

API Integration Request & Documentation – Maintenance App Project

Dear Technical Team,

After reviewing the current system workflow, we observed that the data availability follows this hierarchy:

(Search Client \$\rightarrow\$ List Attached Machines \$\rightarrow\$ Machine Visit History \$\rightarrow\$ Visit Details).

To integrate this logic into our new application and facilitate local database synchronization, we kindly request the following:

1. API Documentation (Swagger / Postman):

Since the logic is already implemented on your side, please provide the API documentation (Swagger or Postman Collection) that reveals the existing Request/Response models and JSON fields for the screens mentioned above. This is crucial for us to map the data fields correctly.

2. Required Endpoints:

We need programmatic access to the existing logic, with one critical addition for performance optimization:

- **A) Full Customer Hierarchy Endpoint (Critical for Sync):**
 - Retrieving visits per machine individually creates a performance bottleneck during data synchronization (N+1 problem).
 - We require a **Composite Endpoint** that accepts a `ClientId` and returns the complete data tree: **(Customer Profile + All Attached Machines + All Visits for these machines)** in a single nested JSON response.
- **B) Granular Access APIs (Mirroring Current Workflow):**
 - Search Client API.
 - Get Machines by Client API.
 - Get Visit Details API.

3. Technical Specs:

- Please confirm the Date/Time format used (ISO 8601 is preferred).
- Our environment is **.NET 8**; please notify us of any non-standard serialization formats used in your existing APIs.

Best Regards,