

9. System Administration

User manual

www.pinetek-networks.com

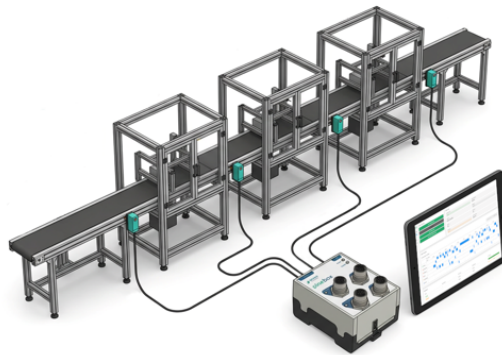
 CedarInsight

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9. System Administration

All functions in this chapter require the **Admin** role.

9.1 System configuration

The screenshot shows the 'System' configuration page. At the top, there's a 'System' header with a '100 %' zoom level and a 'Zurücksetzen' button. The page is divided into several sections:

- TIMEZONE:** A section titled 'All timestamps in analysis views and reports are stored in UTC and displayed in the timezone selected here.' It features a 'Timezone' dropdown menu set to 'Europe/Berlin', a 'SAVE' button, and a 'Current: Europe/Berlin' label. Below this is a 'Common:' row with buttons for various timezones: UTC, Europe/London, Europe/Berlin (selected), Europe/Paris, America/New_York, America/Chicago, America/Denver, America/Los_Angeles, Asia/Tokyo, Asia/Shanghai, and Australia/Sydney. A box shows the 'Current time in Europe/Berlin: 26.07.26, 08:03:28'.
- LANGUAGE:** A section titled 'Language used across the entire application and in generated reports.' It has a 'Language' dropdown set to 'English' and a 'SAVE' button.
- OEE THRESHOLDS:** A section titled 'Lower bound (%) for each colour band. Values must be descending.' It contains four input fields: 'Excellent' (85), 'Good' (75), 'Fair' (60), and 'Poor' (40). Each field has a color-coded square next to it. Below the fields is a 'SAVE' button and a horizontal bar with four segments corresponding to the thresholds: ≥85% (green), ≥75% (light green), ≥60% (yellow), and ≥40% (orange).
- PINETEK LICENSE:** A section titled 'Platform license enabling Cloud Backup and AI Chat features.' It includes an 'API Base URL' field with 'https://oee1.pinetek-networks.com', a 'License Key' field with an eye icon, and a 'REGISTER' button. Below these are two status indicators: 'Cloud Backup: Active' and 'AI Chat: Active', followed by 'Machine ID: be6579a2f60944f685b848344b996c95' and 'Last check: 26.7.2026, 05:48:50'. At the bottom of this section are 'CHECK LICENSE' and 'CLEAR LOCAL LICENSE' buttons.
- VPN:** A section titled 'Connect this device to the Netbird VPN network using a setup key provided by your administrator.'

System → *System* holds the global settings:

- **Timezone:** all timestamps are stored in UTC and displayed in the timezone selected here (analysis views and reports alike).
- **Language:** English or German; applies to the entire web interface and to generated reports.
- **OEE Thresholds:** the lower bounds (%) of the color bands *Excellent* / *Good* / *Fair* / *Poor* used wherever OEE values are color-coded. Values must be descending.
- **VPN:** optional remote-maintenance connection via Netbird: install the client and connect with a one-time **setup key** provided by Pinetek Networks or your Administrator. The card shows connection status, VPN IP, FQDN and peers.
- **Data Retention:** automatically delete production data older than the configured number of days (0 = keep forever). The purge runs daily at 02:30 (local time); **Purge Now** runs it immediately.
- **Danger Zone:** irreversible maintenance actions:
 - **Delete Database:** permanently deletes all production data and configuration and re-creates an empty schema. Requires typing DELETE to confirm. The default login is restored to admin/admin
 - **Seed Test Data:** fills the database with 60 days of realistic demo data (products, programs, runs, downtime and state events) for training/demos. Existing data is kept.



Delete Database cannot be undone. Make a backup first (9.3).

9.2 User management

Users

1 USER(S)

+ ADD USER

Name ↑	Email	Access level	Password	Status	Created
Admin	admin	admin		Active	17.07.26, 15:36

Items per page: 25 1-1 of 1

System → Users manages accounts. Per user: **name**, **e-mail**, **password** and **access level** (*Basic*, *Operator*, *Supervisor*, *Admin*; see [chapter 4.2](#)). Basic accounts have no password; all other levels require one. When editing, leave the password field blank to keep the current password. Users can be deactivated instead of deleted to preserve their history.

