Support

Support, documentation, and technical assistance for the operation of NDPro.

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SSH installation

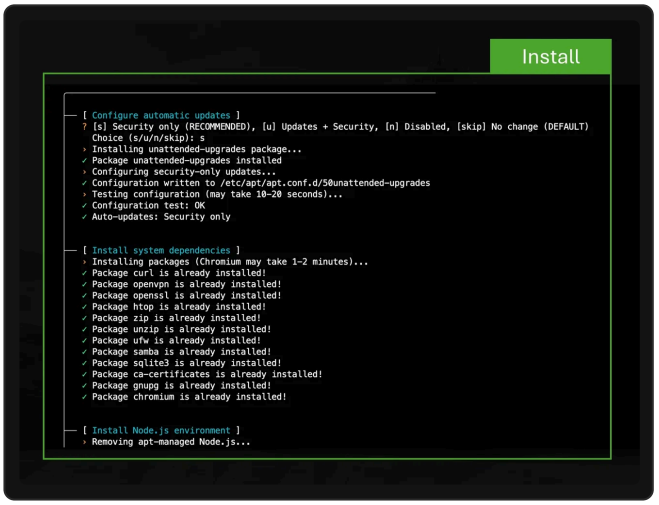
Install NDPro via SSH using the provided SH command. Use the ndpro user with sudo privileges. Installation as root or with other users is not supported.

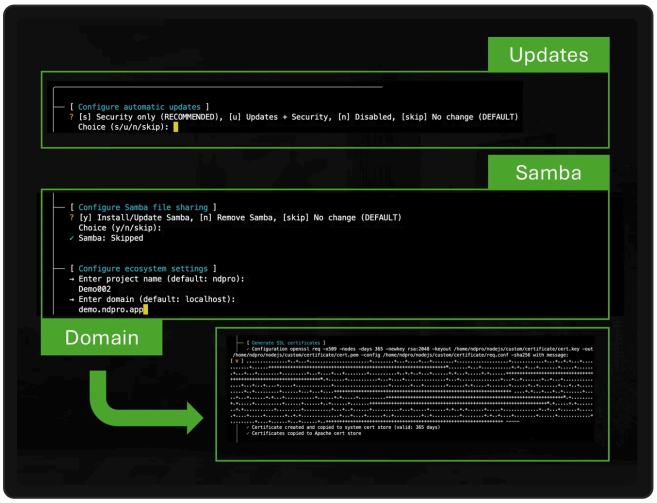
- Installation via SSH
- User **ndpro** with sudo privileges
- System check and installation start

Automatic installation

The installer checks the system state and installs all required components automatically. A current Debian system without additional software is recommended.

- Automatic package installation
- Headless Debian recommended
- Installation status is checked





Installation options

During installation, you adapt the system settings to the deployment environment, with options for updates and system components depending on the use case.

- Security updates for production systems
- Full updates for development systems
- Optional Samba and domain settings

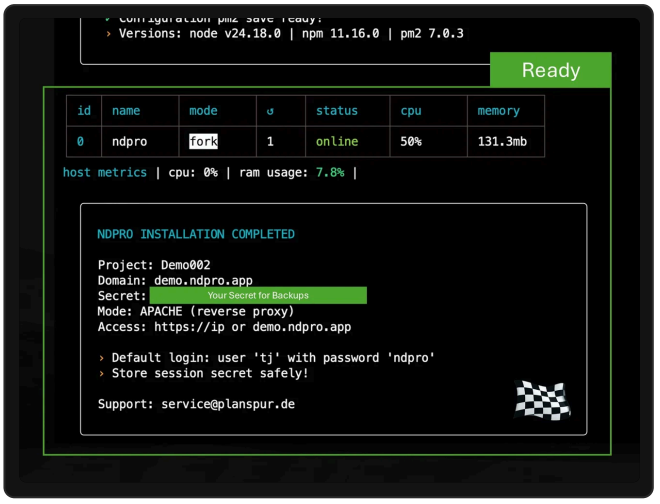
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Installation complete

After successful installation, NDPro is ready for use. Keep the system secret secure and initially access the system via its IP address.

