

# Compliance

## Feature & Capability Set

Comprehensive overview of features and compliance capabilities across our products.

### THIS DOCUMENT COVERS



#### InfraKnit **Asset Management**

Complete asset lifecycle management and visibility



#### InfraKnit **Patch & Server Monitoring**

Intelligent patch management and server health monitoring



Secure



Integrated



Optimized

# InfraKnit - Asset Management Feature & Compliance Set

Asset Management scope only. All capabilities below are supported / on offer.

## Platform, Architecture & Deployment

- 100% web-based management console - access from any standard browser, nothing to install on the operator machine
- Single, unified pane of glass across asset, inventory, monitoring, patching, security and automation
- Modular, license-based architecture - enable Asset Management, Patch and Server Monitoring under one common agent and CMDB
- On-premises deployment with no dependency on internet connectivity for core operation
- Ships as a pre-integrated virtual-machine image (OVA / VHD / qcow2) with database and application pre-installed
- Database and application owned and supported end-to-end for fast root-cause analysis; no third-party plug-in licenses required
- Single lightweight agent for Windows and Linux (macOS on roadmap) - coexists cleanly with antivirus, DLP and application-control clients
- Operates continuously whether the endpoint is on-network, on VPN, remote/WFH, or in an air-gapped environment
- Onboarding of a new endpoint in under 30 minutes; scale the deployment up on demand

## Web Console, Access Control & Authentication

- Multi-level web access with full Role-Based Access Control (Admin / Operator / Auditor / Viewer)
- Reporting and console functions gated by rights assigned by the master administrator
- Scoped My Team organisation view - searchable org tree with designation and reporting line, drill-down to a person's assigned assets within the viewer's span of control
- Single Sign-On (SSO) federation across our own product family with shared-secret trust and automatic role mapping
- Active Directory / LDAP bind authentication with local-password fallback (in-app password is app-local, never written back to AD)
- Two-factor authentication (email OTP) support
- Multi-tenant / multi-organisation capable with hierarchical separation

## Directory Integration & Identity

- Integrates with one or more Active Directory structures and Microsoft Entra ID (Azure AD) without requiring schema extension
- Operates fully even when devices are NOT domain-joined - AD is optional, not mandatory
- Live two-pass directory sync that rebuilds the full manager/reporting hierarchy from AD
- Maps AD attributes to asset/user records - department, designation/title, employee ID and phone
- Group-to-role mapping, test-user verification, and presets for AD / OpenLDAP / FreeIPA / Entra ID
- Periodic automatic re-sync with deactivate-on-removal (users removed from AD are retired automatically)
- Configure-once directory settings and securely share to peer modules (bind password never exported)
- Duplicate-identity protection - merges on email, directory DN and employee code so one person is never twinned
- Validated against a live production Active Directory (full hierarchy, departments, IDs and phone resolved)

## Asset Discovery & Onboarding

- Agent-based discovery of OS, hardware, software and peripherals on every check-in

•	Agent-less discovery via SNMP and network scanning for unmanaged devices
•	IP-range / subnet network discovery with ICMP, port scan, OS fingerprinting and banner grabbing
•	Automatic classification of discovered desktops, laptops, servers, printers, switches and routers with confidence scoring and MAC-vendor lookup
•	Discovers and maintains records of virtual hosts and virtual machines
•	Manual onboarding through the UI/API for IT and non-IT assets not on the network
•	Bulk CSV import with duplicate detection (by hostname / serial / asset tag)
•	Scheduled inventory scans for selected device groups at pre-defined intervals; full first scan then delta scans
•	Reports the last-logged-in user for any asset; inventory never older than one day for active devices

## Hardware Inventory & Health

•	Complete multi-vendor hardware inventory - CPU type/speed, cores, RAM, BIOS, baseboard, storage, NICs, IP/MAC, model, attached peripherals
•	Battery health and remaining-life tracking with trend charts to support procurement planning
•	Thermal, fan and SMART storage health monitoring with threshold alerts
•	Monitor/GPU, share-drive mapping, and TCP/UDP connection detail collection
•	Peripheral tracking (monitors, keyboards, mice, printers, USB, webcams, headsets) with assignment history across asset swaps
•	Hardware grading (A/B/C/D/F) with automatic upgrade-recommendation flags from CPU/RAM/storage/age
•	360-degree endpoint view consolidating overview, hardware, software, peripherals, financials, history and settings

