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| APMT TERMPoint Design Document  Web API Service for Mobile App |
|  |
| Date: 8/07/2019  V1.0 |

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# Document Control

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| --- | --- | --- |
| Date | Version | Detail |
| 08/07/2019 | Draft 0.1 | Initial version. |
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| Document Owner | | |
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| 08/07/2019 | Natan Gelman –  Advent Solution Architect |  |

# Design Approval

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| --- | --- | --- |
| Approval – Project Control Group | | |
| Approval Date | Name – Position | Signature |
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# About Project

* APMT requests the creation of API’s to view and update appointment data for the new APMT TERMPoint mobile application.

# Conventions

* The web API being developed by Advent Intermodal Solutions is named **TERMPoint Mobile Web API**.

# Assumptions

* For interaction between Mobile App and the TERMPoint Mobile Web API, it is expected to use JSON format as a form of communication.
* JSON Web Token (JWT) will be used as security authorization mechanism, which will include access and refresh token. Refresh token will be used to obtain new access token when original access token expires.
* When Date/Time will be included as part of the JSON, it will be passed in JSON string ISO 8601 (yyyy-mm-ddThh:mm:ss) format

# Architecture

## Technologies Used

### Front-end (Presentation) The TERMPoint Mobile Web API will be built using .NET Core 2.2. Web API provides a REST service that works intuitively with HTTPS to allow the caller (consumer) to specify the format of the response (output data). When calling this web API service, consuming mobile applications will specify (through the HTTPS header) what response format they accept (i.e., JSON or XML). It is important that JSON be fully supported as it has become the standard for new development, being well suited for HTML5, JavaScript libraries, mobile application frameworks, etc.

### Middle-tier (Business) The TERMPoint Mobile Web API will pull data via existing middle-tier libraries currently supporting TERMPoint web site application. Some of the existing methods will be extended, and new methods will be added.

### **Back-end (Database)**

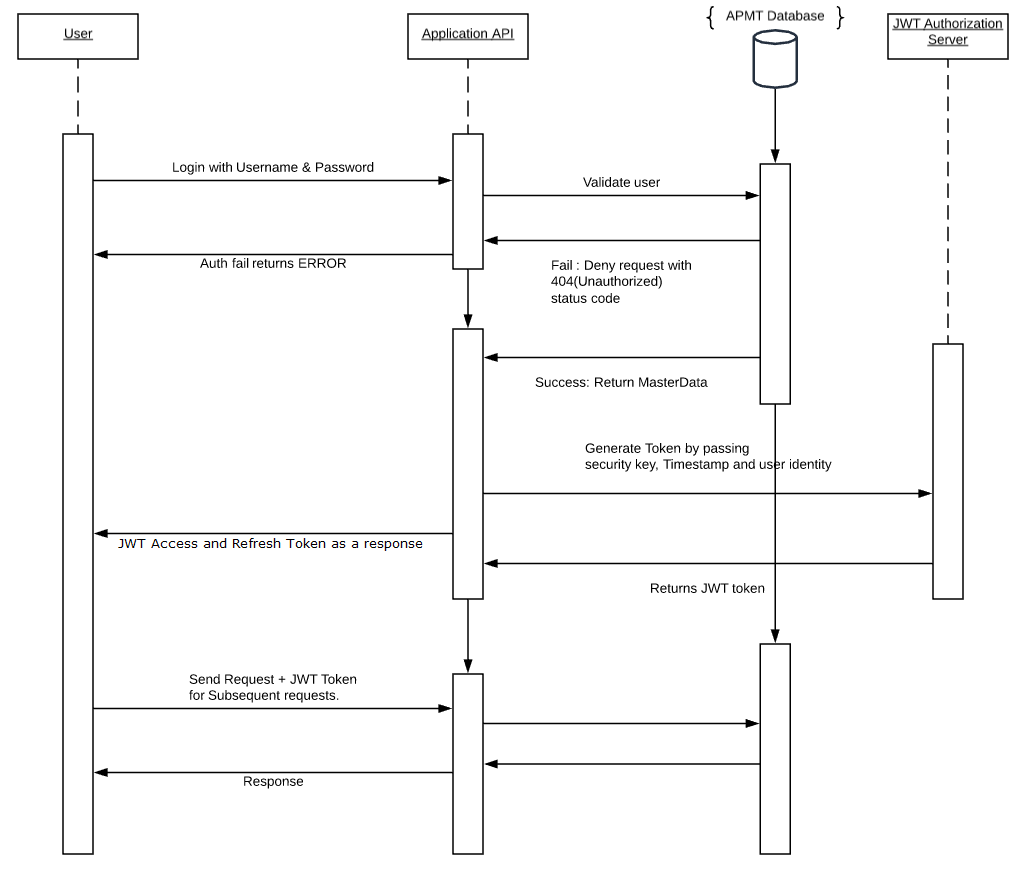
The TERMPoint Mobile Web API will pull data from the existing SQL Server 2014 database that support current TERMPoint solutions, strictly via the existing middle-tier Windows services. A mix of new code, existing code and extended existing code will be employed.

