GETTING STARTED

Backup, restore, upgrade, uninstall

What to back up, project export/import, in-place upgrades, uninstalling.

Online: mergenhub.envest.com.tr/docs/backup-upgrade

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Everything MergenHub owns lives under one folder, which makes backup, migration and upgrades simple.

What to back up

ITEM	LOCATION	NOTES
Whole data folder	`C:\ProgramData\MergenHub\`	Project, SCADA, users, settings, license, certificates, logs, historian
Project only	*Connectivity* › *Export* → JSON	Channels, devices, tags, alarms, log groups, virtual tags, aliases
SCADA only	*SCADA* › *Export project*	Screens, zones, symbol library, bindings
Historian in an external DB	your ODBC database	Back up with the database's own tools

> **Tip** A nightly copy of `C:\ProgramData\MergenHub` (with the services running is fine; SQLite files are consistent) is enough to rebuild a server from scratch.

Example scheduled task (robocopy, keeps 14 daily copies):

```
robocopy "C:\ProgramData\MergenHub" "D:\Backups\MergenHub\%date:~-4%%date:~3,2%%date:~0,2%" /MIR
/R:1 /W:1 /XD logs
forfiles /P "D:\Backups\MergenHub" /D -14 /C "cmd /c rmdir /s /q @path"
```

Restore

1. Install the same or a newer MergenHub version on the target machine.
2. Stop the three services (`sc stop MergenHub`).
3. Replace `C:\ProgramData\MergenHub` with the backup (keep the new `webpki\` if the host name changed).
4. Start the services. Users, project, screens and history are back.
5. Re-activate the license on the new hardware (release it on the old machine first, or use *Force release* in the portal).

Migrating to another server

Same as restore. Points to remember:

- OPC UA clients trust the **server certificate**; a new machine has a new certificate unless you copy `pki\own`. Clients may need to trust it again.
- The web HTTPS certificate is bound to the host name; regenerate with `MergenHub.exe gencert "<name>"` if the name changed.
- Firewall rules are per machine — the installer creates them; see Firewall.

Upgrading

Run the new installer. It:

- stops services and the tray app,
- replaces program files completely (no stale DLLs),
- keeps `C:\ProgramData\MergenHub` untouched,
- migrates old service names if needed,
- starts everything again.

Downtime is typically under a minute. Release notes are on the releases page; licensed installations are notified inside the application. Upgrades are free for the life of the license.

> **Note** Downgrading is not supported. Keep the previous installer and a backup if you want a way back.

Project export / import

Connectivity › Export writes the project as JSON; *Import* reads MergenHub or Kepware JSON exports. Import can **replace** the project or **merge** into it (same-named channels are replaced). Passwords inside device settings are exported encrypted with a project key; importing on another server asks for the key.

Uninstalling

Settings › Apps or the uninstaller in the program folder. It stops and removes the three services, removes the firewall rules and the tray autostart, and deletes program files. **The data folder is kept** so a later reinstall finds everything again. Delete `C:\ProgramData\MergenHub` by hand if you want a completely clean machine.