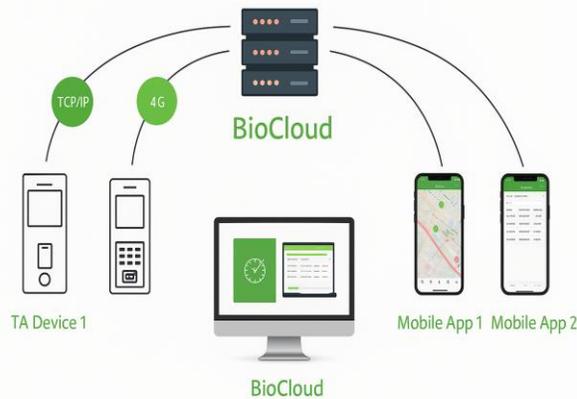# BioCloud

Web-Based Multi Location Time and Attendance Management

System Architecture

- Scales up to 500 devices per server
- Multi-admin access & employee self-service portals
- Works with flexible database environments
- Built-in API support for seamless integration

Bicloud Solution

- Multi-location web-based Time and Attendance system
- Automatic Employee synchronization based on Area
- Full device control (upload/download users, time zone setup)
- Daily & Summary reports: time periods, overtime, lateness
- MS SQL Server Database connection
- HTTPS support
- Multi-language support (English, French, Arabic)

BioCloud is a light web based time attendance software to manage hundreds or ZKteco time and attendance devices. It generates attendance reports and send notifications on exceptions to HR manager. (available in yearly subscription).

BioCloud Features

👤 Personnel & Employees
Sort by department or area. Includes photo capture & remote registration.

🕐 Time Tables
Normal, flexible, and auto schedules with cross-day check-in/out support.

📅 🛠️ Shifts Setup
Daily, weekly, or monthly scheduling. Assign shifts to specific employees.

📡 Devices Dashboard
Monitor real-time status, sync data, and control devices remotely.

📊 Transaction Reports
Easily track employee attendance with advanced report types including First-In/Last-Out and Multi In-Out.
Filter by ID, name, department, or device, and export reports to Excel or CSV.

📆 Scheduled Reports
Create scheduled reports tailored to employee shifts and time tables. Deliver daily, summary, or monthly attendance data automatically—no manual effort required.

📍 Fence Features
Set employee/device coordinates and tolerance range with Google Maps support.

🔐 Single Sign-On
Enabled through Microsoft Entra ID for secure access control.

🪪 Visitor Management System
Automatic reading of visitor Emirates ID (optional feature).

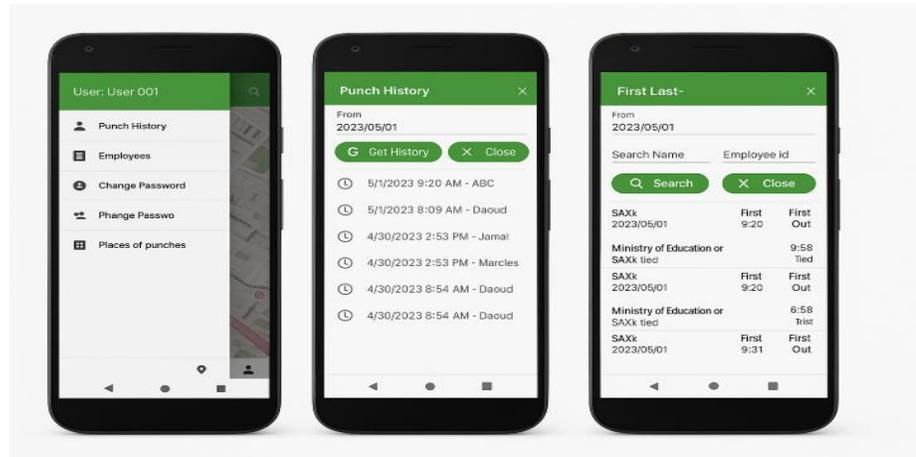### 🚨 Supports Occupational Safety and Health Compliance
BioCloud helps organizations meet safety obligations by ensuring accurate employee headcounts during emergencies, in line with OSHA and ISO 45001 standards.

Flexible Configuration

- Set rules for late, OT, early leave, & missed punches
- Define weekends, day shifts & flexible off days
- Enable auto-calculate & auto-send email reports
- Multi-user login with role-based access

BioCloud

Email Settings

Auto-calculate & send scheduled reports in real time

- No manual trigger needed — fully automated
- Instant alerts for late, absent, or early check-outs
- Custom email templates for staff & supervisors

Integration

- Seamless API connectivity with third-party platforms
- Real-time custom API services — no polling needed
- Works with SAP, Odoo, Zoho, ZingHR, and more
- Verified device response via trusted API

BioCloud Mobile Application

📲 Smart BioCloud APP Features

- 🧠 **Face Recognition**
  Users can securely check in and out using facial recognition via the mobile app.

- 📍 **Geo-Fence Based Check-In**
  User attendance is based on location fencing and setup—with optional photo capture on check-in/out.

- 🖥 **Admin Dashboard**
  Administrators can view, filter, and export detailed attendance reports.

- 🌐 **Real-Time Geo Attendance**
  Monitor live attendance with exact geographic location data.

- 📶 **Wi-Fi Auto Punch (Optional)**
  Automatically logs check-ins when users connect to the company's Wi-Fi—no manual action needed.

BioCloud Software Specifications

Specification	Details
System Architecture	Web-based software
Suggested Devices	Standalone devices with Attendance PUSH & Green Label Series
Authentication Options	Fingerprint / Face / Palm / RFID / Password
Max. Supported Devices	500 devices in a single server (contact us for capacity expansion)
Database	MSSQL Server 2017/2019
Supported OS	Windows Server (64-bit only), Windows Server 2016/2019/2022, Windows 8/8.1/10/11
Suggested Browsers	Chrome 33+, IE 11+, Firefox 27+

BioCloud Minimum Server Hardware

Component	Requirement
CPU	Dual Core Processor with speed of 2.4GHz or faster
RAM	4GB RAM available or above
Storage	100GB available space or above (Recommend NTFS partition)
Display Resolution	1024*768 or above