## Hosting

It is expected that this Web API service will be hosted under a new URL with new IP address on the TERMPoint Web Server within internal DMZ. External DMZ NetScaler will be configured to route the call to TERMPoint Web Server based on the new URL.

## Security and Authorization

The TERMPoint Mobile Web API will implement JSON Web Token (JWT) to insure secure communication between TERMPoint Mobile application and TERMPoint Web API. JWT is an open standard (RFC 7519) that defines a compact and self-contained way for securely transmitting information between parties as a JSON object. This information can be verified and trusted because it is digitally signed. Once the user is logged in and verified, JSON Web Access Token will be generated and returned. Each subsequent request will include the JWT, allowing the user to access routes, services, and resources that are permitted with that token. To enhance security and keep access token short lived, JSON Web refresh token will be introduced. A JWT refresh token is a special token that is used to generate additional access token. This will allow user to continue using the application without collecting credentials every time access token is expires. Below sequence diagram will explain the authorization process and subsequent data flow:



## AES Encryption Implementation

TERMPoint Mobile .Net Core API contains the implementation of **256-bit AES encryption** which works on all the platforms (Windows, IOS & Android)

The Advanced Encryption Standard, or AES, is a symmetric [block cipher](https://searchsecurity.techtarget.com/definition/block-cipher) chosen by the U.S. government to protect classified information and is implemented in software and hardware throughout the world to encrypt sensitive data. [**Rijndael**](https://searchsecurity.techtarget.com/definition/Rijndael), a symmetric key algorithm design was used in our encryption implementation which is one of the most powerful forms of encryption in the world.

Read more about it in article <https://searchsecurity.techtarget.com/definition/Advanced-Encryption-Standard>

**Features:**

1. Cross platform support. Encryption-Decryption works across C#, iOS, Android and Node.js.
2. Support for Random IV (initialization vector) for encryption and decryption. Randomization is crucial for encryption schemes to achieve semantic security, a property whereby repeated usage of the scheme under the same key does not allow an attacker to infer relationships between segments of the encrypted message.
3. Support for SHA-256 for hashing the key. Never use plain text as encryption key. Always hash the plain text key and then use for encryption. AES permits the use of 256-bit keys. Breaking a symmetric 256-bit key by brute force requires 2^128 times more computational power than a 128-bit key. A device that could check a billion (10^18) AES keys per second would in theory require about 3×10^51 years to exhaust the 256-bit key space.

**How to encrypt a string:**

Mobile App team must perform following steps:

1. Generate Random IV using randomIV generator function.
2. Select a secret key and hash it using SHA-256 hash function.
3. Encrypt your string using the hashed key and random IV.

**How to decrypt a string:**

API team must perform following steps:

1. Get the encrypted text and the randomIV used for encryption
2. Decrypt the string using the provided decrypt function!

