

# API Endpoint Documentation: Client Data Update

This documentation outlines the API endpoint responsible for updating client data in the database. The endpoint processes incoming JSON data containing information about client software installations and updates.

## Request Parameters

- Method: POST
- Content Type: application/json
- Headers:
  - Authorization: API\_KEY (Required)

## Request Body

The request body should contain a JSON array of objects, each representing a client software installation or update. Each object must contain the following fields:

computer\_name (string, required): The name of the computer where the software is installed.

ip\_address (string, optional): The IP address of the computer.

program (string, required): The name of the program/software.

version (string, required): The version of the program/software.

Example Request Body:

```
[
  {
    "computer_name": "Client1",
    "ip_address": "192.168.1.100",
    "program": "Example Program",
    "version": "1.0"
  },
  {
    "computer_name": "Client2",
    "program": "Another Software",
    "version": "2.5"
  }
]
```

## Response

The API responds with a JSON object containing a status and a message:

- **status:** Indicates the status of the request. Possible values are:
  - **success:** All records were successfully updated.
  - **partial\_success:** Some records were updated successfully, while others encountered errors.
  - **error:** An error occurred during the processing of the request.
- **message:** Provides additional information about the status of the request.

Example Response:

```
{  
  "status": "success",  
  "message": "2 records updated successfully"  
}
```

## Error Responses

If an error occurs during the processing of the request, the API responds with an appropriate error message and status code.

- **400 Bad Request:** If the request body is not valid JSON.
- **401 Unauthorized:** If the API key is missing or invalid.
- **500 Internal Server Error:** If there is an internal server error, such as a database connection issue or SQL query error.

## API Key

To authenticate requests, include the API key in the Authorization header. API Key is Unique for each Company to identify who is pushing the data to API endpoint.

Please ensure that the request body adheres to the specified format and include the API key in the request header for authentication.