M10 šestihran...	2860
6779	Chodba 300	28.11.2023 12:41:32	Výdej	1	1	2810000	Matice M10 šestihran...	2830
2136	Paškamat	28.11.2023 11:38:07	Půjčka	1	1	5P31463	Citroen 5P31463 dálínce	13
1323	TB 300 show	28.11.2023 10:22:33	Oprava	1	1	cubeyellow	Žlutá jedno kostka	1626
2135	Paškamat	28.11.2023 10:16:20	Vrácení	1	1	6P61256	Citroen 6P61256 dálínce	11
2134	Paškamat	28.11.2023 10:15:39	Výdej	1	1	Akusrou2	Akumulátorový šroubo...	6



The screenshot shows the same application window in a dark mode theme. The sidebar and main content area have a dark gray background. The table rows are also dark, making the white text stand out. The right-hand detail view is titled 'Detail uživatele - 30' and contains tabs for 'Základní info', 'Přihlášení', and 'Přiřazení'. The 'Základní info' tab is active, showing fields for 'ID Uživatele' (30), 'Role uživatele' (Uživatel), 'Povolen' (checked), 'Křestní jméno' (Jiří), and 'Příjmení' (Družák). The 'Pracovní pozice' section shows 'Sváleč' selected. The 'Nákladová střediska' section shows 'Zruč' selected. The 'Zákazník' and 'Lokace' sections also show 'Sielaff Bohemia s.r.o.' and 'Zruč' respectively. At the bottom are 'Potvrdit' and 'Smazat' buttons.



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Compatible with TB - automated dispensary