**Configuration:**

"Encryption": {

    "SecretKey": "APMT TERMPoint Mobile Security Key HashCode = 8191",

    "SecretKeySize": 32,

    "RandomIVMatrixSize": 16

}

Check below for code samples on how to encrypt/decrypt plain text as explained above

<https://github.com/RaviBabu-coder/AES-Encryption>

## Response Format

As with all HTTPS calls, the consumer specifies the format they accept, such as XML or JSON, via the Content-Type HTTPS header, i.e., for JSON, the header might be Content-Type “application/json; charset=utf-8”

# API Methods Summary

## Login Method Details

|  |  |
| --- | --- |
| Request URL | {BaseURL}/api/Login/Authenticate |
| Request Method Type | HTTPS Post |
| Request Headers | * **Content-Type :** application/json; charset=UTF-8 * **Culture:** en/es/it |
| Requirement Details | The log in screen for the TERMPoint system is where the user may enter in a username and  password to access the system |
| Request Parameters | |  |  |  |  | | --- | --- | --- | --- | | Name | Required | Data Type | Expected value | | Login\_Nm | yes | string | mobtrucker | | Login\_Pwd | yes | string | advent11 | | Random\_IV | yes | string | 4yXlRBcyI5WXCAqd | |
| Request Prototype | {  “Login\_Nm”: “mobtrucker”,  “Login\_Pwd”: “4otc8TqFXzl4FGcPmD/+Tg==”,  “Random\_IV”: “4yXlRBcyI5WXCAqd”  } |
| Response Details | |  |  |  |  | | --- | --- | --- | --- | | **WebFunctions** | | | | | **Field Name** | **Column Name** | **Data Type** | **Sample expected value** | | WebFunction\_Id |  | Number | 110 | | WebFunction\_Nm |  | String | “TruckerMyAppointmentsLanding” | | WebFunction\_Dsc |  | String | “My Appointments” | | WebFunctionCaption |  | String | “My Appointments” | | Status\_Cd |  | String | “A” | |  |  |  |  | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  |  |  |  | | --- | --- | --- | --- | | **User** | | | | | **Field Name** | **Column Name** | **Data Type** | **Sample expected value** | | User\_Id |  | Number | 179 | | Login\_Nm |  | String | “mobtrucker” | | First\_Nm |  | String | “Ravibabu” | | Last\_Nm |  | String | “Kattamuri” | | Email\_Addr |  | String | “rkattamuri@adventintermodal.com” | | Telephone\_Num |  | String | “908 795-3217” | | ResetPwdOnNextLogin\_Flg |  | String | “N” | | Company\_Id |  | Number | 147 | | Company\_Nm |  | String | “BALDWIN TRANSFER COMPANY INC”, | | Addr\_1 |  | String | “113 Bond Drive” | | City\_Nm |  | String | “Morganville” | | State\_Cd |  | String | “NJ” | | Postal\_Cd |  | String | “07751” | | Country\_Nm |  | String | “UNITED STATES” | | CompanyType\_Cd |  | String | “T” | | Facility\_Id |  | Number | 12 | | MTO\_Cd |  | String | “APMMB” | | MTO\_Nm |  | String | “APM Terminals Mobile, Alabama” | | IsTruckDriver |  | String | “Y” | | Plate\_Nbr |  | String | “1088650” | | Disabled\_Flg |  | String | “N” | |