- Keep the system secret secure
- Initial access via https://<IP address>
- Domain access after TLS configuration





Secure access

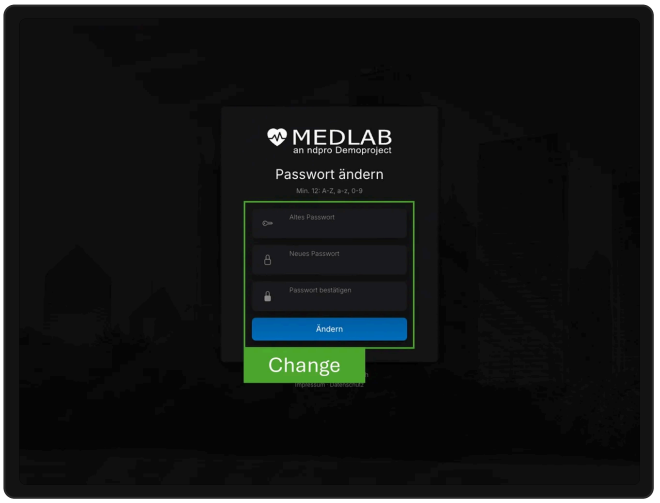
Access NDPro through your web browser. The login is secured using HTTPS, whether you connect via IP address or domain name.

- Login via HTTPS
- Access using IP address or domain
- No additional software required

First login

During the first login, you must assign a new administrator password. The password must comply with the defined security requirements.

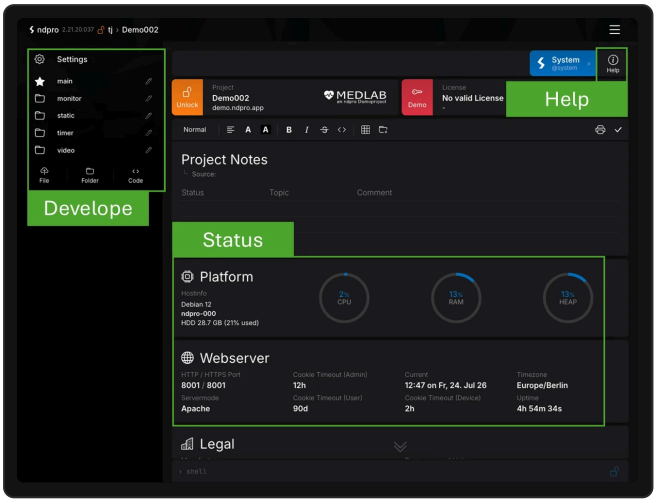
- Minimum 12 characters
- Uppercase, lowercase and numbers
- Default password is replaced



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Administration interface

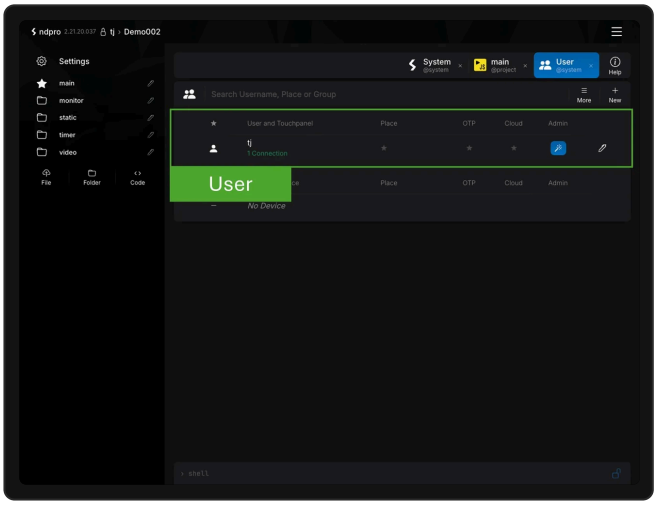
After signing in, you reach the central administration board. Manage users, systems, devices, integrations and projects in one place.

