



uniportal

Unified Workforce Management Platform —
Everything your business needs in one place.

12+

INTEGRATED MODULES

100%

SELF-HOSTED & SECURE

Multi

COMPANY & TENANT

Uniportal is a comprehensive, self-hosted workforce management platform that brings together HR, Leave, Attendance, GPS Tracking, Chat, File Management, AI Document Analysis, Travel Claims, Timesheets, and IT Support into a single unified portal. Built for multi-company environments with full role-based access control and complete portal customisation.

Multi-Company Architecture

Run multiple companies on a single platform instance. Each company gets its own module configuration, branding, and employee base.

Role-Based Access

Super Admin, Company Admin, IT Admin, and Employee roles with granular per-module permission control.

Self-Hosted & Secure

Deploy on your own infrastructure. Your data stays on your servers. No cloud dependency or third-party data exposure.

Full Portal Branding

Complete theming engine — customise navbar, buttons, backgrounds, cards, and login pages with your brand colours and logo.

Desktop Notifications

Real-time desktop notification agent (NotifyApp) keeps employees informed of approvals, messages, and status changes.

Modular Design

Enable only the modules each company needs. Scale from basic HR to full enterprise without paying for unused features.

Microservice Architecture



All modules communicate via REST APIs with centralised PostgreSQL database



Human Resources Module

The central employee data authority. Full lifecycle management from hire to termination, with South African labour law compliance built in. Syncs employee data to all dependent modules automatically.

- ✓ Complete employee lifecycle (hire, update, terminate, reactivate)
- ✓ Bio ID, personal info, salary, bank & tax details
- ✓ Department management with hierarchical structures
- ✓ Industry sector and position catalogue
- ✓ Leave allocation per employee (annual, sick, personal, family, maternity, paternity, study, compassionate, unpaid)
- ✓ Sick leave 3-year cycle tracking (BCEA compliant)
- ✓ Annual leave accrual system (configurable monthly increments)
- ✓ Company working hours schedule with per-employee overrides
- ✓ Approval chain overrides per employee
- ✓ Employee change history and audit trail
- ✓ Automatic data sync to all connected modules
- ✓ CSV export of employee data
- ✓ Confirmation dialogs for critical settings changes
- ✓ Leave type toggle settings per company



Leave Management Module

A complete leave application and approval workflow engine supporting multiple countries, with hierarchy-based approval chains, balance tracking, and comprehensive application templates.

- ✓ Multi-country support (South Africa, United States)
- ✓ 10+ leave types with configurable form templates
- ✓ Organisational hierarchy with drag-and-drop management
- ✓ Multi-level approval workflows (configurable by leave type)
- ✓ Employee cloning — one person under multiple managers
- ✓ Automatic leave balance deduction on approval
- ✓ Negative balance warnings for managers
- ✓ Company admin override approvals
- ✓ Partial-day and time-off requests
- ✓ Weekend and holiday validation
- ✓ Overlap detection for conflicting leave dates
- ✓ Monthly leave snapshot dashboard
- ✓ Application history for employees and managers
- ✓ Application cancellation support



Attendance Tracker

Integrates directly with biometric devices (fingerprint/face readers) for automated attendance capture. Real-time sync, comprehensive reporting, and manual override capabilities for administrators.

- ✓ Multi-device biometric integration (Front Door, Back Door)
- ✓ Real-time device sync (live + historical modes)
- ✓ Daily records: check-in, check-out, hours calculated
- ✓ Visual attendance calendar per employee
- ✓ Department-based reporting and filtering
- ✓ Date range reports with export
- ✓ Absence tracking with configurable reason codes
- ✓ Manual attendance editing by admin with audit trail
- ✓ Sync progress monitoring
- ✓ Power failure recovery
- ✓ GPS integration — offsite check-ins update attendance
- ✓ Employee self-service view via portal dashboard



GPS Tracker

Email-based GPS check-in system for field workers. Parses location data from mobile device emails, matches against geofence zones, and automatically updates attendance records.

- ✓ Email-based GPS data ingestion from mobile app
- ✓ Geofence zone management (create, edit, radius-based)
- ✓ Primary zone designation (office vs. client sites)
- ✓ Automatic attendance updates from GPS check-ins
- ✓ Multi-company zone support
- ✓ Matched/Unmatched check-in tracking and alerts
- ✓ Duplicate GPS data prevention
- ✓ Background email polling (configurable interval)
- ✓ Zone-based Present/Offsite determination
- ✓ Admin configuration interface
- ✓ Force sync capability for catch-up
- ✓ OSRM route integration for distance calculation



Enterprise Chat (djiChat)

A hierarchy-aware internal messaging system with real-time WebSocket communication. Employees see only the contacts relevant to their position in the organisational structure.

- ✓ Real-time messaging via WebSocket
- ✓ Hierarchy-based contact lists (see who you should)
- ✓ Permission types: manager, subordinate, peer, cross-department
- ✓ Direct messages and group channels
- ✓ Project groups (ad-hoc team channels)
- ✓ File sharing integrated with File Access module
- ✓ Message read status and unread counts
- ✓ Message editing, deletion, and reply threading
- ✓ User status (online, offline, away, busy)
- ✓ Chat archive system with pagination
- ✓ Emote pack support
- ✓ Performance-optimised caching and batching



File Access Module

Hierarchical file management with granular access control. Company-specific file storage with 4-level permission hierarchy ensuring sensitive documents stay protected.