| Response Prototype | {  "status": {  "StatusCode": 200,  "ReasonPhrase": "OK"  },  "responseBody": {  "ResponseData": {  "AccessToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bmlxdWVfbmFtZSI6Im1vYnRydWNrZXIiLCJuYmYiOjE1NzM2NDA5NTEsImV4cCI6MTU4NDAwODk1MSwiaWF0IjoxNTczNjQwOTUxLCJpc3MiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAiLCJhdWQiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAifQ.ZogMTA3\_GbPoz9uvSc2VYyZHBvZEiLmKzAw4ejS-ITY",  "RefreshToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bmlxdWVfbmFtZSI6Im1vYnRydWNrZXI6MTEvMTMvMjAxOSAzOjU5OjExIFBNIiwibmJmIjoxNTczNjQwOTUxLCJleHAiOjE1ODQwMDg5NTEsImlhdCI6MTU3MzY0MDk1MSwiaXNzIjoiaHR0cDovL2xvY2FsaG9zdDozMDAwIiwiYXVkIjoiaHR0cDovL2xvY2FsaG9zdDozMDAwIn0.lvJfJtGFj9g\_q3kWN7vmAqBX5jhDvX0Gxjpm2Ns515I",  "WebFunctions": [  {  "WebFunction\_Id": 110,  "WebFunction\_Nm": "TruckerMyAppointmentsLanding",  "WebFunction\_Dsc": "My Appointments",  "WebFunctionCaption": "My Appointments",  "Status\_Cd": "A"  },  {  "WebFunction\_Id": 111,  "WebFunction\_Nm": "TruckerMyAppointmentsAdd",  "WebFunction\_Dsc": "Add My Appointments",  "WebFunctionCaption": "Add My Appointments",  "Status\_Cd": "I"  },  {  "WebFunction\_Id": 112,  "WebFunction\_Nm": "TruckerMyAppointmentsUpdate",  "WebFunction\_Dsc": "Manage Appointments",  "WebFunctionCaption": "Manage Appointments",  "Status\_Cd": "A"  },  {  "WebFunction\_Id": 113,  "WebFunction\_Nm": "TruckerMyAppointmentsRemove",  "WebFunction\_Dsc": "Cancel Appointments",  "WebFunctionCaption": "Cancel Appointments",  "Status\_Cd": "A"  },  ],  "User": {  "User\_Id": 179,  "Login\_Nm": "mobtrucker",  "Email\_Addr": "kmavuri@raytex.co.in",  "First\_Nm": "Ravibabutest",  "Last\_Nm": "Kattamuri456",  "Company\_Id": 147,  "Telephone\_Num": "908 795-321",  "Disabled\_Flg": "N",  "ResetPwdOnNextLogin\_Flg": "N",  "Plate\_Nbr": null,  "Addr\_1": "113 bond drive",  "City\_Nm": "Morganvilletest1",  "State\_Cd": "QC",  "Postal\_Cd": "07751",  "Country\_Nm": null,  "CompanyType\_Cd": "T",  "Facility\_Id": 12,  "MTO\_Cd": "APMMB",  "MTO\_Nm": "Mobile, Alabama",  "IsTruckDriver": null  }  },  "UserMessages": []  }  } |
| Technical Approach | * Caller will receive above response if the user is successfully validated. If user account validation will fail, TERMPoint Web API will return following messages below:  1. **User entered an invalid login name or password**   {  "status": {  "StatusCode": 200,  "ReasonPhrase": "OK"  },  "responseBody": {  "ResponseData": {  "AccessToken": null,  "RefreshToken": null,  "WebFunctions": null,  "User": null  },  "UserMessages": [  {  "MessageNo": 2,  "MessageDescription": "Invalid user",  "MessageSeverity": 3  }  ]  }  }   1. **User associated to the Terminal that is not participated with Mobile App project (LSA, PEB)**   {  "status": {  "StatusCode": 200,  "ReasonPhrase": "OK"  },  "responseBody": {  "ResponseData": {  "AccessToken": null,  "RefreshToken": null,  "WebFunctions": null,  "User": null  },  "UserMessages": [  {  "MessageNo": 4,  "MessageDescription": "Terminal Pier 400 is not serviced by TERMPoint Mobile Application at this time",  "MessageSeverity": 3  }  ]  }  }   * MessageSeverity attribute of response is “0” for success API call and “3” for failure calls, hence handle the MessageDescription attribute of response accordingly |

