Command Line and Pipeline Guide

For TDs and IT administrators

Shield3D v2.7
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1. Where the command is

Platform	Command
Windows	`"C:\Users\<user>\AppData\Local\Programs\Shield3D\shield3d-cli.exe"` (or `shield3d-cli.exe` in the folder you installed to)
Mac	`/Applications/Shield3D.app/Contents/MacOS/Shield3D`

The examples below write this as `shield3d`. Add `--lang en` or `--lang ja` to any command to choose the display language.

2. Commands

Command	What it does
`scan <paths…> [options]`	Scan files, folders and zip archives
`pc [--fix] [--fix-danger]`	Scan this PC's Maya environment (`--fix` removes known malware; `--fix-danger` also deletes files rated Dangerous)
`report <results folder> [--client NAME]`	Create an inspection report from earlier results
`update`	Update malware definitions (Shield3D and ClamAV)
`license status | activate <key> | import <file> | refresh | upgrade | deactivate | request`	Check, activate or deactivate the license
`engines`	Show available scan engines
`gui`	Open the graphical interface

3. scan options

Option	What it does
`--clean`	Create clean copies (originals are not changed)
`--strict`	Also clean non-standard auto-run script nodes rated Review
`--full-copy`	Also copy files with no issues, making the clean folder a complete delivery
`--engines yara,clamav,defender`	Engines to use (these three by default; Shield3D's own analysis always runs)
`--vt`	Also look up hashes on VirusTotal (API key required)
`--zip-password PW`	Password for protected zip archives
`--mb-mode remove`	Delete malicious .mb node groups (experimental; neutralizing is the default)
`--mayapy [path]`	Re-open .mb files with mayapy and fully delete malicious nodes (detected automatically if no path)
`--client-report` / `--client NAME`	Create an inspection report PDF / its addressee
`--out <folder>`	Output folder for results
`--no-open`	Do not open the report when finished (for automation)

4. Exit codes and ingest automation

Exit code	Meaning
0	Clean
1	Items to review or unreadable files
2	Infected or dangerous files

Windows batch example: scan an incoming delivery and stop on infected or dangerous files

```
"%LOCALAPPDATA%\Programs\Shield3D\shield3d-cli.exe" scan "\\server\incoming\vendorA" --clean --
no-open --lang en --out "D:\scan\vendorA"
if %ERRORLEVEL% GEQ 2 (
  echo Infected or dangerous files found. See D:\scan\vendorA
  exit /b 2
)
```

Python example

```
import subprocess
r = subprocess.run([SHIELD3D, "scan", path, "--clean", "--no-open", "--lang", "en", "--out", ou
t_dir])
if r.returncode == 2:
    raise RuntimeError("Infected or dangerous files: " + out_dir)
```

`report.json` in the results folder contains each file's verdict, findings, SHA256 and cleaning result.

5. What's in a results folder

File (English / Japanese display)	Contents
`scan_results.html` / `検査結果.html`	Results to view in a browser
`scan_results.csv` / `検査結果.csv`	List for spreadsheets
`report.json`	Complete results for automation
`cleaned/` / `駆除版/`	Clean copies (with `--clean`)
`inspection_report.pdf` / `検査報告書.pdf`	Inspection report (with `--client-report`)

6. Settings file

Settings are in `shield3d_settings.json` (File → “Open settings file”).

Key	What it does
`language`	`auto` (default) / `ja` / `en`
`virustotal_api_key`	VirusTotal API key (for business use, your own Premium key)
`clamav_path` / `clamav_database`	ClamAV location and definitions (normally left blank for auto-detection)
`use_mdatp`	Use Microsoft Defender for Endpoint on Mac (default `false`)
`report`	Report issuer, department, person, contact, addressee and subject (custom issuer on Pro and above)

The environment variable `SHIELD3D_HOME` changes where settings and results are stored; `SHIELD3D_LANG` sets the display language. To use your own YARA rules (Pro and above), put `.yar` files in File → “Open custom rules folder”.

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