## Software Inventory, Licensing & Metering

•	Full software / application inventory including in-house, virtualised apps, OS version and service-pack levels
•	Curated software catalog of standard publishers plus whitelist / blacklist management
•	License management - license type, counts, vendor and keys, with deployed-vs-purchased reconciliation
•	Windows OS and application license-key capture and reporting
•	License-threshold breach alerts and warranty/AMC expiry alerts
•	Detection of End-of-Life / End-of-Support software and unauthorised software present on endpoints

## Asset Lifecycle, CMDB & Relationships

•	End-to-end lifecycle management - Procurement, Deployment, In-Production, Maintenance, End-of-Life and Disposal with validated stage transitions and per-stage alerts
•	Integrated CMDB with asset relationships (parent/child, runs-on, depends-on) and a dependency graph
•	Asset baselining and full change history at each asset down to field-level changes for audit and troubleshooting
•	WFH-device tagging and movement/transfer history with end-to-end visibility
•	Self-verification audit campaigns, hardware-change detection and maker-checker multi-stage approval workflows

## Financial & Cost Management

•	Track asset cost by cost-center and business unit with GL-code support and roll-up reporting
•	Depreciation engine with purchase cost, value over time and aggregate financial views
•	Local-admin maintenance of cost & depreciation sheets per asset and at aggregate level

## Contracts, Warranty & AMC

- Contract management for warranty, AMC, SLA, lease and PO with document upload and vendor contacts
- Import contract data (PO, AMC) from Excel/CSV and link to specific assets
- Advance expiry alerts (30/15/7 day) to avoid lapses, cancellations and late fees

## Tagging, QR/Barcode & Mobile Audit

- Asset tagging to a user/owner with unique asset IDs and tags
- Self-generated QR code (and barcode) labelling for both IT and non-IT assets
- Mobile-friendly audit experience that runs from any standard mobile device
- Key-value tagging system enabling tag-based bulk operations across jobs, rules and reports

## Locations, Geo-Tracking & Organisation

- Hierarchical location management (Country > State > City > Site > Building > Floor > Room) with capacity tracking
- Geo-coordinate per asset with interactive map view and geofencing alerts
- Manage geographically distributed assets across branches, zonal and admin offices from one console

## Performance Monitoring & NOC Dashboard

- Real-time CPU, memory, disk and network metrics per endpoint and server with historical charts and avg/min/max/median aggregation
- Under- and over-utilisation detection with threshold alerts (email + in-app)
- Average CPU/memory plus top resource-consuming applications/processes per host (top-25)
- Internet upload/download utilisation per endpoint
- Centralised NOC-style actionable dashboard for alerts, jobs, agents and deployments
- Online/offline visibility with agent-inactivity detection

## Security Posture & Endpoint Device Control

- Security health reporting - Windows Defender / AV state, real-time protection, definition dates, firewall (Domain/Private/Public), BitLocker, Secure Boot, UAC
- Enable/disable USB ports, Bluetooth, DVD/CD, camera, RDP and Remote Assistance via policy
- Group-policy / registry / settings push - Task Manager, Control Panel, Start menu, Run, regedit, CMD, IE restrictions, desktop and network settings
- Grant/revoke file, folder and registry permissions
- Application blocking by device or user group (IFEO by default on every SKU, AppLocker as advanced opt-in)
- Track and report unauthorised Windows versions and non-compliant patch levels
- Track, isolate and remove unwanted or pirated software

## Policy, Compliance & Remediation Engine

- Policy designer with a library of one-click canned organisational policies plus custom policy scripting
- Automatic policy evaluation in real time after data ingest and on a fleet-wide sweep
- Real-time compliance audit reporting - compliance, deviation and action-taken - with automatic enforcement of deviated policies
- Mandatory-software catalog (e.g. AV, DLP presence) with presence-check, violation reporting and auto-install with strict OS match