## Authenticate Refresh Token

|  |  |
| --- | --- |
| Request URL | {BaseURL}/api/Login/AuthenticateRefreshToken |
| Request Method Type | HTTPS Post |
| Request Headers | * **Content-Type :** application/json; charset=UTF-8 * **Culture:** en/es/it |
| Requirement Details | Authenticate Refresh Token API call |
| Request Parameters | |  |  |  |  | | --- | --- | --- | --- | | Name | Required | Data Type | Expected value | | RefreshToken | Yes | String | “Refresh Token” | |
| Request Prototype | {  "refreshToken": " eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bmlxdWVfbmFtZSI6Im1vYnRydWNrZXI6MTAvMjgvMjAxOSAyOjI5OjEzIFBNIiwibmJmIjoxNTcyMjUzMTUzLCJleHAiOjE1ODI2MjExNTMsImlhdCI6MTU3MjI1MzE1MywiaXNzIjoiaHR0cDovL2xvY2FsaG9zdDozMDAwIiwiYXVkIjoiaHR0cDovL2xvY2FsaG9zdDozMDAwIn0.Qmh\_3sv1I4P\_XjC5KimZ9ajOcUW9sdZMnxCO5A6HWKE "  } |
| Response Prototype | {  "status": {  "StatusCode": 200,  "ReasonPhrase": "OK"  },  "responseBody": {  "ResponseData": {  "AccessToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bmlxdWVfbmFtZSI6Im1vYnRydWNrZXIiLCJuYmYiOjE1NzM2NDA5NTEsImV4cCI6MTU4NDAwODk1MSwiaWF0IjoxNTczNjQwOTUxLCJpc3MiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAiLCJhdWQiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAifQ.ZogMTA3\_GbPoz9uvSc2VYyZHBvZEiLmKzAw4ejS-ITY",  "RefreshToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bmlxdWVfbmFtZSI6Im1vYnRydWNrZXI6MTEvMTMvMjAxOSAzOjU5OjExIFBNIiwibmJmIjoxNTczNjQwOTUxLCJleHAiOjE1ODQwMDg5NTEsImlhdCI6MTU3MzY0MDk1MSwiaXNzIjoiaHR0cDovL2xvY2FsaG9zdDozMDAwIiwiYXVkIjoiaHR0cDovL2xvY2FsaG9zdDozMDAwIn0.lvJfJtGFj9g\_q3kWN7vmAqBX5jhDvX0Gxjpm2Ns515I",  "WebFunctions": [  {  "WebFunction\_Id": 110,  "WebFunction\_Nm": "TruckerMyAppointmentsLanding",  "WebFunction\_Dsc": "My Appointments",  "WebFunctionCaption": "My Appointments",  "Status\_Cd": "A"  },  {  "WebFunction\_Id": 111,  "WebFunction\_Nm": "TruckerMyAppointmentsAdd",  "WebFunction\_Dsc": "Add My Appointments",  "WebFunctionCaption": "Add My Appointments",  "Status\_Cd": "I"  },  {  "WebFunction\_Id": 112,  "WebFunction\_Nm": "TruckerMyAppointmentsUpdate",  "WebFunction\_Dsc": "Manage Appointments",  "WebFunctionCaption": "Manage Appointments",  "Status\_Cd": "A"  },  {  "WebFunction\_Id": 113,  "WebFunction\_Nm": "TruckerMyAppointmentsRemove",  "WebFunction\_Dsc": "Cancel Appointments",  "WebFunctionCaption": "Cancel Appointments",  "Status\_Cd": "A"  },  ],  "User": {  "User\_Id": 179,  "Login\_Nm": "mobtrucker",  "Email\_Addr": "kmavuri@raytex.co.in",  "First\_Nm": "Ravibabutest",  "Last\_Nm": "Kattamuri456",  "Company\_Id": 147,  "Telephone\_Num": "908 795-321",  "Disabled\_Flg": "N",  "ResetPwdOnNextLogin\_Flg": "N",  "Plate\_Nbr": null,  "Addr\_1": "113 bond drive",  "City\_Nm": "Morganvilletest1",  "State\_Cd": "QC",  "Postal\_Cd": "07751",  "Country\_Nm": null,  "CompanyType\_Cd": "T",  "Facility\_Id": 12,  "MTO\_Cd": "APMMB",  "MTO\_Nm": "Mobile, Alabama",  "IsTruckDriver": null  }  },  "UserMessages": []  }  } |
| Technical Approach |  |