- ✓ Company-specific configurable storage paths
- ✓ 4-level access hierarchy (Admin → Manager → Supervisor → Employee)
- ✓ Per-folder access rules (read/write/delete by level)
- ✓ Large file support up to 5GB
- ✓ 60+ supported file types
- ✓ File access audit logging (who, what, when)
- ✓ File browser with upload and download
- ✓ Chat integration for file sharing
- ✓ Folder creation and management
- ✓ HR sync for hierarchy-based permissions
- ✓ Global and per-company settings
- ✓ Drag-and-drop hierarchy management UI



AI Document Analysis

AI-powered document analysis using locally-hosted language models. Upload documents, ask questions in natural language, and get intelligent answers — all processed on your own hardware with no data leaving your premises.

- ✓ Document upload (PDF, DOCX, XLSX, TXT — 50MB max)
- ✓ Natural language querying of documents
- ✓ AI-generated summaries and categorisation
- ✓ TF-IDF indexing and relevance scoring
- ✓ Local AI processing (LM Studio — DeepSeek/Mistral)
- ✓ Company-scoped document libraries
- ✓ Query caching (30-day retention)
- ✓ Keyword extraction and metadata tracking
- ✓ Zero data exposure — everything stays on-premises
- ✓ GPU acceleration monitoring



Travel Claims

GPS-based travel expense claims with automatic distance calculation and hierarchical approval workflows. Integrates with GPS tracking data for verified route distances.

- ✓ GPS route-based distance calculation
- ✓ Configurable km rate per company
- ✓ Multi-level approval workflow from hierarchy
- ✓ Travel day discovery from GPS data (90-day window)
- ✓ Claim reference numbers and duplicate prevention
- ✓ Manager pending claims queue
- ✓ Company-wide claims reporting with filtering
- ✓ Approval/rejection with comments



Timesheets

Professional services time tracking for client billing. Track billable and non-billable hours by client company with submission workflows.

- ✓ Client company management
- ✓ Daily timesheet entries (hours, task type, description)
- ✓ Billable vs. non-billable tracking
- ✓ Submission workflow (draft → submitted → approved)
- ✓ Summary reports per client
- ✓ Date range filtering and export



NotifyApp (Desktop Agent)

A lightweight Windows desktop application that sits in the system tray and delivers real-time popup notifications for leave approvals, chat messages, and status updates. One-click navigation to the relevant portal page.

- ✓ System tray application — minimal footprint
- ✓ Click-to-open browser navigation to relevant page
- ✓ Notification history and rate limiting
- ✓ Encrypted communication
- ✓ Styled popup notifications with module-specific colours
- ✓ Adaptive polling with configurable intervals
- ✓ Admin-protected first-run setup
- ✓ Portable .exe deployment (no install required)



IT Support Tickets

Internal helpdesk ticketing with priority levels, categories, tech assignment, and full resolution tracking. Employees raise tickets, support techs manage and resolve them.

- ✓ Ticket creation with categories and priority levels
- ✓ Support tech assignment and claim system
- ✓ Threaded responses and comments
- ✓ Dashboard statistics and resolution time tracking
- ✓ Status workflow: open → in progress → resolved → closed
- ✓ Ticket reassignment with history tracking
- ✓ Unread notification badges
- ✓ Role-based access (employee, tech, admin views)



Portal Customisation & Branding

Full visual theming of the entire platform. Customise every colour, add your logo, and make Uniportal look like your own branded product.

- ✓ Navbar, button, card, background, and sidebar colours
- ✓ Company logo upload and favicon
- ✓ Reset to defaults capability
- ✓ Company announcements and memos system
- ✓ Login page gradient customisation
- ✓ Live preview while editing
- ✓ Theme cascades to ALL pages and modals
- ✓ Session management with auto-logout



Total Data Control

Self-hosted on your infrastructure.
No cloud subscriptions, no third-party access to your employee data.
Full POPIA compliance.



One-Time Investment

No per-user monthly fees. No feature tiers. Pay once, use forever.
Add as many companies and employees as you need.



Fully Modular

Enable only what each company needs. Start with HR and Leave, add modules as you grow. No bloat, no wasted features.

ZA

SA Labour Law Ready

BCEA-compliant sick leave cycles, annual leave accrual, family responsibility leave, and all statutory leave types built in.



AI On-Premises

Document analysis powered by local AI. No data sent to OpenAI or external services. Your documents stay private.



Desktop + Web

Web portal for daily use, desktop NotifyApp for real-time alerts. Employees stay informed without checking email constantly.



On-Premises Deployment

Install on your Windows server. Runs on standard hardware. PostgreSQL database, Python backend, no complex infrastructure needed. Control panel for managing all services.



Portable Deployment

Package as a portable installation — run from USB or network share. Includes all dependencies. Perfect for demo environments or distributed offices.

Ready to Unify Your Workforce Management?

Replace scattered spreadsheets, disconnected tools, and expensive subscriptions with one integrated platform that you own and control.

Contact us for a demonstration or deployment consultation.

Uniportal — Built for South African businesses. Scalable for any organisation.