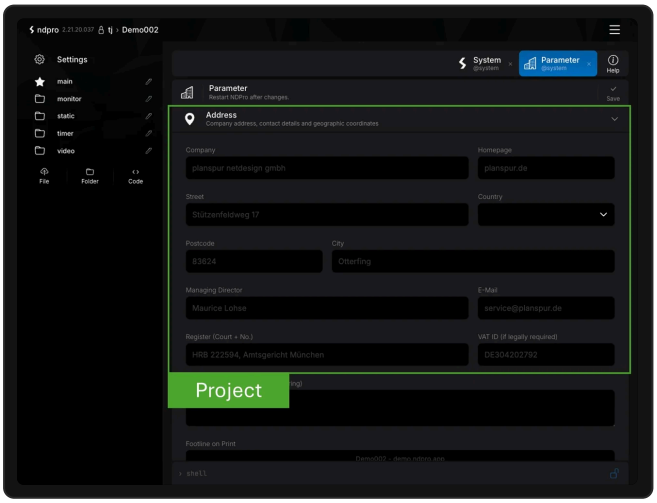
- Develop and manage microservices
- Centrally manage devices and users
- Status, diagnostics and help at any time

User management

Manage user accounts, groups and permissions from a single interface. This ensures every user has the appropriate access rights for their responsibilities.

- Manage users and groups
- Assign individual permissions
- Central access to all systems





Project configuration

Store project data for monitoring, documentation and system identification. The master data is managed centrally and applies across the platform.

- Maintain project and contact information
- Information for monitoring and legal notice
- Central project identification

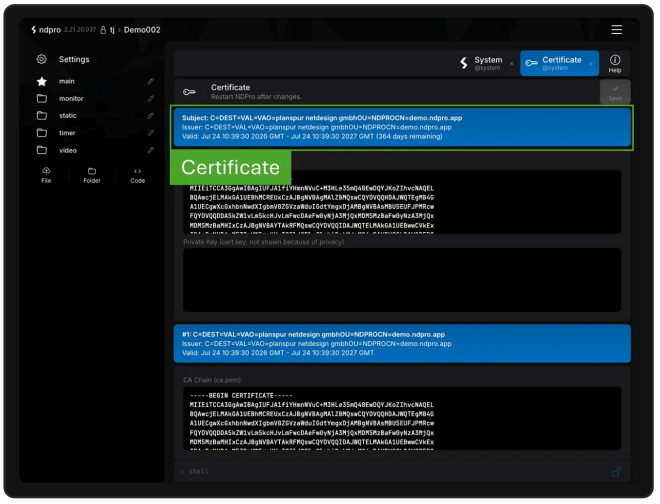
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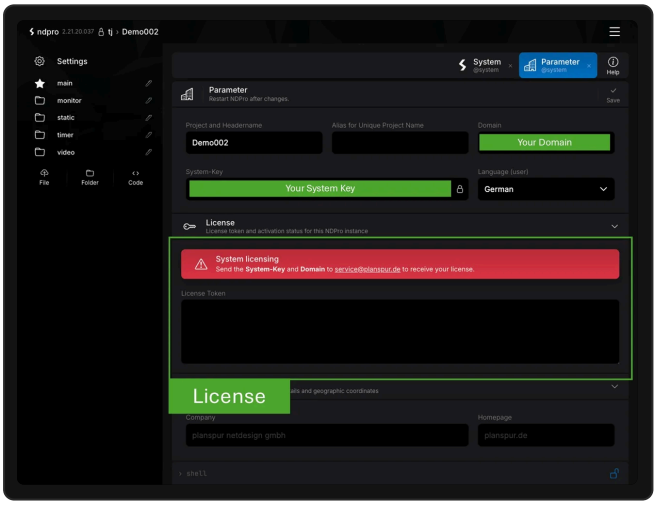
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TLS certificates

Manage TLS certificates centrally within NDPro. Certificates can be stored, validated and used to secure encrypted communication across the platform.