## Change password Method Details

|  |  |
| --- | --- |
| Request URL | {BaseURL}/api/Account/SubmitChangedPassword |
| Request Method Type | HTTPS Post |
| Request Headers | * **Authorization:**   **JWT** eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bmlxdWVfbmFtZSI6Im1vYnRydWNrZXIiLCJuYmYiOjE1NjI1ODAzMTgsImV4cCI6MTU3Mjk0ODMxOCwiaWF0IjoxNTYyNTgwMzE4LCJpc3MiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAiLCJhdWQiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAifQ.Gdpr-9a6CaD3YK0-IO7OtM0L0BYuoLqDG4DlLHtq5uM   * **Content-Type :** application/json; charset=UTF-8 * **Culture:** en/es/it |
| Requirement Details | Change password screen will appear when user is logged in for first time to system to give ability to change the password of their choice. |
| Request Parameters | |  |  |  |  | | --- | --- | --- | --- | | Name | Required | Data Type | Expected value | | New\_Password | Yes | String | “New Password” | | Random\_IV | Yes | String | “4yXlRBcyI5WXCAqd” | |
| Request Prototype | {  "New\_Password ": "4otc8TqFXzl4FGcPmD/+Tg== ",  “Random\_IV”: “4yXlRBcyI5WXCAqd”  } |
| Response Prototype | {  "status": {  "StatusCode": 200,  "ReasonPhrase": "OK"  },  "responseBody": {  "ResponseData": null,  "UserMessages": [  {  "MessageNo": 11,  "MessageDescription": "The User Password was successfully updated.",  "MessageSeverity": 0  }  ]  }  } |
| Technical Approach | * Change password screen will be present to the user if ResetPwdOnNextLogin\_Flg value is ‘Y’ from Login API response. ResetPwdOnNextLogin\_Flg attribute exist in User Profile object of login api response [See above Login Response] * MessageSeverity attribute of response is “0” for success API call and “3” for failure calls, hence handle the MessageDescription attribute of response accordingly |

## Forgot password Method Details

|  |  |
| --- | --- |
| Request URL | {BaseURL}/api/Login/SubmitResetPwd |
| Request Method Type | HTTPS Post |
| Request Headers | * **Content-Type :** application/json; charset=UTF-8 * **Culture:** en/es/it |
| Requirement Details | Forgot password feature from home page will give ability to trucking company users to reset their password. System will generate a temporary password and send that through an email notification when user select forgot password option and input Login Id, so user can use that temporary password to logon to system and system immediately can ask for change password of their choice. |
| Request Parameters | |  |  |  |  | | --- | --- | --- | --- | | Name | Required | Data Type | Expected value | | Login\_Id | Yes | String | mobtrucker | |
| Request Prototype | [  {  “Login\_Id”: “mobtrucker”  }  ] |
| Response Prototype | {  "status": {  "StatusCode": 200,  "ReasonPhrase": "OK"  },  "responseBody": {  "ResponseData": null,  "UserMessages": [  {  "MessageNo": 11,  "MessageDescription": "An email will be sent with a temporary password to your email address. You can use this password to login to TERMPoint and then change it to a password of your choice.",  "MessageSeverity": 0  }  ]  }  } |
| Technical Approach | * MessageSeverity attribute of response is “0” for success API call and “3” for failure calls, hence handle the MessageDescription attribute of response accordingly |