•	Illegal/pirated-software enforcement - detection, auto-uninstall and opt-in kill-process / block-relaunch
•	Canned remediation library (firewall, Defender, disk, battery, OS, blacklist, print spooler, Windows Update reset, etc.)
•	Compliance-framework-aligned, auditor-ready control set and reporting

## Patch Management

•	Out-of-box patch assessment with no separate scan process to schedule or maintain
•	Patch presence verified by registry inspection, file existence and file-version checks
•	Automated detection and deployment of OS, security, .NET and third-party application patches
•	Patch severity classification (Critical/Important/Moderate/Low) and single-window fix by severity
•	CVE / severity classification on missing patches with description and recommendation
•	Service-pack bundles - group multiple packages/patches into ordered deployments with stop-on-failure and reboot-after options
•	Script-based patching with pre/post-install custom scripts, plus patch rollback
•	Scheduled, on-demand and repeatable patch jobs; zero-touch automation rules with pause/resume
•	Reboot control - schedule, suppress, alert end-users, and force reboot where users defer
•	Centralised single-repository download (no multi-URL whitelisting); built-in Linux APT repository for air-gapped patching
•	Continuous patching on or off the network perimeter, including low-bandwidth / WFH with bandwidth throttling
•	Central patch progress, missing-patch and compliance reporting by device, group, site and organisation
•	Mandatory-application patching, granular environment-based patch filtering, and remediation-SLA enforcement

## Software Deployment & Distribution

•	Wizard-based or fully silent install/uninstall of software with command-line options - no third-party tooling
•	Upload and deploy custom applications across the fleet
•	Targeted deployment by single agent, group, tag or department with one click
•	Deployment-tracking dashboard with progress bars, success/failure counts and per-agent failed-job drill-down with logs
•	Offline / air-gapped deployment via the internal repository

## Remote Operations, Automation & Self-Remediation

•	Cross-platform script execution - PowerShell (Windows) and Bash (Linux) with stdout/stderr capture
•	Start/stop Windows services and processes; shut down or restart single or bulk machines
•	Scheduler for one-time and recurring (cron-style) automation across agent groups
•	Admin remedies catalog + end-user self-remediation portal - multi-step scripts, multi-target dispatch, batch history and live output viewer
•	Direct RDP with file management for on-prem and cloud devices
•	Remote file operations, registry/kernel settings, startup/cron management and system tune-up
•	Audit trail for every script and remote action

## Agent Management & Fleet Operations

•	Multiple agent-deployment methods - installer, scripted, GPO, third-party push and manual download
•	Self-service public download page (no login) serving installer, agent and a config pre-filled with the server address - download and run
•	Self-upgrading agents - publish a new build from the console and agents update automatically on next check-in

•	Backend / IP migration from the console - re-point all or selected agents to a new server URL
•	Detach and re-assign an agent on device/asset swap with full continuity - the person keeps all prior data and the new agent appends seamlessly
•	Agent approval workflow with cooldown, permanent-ignore, decommission and re-approval
•	Static and dynamic agent groups plus tag-based multi-criteria targeting
•	Remote agent uninstall by device or group; move devices across locations and organisations

## Network & Server Monitoring

•	SNMP v1/v2c/v3 device monitoring with encrypted credentials and async polling; auto-registration of network devices as assets
•	Server resource utilisation (CPU/memory/storage) with visual breakdowns and high-usage alerts
•	VM tracking categorised by OS with reporting/non-reporting status
•	Customisable real-time server dashboards, threshold alerts and historical health reporting
•	Scales to large numbers of bare-metal and virtual servers

## Alerting & Notifications

•	Alert-rule engine with email + in-app channels, cooldown periods and per-user quiet hours
•	Threshold, event-occurrence and compliance-deviation alerts
•	Configurable job-summary and patch notifications on a schedule