- Central TLS certificate management
- Secure HTTPS communication
- Validate and update certificates





License management

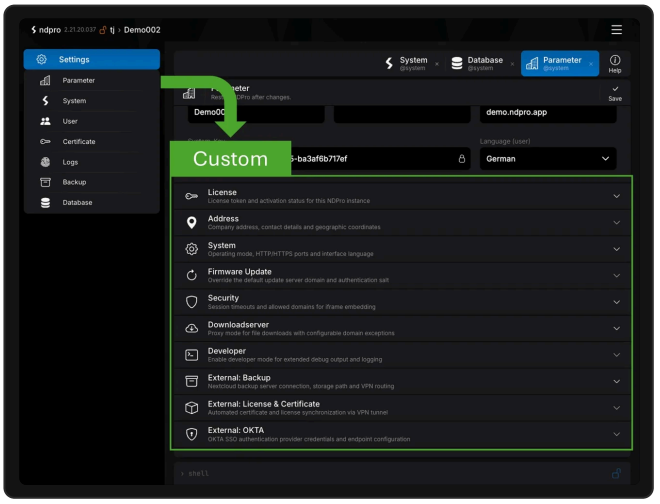
Every NDPro instance starts in demo mode. After submitting the system key and domain, a license can be requested and activated within the system.

- Start in demo mode
- Request a license using the system key
- Full monitoring after license activation

Advanced configuration

Manage central system settings for operation, security and integration of your NDPro instance. All advanced configuration options are available in one place.

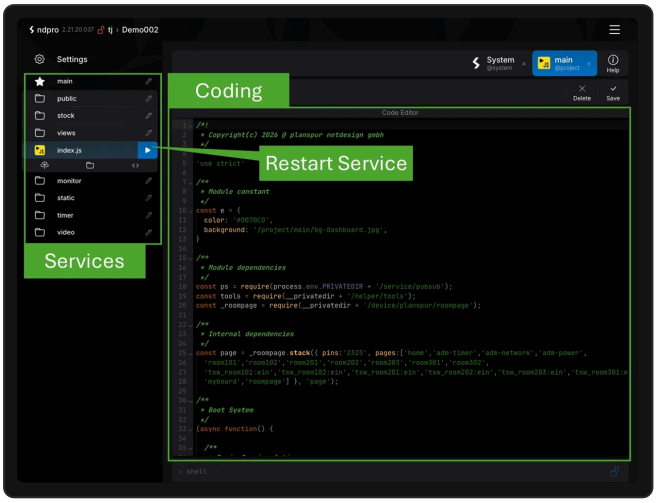
- Server, security and system settings
- Firmware, authentication and backup servers
- External licenses and system integrations



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Node.js development

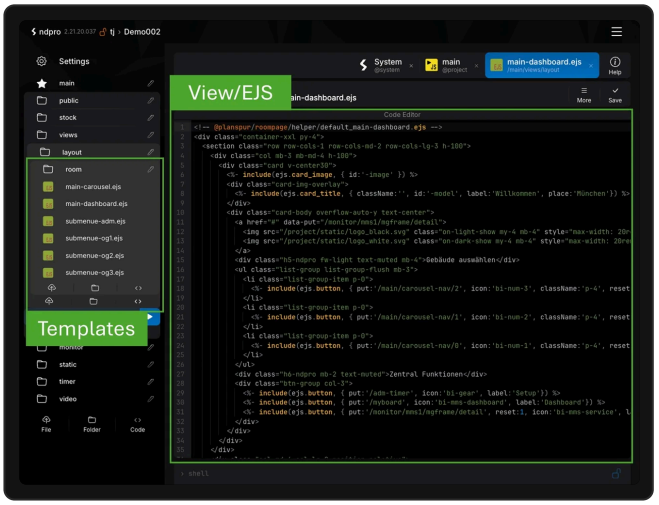
Develop custom services and device integrations directly in NDPro. Create, manage and deploy your own logic from a central development environment.

