

Modulo — IT Security & Data Privacy Overview

What is Modulo?

Modulo is a desktop application for Windows that helps teams generate customised documents from master templates using Microsoft Word. It runs entirely on the local machine, no cloud processing, no document uploads, no browser-based editor.

Data That Leaves the Machine

Modulo makes outbound HTTPS requests to our licensing server for license activation and periodic validation only. The data transmitted is limited to:

- A one-way SHA256 hash of hardware identifiers (CPU ID, motherboard serial, system UUID, and Windows installation ID), used to bind the license to the machine. This hash cannot be reversed to identify the hardware.
- The computer name (e.g. "ENGINEER-PC"), used for device identification in license management.
- The license key entered during activation.
- A timestamp of the last successful validation check.
- The current Modulo version.

That is the complete list. No other data is transmitted externally.

Data That Never Leaves the Machine

- Document content, all processing happens locally using the OpenXML SDK and Microsoft Word's COM interface. No document content is transmitted externally
- Document filenames and file paths
- Document structure or headings
- User selections or preset configurations
- Usage statistics
- Any personally identifiable information beyond the hardware hash described above

Local Storage

Modulo stores the following on the local machine:

- An encrypted license file in %LocalAppData%\Modulo\ and a backup in the user-level Windows Registry (HKCU\Software\Modulo\License), contains license key, expiry date, and machine hash only
- Document structure caches in %LocalAppData%\Modulo\Cache\ stores heading structures, preset configurations, and a local working copy of the master document to enable offline use and improve performance. All cached data remains on the local machine and is never transmitted externally.
- User preferences (preset mode, display settings) in %AppData%\Modulo\settings.json

All local data is scoped to the current Windows user account.

Shared/Network Storage (Optional)

In team configurations, Modulo can optionally read and write preset files to a shared network folder chosen by the organisation. This is entirely within your own network infrastructure; presets are never routed through Modulo's servers. The organisation retains full control over this folder's location and access permissions.

System Access

- **Microsoft Word COM Interop** — required for document processing (reading headings, generating output documents)
- **WMI queries** — reads CPU ID, motherboard serial number, and system UUID for license binding. Also reads the computer name for device identification.
- **Windows Registry (HKCU and HKLM read-only)** — user-level storage for license data; reads a Windows installation identifier from HKLM for license binding (no write access to HKLM required)
- **Temp folder** — temporary working copies are created during document generation and cleaned up afterward

Modulo does not require administrator privileges to install or run.

Network Requirements

Modulo makes outbound HTTPS connections to a single external endpoint, used only for licence activation and periodic validation:

Endpoint: license.usemodulo.com

Protocol / Port: HTTPS (TLS) / 443, outbound only

Inbound connections: None. Modulo does not listen on any port and requires no inbound firewall rules.

No other external connections are made. If your environment restricts outbound traffic, whitelisting license.usemodulo.com on port 443 is the only rule required.

Modulo is designed to tolerate offline use between validation checks: a licensed installation can launch up to 100 times without reaching the licence server, and a trial installation up to 10 times, before a successful validation is required. Normal use on a connected network resets this allowance automatically, so in practice the limit is only relevant to machines kept offline for extended periods. The offline allowance does not extend a licence beyond its expiry date.

Summary

Question	Answer
Does document content leave the machine?	No, never
Does Modulo collect telemetry or analytics?	No
What data is transmitted externally?	Hardware hash + computer name + license key only, over HTTPS
Does it require admin privileges?	No
Can it run fully offline?	Yes, up to 100 launches between checks; 10 on trial
Where is data stored locally?	AppData (user-scoped) and optionally a network folder you control

For technical questions, contact stace@usemodulo.com