## Reporting, Analytics & Export

•	No-code Custom Report Builder - pick fields, filters, group-by and chart type across multiple data sources, saved and reusable
•	Downloadable reports in Excel (.xlsx), CSV and PDF; drill-down from report to specific computers
•	Scheduled large batch reports auto-emailed to multiple recipients with archived past output
•	Customisable dashboards, panels and charts (pie/bar/line) without programming
•	Energy & usage analytics by date, node and group
•	REST reporting APIs for fully custom visibility

## Auditing & Governance

•	Full audit log of all user activities with advanced search filters
•	Export all activity to CSV/Excel for reporting
•	Real-time, organisation-wide custom-policy compliance audit with deviation and action-taken tracking

## Integration, API & Extensibility

•	Exposed REST API for integration with external ITSM / IT tooling
•	Integrated Service Desk / Ticketing foundation for incident and service-request management
•	Upgradable to Patch Management, Server Monitoring and Employee Productivity as license-based modules under the same agent

## Communication & Data Security

- TLS 1.2/1.3 encrypted agent-to-server communication with certificate validation
- All browser-to-console traffic over HTTPS
- Encrypted storage of sensitive credentials (SNMP, directory bind, etc.)
- Single agent traffic exposable via DMZ for external client/server connectivity
- Account-level security and granular access rights

## Cross-Platform Integration - Employee Productivity (separate module)

- Application and URL usage monitoring on endpoints via the Employee Productivity module (shared agent family)
- Automatic email alerts to designated managers when users access prohibited applications or websites
- Shared, directory-synced identity and SSO so asset-to-employee mapping and assigned-asset visibility stay consistent across Asset Management and Employee Productivity

*Total capabilities listed: 146 | Categories: 25*

# InfraProTrack - Employee Productivity Feature & Compliance Set

Employee Productivity scope. All capabilities below are supported / on offer.

## Platform, Architecture & Deployment

- 100% web-based management console - managers and administrators work from any standard browser; nothing to install on the operator machine
- Fully standalone product - operates as a complete employee-productivity solution with no dependency on any other module to run
- On-premises deployment with no dependency on internet connectivity for core operation
- Lightweight endpoint agent with asynchronous, batched event upload so the server scales cleanly as the monitored fleet grows
- Configurable agent check-in interval, heartbeat and event-batch sizing
- Monitors endpoints whether on-network, on VPN or remote / work-from-home
- Modern FastAPI + MySQL backend with a React web console, owned and supported end-to-end
- Onboarding of a new endpoint in minutes - download, run, approve

## Cross-Platform Endpoint Agent

- Windows endpoint agent (Windows 10 / 11 and Windows Server) - production
- Single self-contained agent executable that installs and runs as a Windows service with auto-start
- Coexists cleanly with antivirus, DLP and endpoint-protection clients
- Linux endpoint agent
- macOS endpoint agent

## Web Console, Access Control & Authentication

- Role-based access control - Administrator / Manager / Employee with data visibility scoped to each role
- Manager span-of-control scoping - a manager sees only their own reporting subtree
- Dedicated employee self-view dashboard
- Single Sign-On (SSO) federation with shared-secret trust and automatic role mapping
- Active Directory / LDAP bind authentication with local-password-first fallback (the in-app password is app-local and is never written back to AD)
- JWT-based session security
- Two-factor authentication (email OTP)

## Directory Integration & Identity (Active Directory / LDAP)

- Built-in standalone AD / LDAP engine - connects to Active Directory without requiring any schema extension
- Operates fully even when devices are NOT domain-joined - directory integration is optional, not mandatory
- Two-pass directory sync that rebuilds the full manager / reporting hierarchy from AD
- Maps AD attributes to employee records - department, designation / title, employee ID, phone and email
- Configurable default role, auto-sync interval, test-connection and group preview before syncing
- Periodic automatic re-sync with deactivate-on-removal (users removed from AD are retired automatically)
- Directory bind password encrypted at rest

- Duplicate-identity protection - merges on email, directory DN and employee code so one person is never twinned