9.3 Backup & Restore

System → Backup protects your production data. The status card shows the last backup and the next scheduled one. Configure one or more targets and mark one as **active**:

USB Drive

Backup & Restore

BACKUP TARGET

USB DRIVE CUSTOMER RSYNC PINETEK SERVER

SAVE

Select drive

FORMAT DRIVE

Requires passwordless sudo for mount, umount, mkfs.exfat

Target not configured — fill in the required fields above and save

LAST BACKUP: Never

NEXT SCHEDULED: Not scheduled

TEST CONNECTION FULL BACKUP BACKUP NOW

SCHEDULE

Backup Time (HH:MM)

Enable scheduled backup

HISTORY

No backups yet for this target

The USB Drive backup stores the data on a USB drive connected to the USB port of the Pinebox.

The view lists detected drives and can **format** a new drive (!).



On format, all data on the USB stick on it is erased. The USB Drive backup is the least secure backup. In case of issues with the Pinebox (overvoltage or similar), there is risk of data loss on the Pinebox and the backup media at the same time.

Customer rsync

Backup to your own server via rsync/SSH

Backup & Restore

BACKUP TARGET

USB DRIVE
 CUSTOMER RSYNC
 PINETEK SERVER

[SAVE](#)

No host configured yet

[EDIT SETTINGS](#)

SSH PUBLIC KEY

ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIIDrVEhMZfjgHcN8AJvnTijgLxa6YjPdJWR1+6xi4f1M oee-backup [COPY](#)

! Target not configured — fill in the required fields above and save

LAST BACKUP
Never

NEXT SCHEDULED
 Not scheduled

[TEST CONNECTION](#)
[FULL BACKUP](#)
[BACKUP NOW](#)

SCHEDULE

Backup Time (HH:MM) ☐ Enable scheduled backup

HISTORY

No backups yet for this target

You need to obtain the settings (host, user, remote path, port) for the remote rsync from your local Administrator, matching to your rsync setup. **Test Connection** verifies the setup.

Pinetek Server

Managed cloud backup to Pinetek Networks infrastructure.

Backup & Restore

BACKUP TARGET

USB DRIVE
 CUSTOMER RSYNC
 PINETEK SERVER

[SAVE](#)

Backup: Active [CHECK LICENSE](#) Manage license in System → License

LAST BACKUP
Never

NEXT SCHEDULED
 Not scheduled

[TEST CONNECTION](#)
[FULL BACKUP](#)
[BACKUP NOW](#)

Connected to oee1.pinetek-networks.com successfully

SCHEDULE

Backup Time (HH:MM) ☐ Enable scheduled backup

HISTORY

No backups yet for this target

Requires the **Cloud Backup** license entitlement (9.6). The backup target are the Pinetek servers, no further customer infrastructure is required.

Running backups

- **Backup Now:** immediate incremental backup (only data since the last backup).
- **Full Backup:** forces a complete dump regardless of what is already on the destination.
- **Schedule:** enable daily automatic backup at a set time (HH:MM).
- **History:** every backup with target, trigger, covered data range, size and status (*Running / Success / Failed*).

Restore

Load Backups lists the backups found on the active target; select one and press **Restore**.



Restoring overwrites the current data and cannot be undone.

9.4 E-mail / SMTP settings

System → *SMTP* configures the mail server

SMTP Settings

SMTP SETTINGS

SMTP Host * Port *

Username Password

From Address * ☒ Use TLS/STARTTLS

Need a managed SMTP server? Pinetek Networks can provide one – contact info@pinetek-networks.com for more information.

To send mails from the CedarInsight system (reports, alarms, ..), an external SMTP server is required that can be reached from the Pinebox that CedarInsight runs on. This SMTP is usually provided by your local Administrator or can be provided by Pinetek Networks (contact us for details).

In either case, the configuration data needs to be entered: **host**, **port**, **username/password**, **from address** and **TLS/STARTTLS**.

Use **Test Email** to verify the configuration.

9.5 Software version & updates

Version & Updates

APPLICATION INFO

APPLICATION VERSION	DATABASE SCHEMA
0.9.109	v1

SOFTWARE UPDATES

The update manager runs on port 18090 of this device.

System → *Version* shows the **application version** and **database schema version**. This is relevant information if you need to contact support.

Software updates are handled by the separate update manager, which runs on port 18090 of the device; **Open Updater** takes you there.



CedarSense uses the same updater as the Pinebox. The file format are .pfw files.

9.6 License management

The Pinetek license shows the **machine ID**, registration state, time of the **last check** and the entitlement status:

Entitlement	Enables
Core	Running CedarInsight at all (chapter 3.5)
Cloud Backup	Backup target <i>Pinetek Server</i> (9.3)
AI Chat	The AI Assistant (6.5)

Actions: **Register** (with a license key), **Check License** (immediate re-validation, otherwise automatic every 24h, cached locally), and **Clear Local License** (removes the locally stored key and entitlements; the machine stays registered on the server).



If the CedarInsight system is operated in a non-online, isolated environment, the license does not expire.

9.7 Disk-space monitoring

The system monitors free disk space in the background and raises notifications ([chapter 4.5](#)) when space runs low. If warnings appear, reduce the data-retention period ([9.1](#)), purge old data, or contact support.