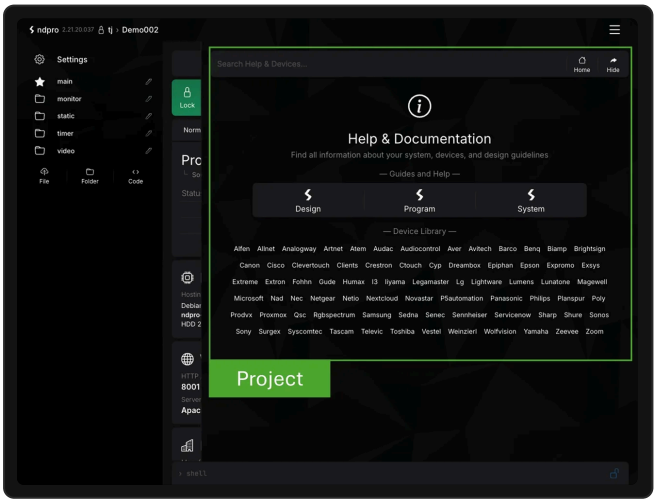
- Develop Node.js microservices
- Integrate custom devices and APIs
- Restart services instantly

HTML5 interfaces

Create custom HTML5 user interfaces with EJS templates: touch panels, dashboards and visualizations for a wide range of devices and applications.

- HTML5 interfaces with EJS
- Create custom templates
- Optimized for desktop and touch devices





Developer documentation

All essential information for development and administration in one place: documentation, macros, design guidelines and system settings.

- Documentation and examples
- Macros and design guidelines
- System settings explained

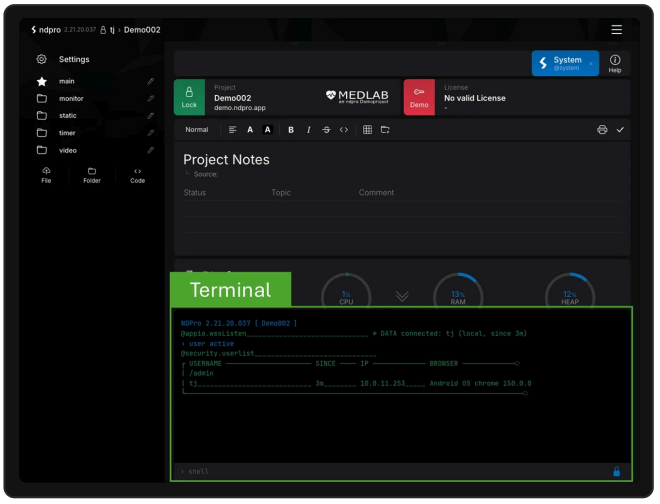
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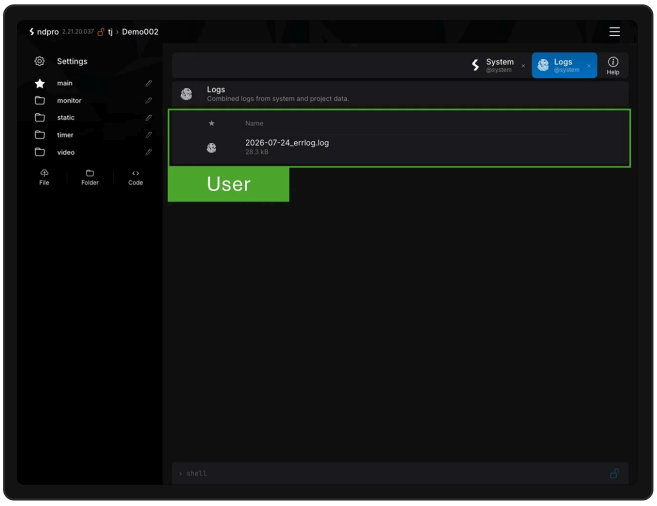
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System terminal

Perform administrative tasks directly from the integrated terminal. Analyze the system, restart services or access essential maintenance functions.

- Terminal for system maintenance
- Manage services and processes
- Diagnostics, backup and administration





Logging

All security-related and system events are logged centrally. User logins, errors, connections and system events can be reviewed at any time.

- Login and user activity
- Errors and system events
- Central audit and log files

Backup & recovery

Manage backup files and offline updates from one central location. Backups can be uploaded, downloaded or used to restore an NDPro system.

- Upload and download backups
- Restore systems from backups
- Secure system migration