## Agent Onboarding & Fleet Management

- Self-service public download page (no login) serving the installer, agent and a config pre-filled with the server address - download and run
- Agent registration with an admin approval workflow (approve / reject / revoke)
- Network-restricted registration - only approved registration networks may enrol agents
- Onboard a pending agent either by entering employee details manually OR by linking it to an existing directory / AD user
- Self-upgrading agents - publish a new build from the console and agents update themselves on next check-in
- Backend / IP migration from the console - re-point all or selected agents to a new server URL with no manual touch on each machine
- Agents periodically reload local configuration and apply server-side changes automatically
- Detach and re-assign an agent on device / asset swap with full continuity - the person keeps all prior data and the new agent appends seamlessly
- Monitoring gate - a detached or unassigned agent automatically pauses capture until it is re-assigned
- Per-agent heartbeat with online / offline and last-seen visibility
- Packaged installer that auto-creates the install path and registers the service end-to-end

## Activity, Login & Idle Tracking

- Login / logout session capture per employee
- Active-time versus idle-time duration tracking
- Idle-break detection with an on-screen idle-reason prompt - the employee submits a reason for idle time
- Manager review of idle breaks with reason metadata
- Recent login / logout session-events feed
- Shift-aware activity splits

## Application & Website Usage Monitoring

- Foreground application usage capture with per-application durations
- Browser URL and domain usage capture
- Files-opened tracking with per-file aggregates
- Top applications and top domains across all visible users
- Detailed application-activity and browser-activity session drill-down

## Productivity Classification & Rules Engine

- Productive / Unproductive / Prohibited classification rules for applications and websites
- Create, update and delete classification rules from the console
- Retroactive reclassification - re-apply rules across a historical date range
- Prohibited-usage detection and alerting

## Productivity Index & Scoring

- Per-employee daily productivity score
- Productivity-index summary with team and department averages
- Recalculate / recompute the productivity index for a chosen date or set of users
- Daily and hourly productivity trend with shift-aware splits

## Screenshots & Visual Audit

- Adaptive screenshots - capture is triggered automatically when an employee's productivity falls below a configurable threshold
- Screenshot storage, gallery and review in the console

## Team, Hierarchy & Organisation View

- Scoped 'My Team' organisation tree - searchable org chart showing name, designation and reporting line
- Span-of-control scoping with locked (out-of-scope) nodes for people outside the viewer's reach
- Per-person drill-down (productivity and assigned assets) within the viewer's scope
- 'Agent not installed' handling - directory data is shown with a clear note that no productivity insight is available

## Projects, Shifts & Workforce Structure

- Projects with live productivity roll-ups
- Project-task assignment, update and tracking
- Reusable shift blocks - create, update and delete
- Custom groups with group-wise productivity reporting
- Project and manager drill-down dashboards

## Dashboards & Visibility

- Administrator org-wide dashboard
- Manager-scoped dashboard limited to the manager's subtree
- Employee self-view dashboard
- Productivity roll-up by employee, manager, department or project
- Light / dark theme-aware console

## Reporting, Analytics & Export

- Manager -> project -> employee productivity report
- Employee-comprehensive productivity report
- Timezone-optimised productivity report
- Excel (.xlsx) report export
- Activity-detail and activity-rollup analytics APIs
- CSV and PDF report export
- Scheduled batch reports auto-emailed to multiple recipients
- No-code custom report builder

## Alerting & Notifications

- Automatic email alert to the designated manager on prohibited application / website access
- Prohibited-usage alert records with de-duplication and occurrence counting
- In-app prohibited-usage alerting
- Configurable threshold and scheduled-summary notifications

## Employee Lifecycle & History

- Full employee directory with create, update and detailed profile views
- Field-level employee change history
- Offboarding (mark as left organisation) and reinstatement
- Employment-status tracking
- Link / detach agents with an audited history trail

## Security & Data Protection

- Per-agent authentication using a token-id, token and security-key scheme
- Encrypted storage of sensitive credentials (directory bind password)
- HTTPS browser-to-console and TLS agent-to-server communication (deployment-configured)
- Productivity data keyed to the person - not the device - so it stays continuous across device swaps
- Audit trail and change history across employee and agent operations

*Total capabilities listed: 96 | Categories: 17*