# Tracking api’s

## TrackingMore

<https://www.trackingmore.com/api-nodejs.html>

This appears to be providing tracking information for many vendors.

# Connection info

* Staging DB
  + **Server**: wsazdbtst01.database.windows.net
  + **Username**: wscadmin
  + **Password**: d<RnJ6e[D9N3{XPk
* Shipping Agent Logins – Please look in the following methods @ Wineshipping.IT.PackageTracking\PackageTracker\Module1.vb – all accounts details are hard coded
  + CreateFedExTrackRequest
  + ProcessGSO
  + ProcessUps
* Production DB
  + Server: tcp:wsazdb01.database.windows.net
  + Username: wsportaladmin
  + Password: rC8pzP(D4Ksb\_nX#

# Plan

1. **Task in Azure end**:
   1. Create an Azure Job.
   2. Create an Azure scheduler to run the job.
   3. Create an Azure function using Node.js .
   4. Make azure job  / scheduler to use Azure function

1. **Steps  to create demo application**:
2. SQL Connection using Node.js
3. Create 50000+ record in database table.
4. Create source json using above created record in node.js.
5. Iterate trough the source json and make asynchronous API call.
6. Create node server mimicking the API's
7. Use Promise API packages like q / axios to make http calls to node server.
8. In Q.All create a target json.
9. Iterate through it and update the database.

1. **Deployment steps**:
   1. Need to check how to deploy the application and schedule it properly.

1. **Business Logic:**
2. Explore business logic
3. Get login info of database
4. Get api and login info of different Shipping Agents  from Sandip

# Scope of project

## Requirement gathering

* Examine and evaluate working of existing **PackageTracker** and **TrackPackageThread** application
* Understand expectations / enhancements / alterations and limitations of above existing application
* Understand current deployment strategies of existing application in Azure space
* Understand well defined purpose of new application
* Meetings with client to ascertain above
* Prepare concrete statement of purpose and milestones

## What contains in scope

* Functionality provided by **PackageTracker** and **TrackPackageThread** codebases

## What does not contain in scope

* Functionality provided by **ImportPackage** codebase or any other associated package

## Architecture and design

* Identify technology stack and do necessary research
* Freeze libraries
* Define complete flow of control
* Define databases and interactions with databases

## Initiation

* Obtain credentials for dev team
* Setup dev and staging environment
* Create prototypes and code snippets

## Implementation

* Dev completion

## QA

* Create test scripts
* Do testing
* Debug the code and fix issues

## Deployment

* Deployment at Azure

## Wrap up

* Brief documentation
* Fix up last minute issues