## Trucker My Appointments Method Details

|  |  |
| --- | --- |
| Request URL | {BaseURL}/api/MyAppointment/GetTruckerAppointments |
| Request Method Type | HTTPS Post |
| Request Headers | * **Authorization:**   **JWT** eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bmlxdWVfbmFtZSI6Im1vYnRydWNrZXIiLCJuYmYiOjE1NjI1ODAzMTgsImV4cCI6MTU3Mjk0ODMxOCwiaWF0IjoxNTYyNTgwMzE4LCJpc3MiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAiLCJhdWQiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAifQ.Gdpr-9a6CaD3YK0-IO7OtM0L0BYuoLqDG4DlLHtq5uM   * **Content-Type :** application/json; charset=UTF-8 * **Culture:** en/es/it |
| Requirement Details | API method to provide data to My Appointment screen  to populate all appointments associated with the Truck License Plate Number or Dispatcher’s company. |
| Request Parameters | |  |  |  |  | | --- | --- | --- | --- | | Name | Required | Data Type | Sample expected value | | Offset | Yes | Number | 0 | | Limit | Yes | Number | 10 | | SortBy | No | String | “GateAppt\_Dt” | | SearchBy | Yes | Object | “SearchBy”:  [{  “Driver\_Flg” = “Y” or “N”  “GateApptStart\_Dt: “2019-07-12T00:00:00”  “GateApptEnd\_Dt: “2019-07-12T00:00:00”  “TruckPlate\_Nbr”: “1088650”,  “ApptStatus\_Cd”: “C, W, R”,    }] | |  |  |  |  |   SearchBy object parameters   |  |  |  |  | | --- | --- | --- | --- | | Name | Required | Data Type | Sample expected value | | GateApptStart\_Dt | Yes | String | “2019-07-12T00:00:00” | | GateApptEnd\_Dt | Yes | String | “2019-07-12T00:00:00” | | ApptType\_Cd | Yes | String | “IP,XD,MP,MD” | | TruckPlate\_Nbr | No | String | “1088650” | | ApptStatus\_Cd | Yes | String | “C,W,R,P” | |  |  |  |  | |
| Request Prototype | [{  “Offset”: 0,  “Limit”: 10,  “SortBy”: “GateAppt\_Dt”,  “SearchBy”: {  “Driver\_Flg” = “Y” or “N”  “GateApptStart\_DtTm: “2019-07-12T00:00:00”  “GateApptEnd\_DtTm: “2019-07-12T00:00:00”  “ApptType\_Cd”: “IP,XD,MP,MD”  “TruckPlate\_Nbr”: “1088650”,  “ApptStatus\_Cd”: “C, W, R,P”  }  }] |
| Response Details | |  |  |  |  | | --- | --- | --- | --- | | **TruckVisitAppointment** | | | | | Field Name | Column Name | Data Type | Sample expected value | | TruckVisitAppt\_Id |  | Number | 35360 | | GateAppt\_Num | Appointment # | Number | 1945316 | | GateAppt\_Dt | Date | String | “2019-07-12T00:00:00” | | Slot\_Tm | Slot | String | “07:00 - 17:00” | | DriverOwnChs\_Flg | Chassis Owned | String | “Y” | | DriverId\_Num |  | String | “69086502F9FF” | | Driver\_Nm | Driver | String | “ROGER SIMMONS” | | Plate\_Nbr | Truck | String | “1088650” | | Gate\_Id | Gate | String | “MOB GATE” |  |  |  |  |  | | --- | --- | --- | --- | | **GateAppointments** | | | | | Field Name | Column Name | Data Type | Sample expected value | | GateAppt\_Id |  | Number | 39641 | | TruckVisitAppt\_Id |  | Number | 35360 | | GateAppt\_Num | Appointment # | Number | 1945316 | | GateAppt\_Dt | Date | String | “2019-07-12T00:00:00” | | Slot\_Tm | Slot | String | “07:00 - 17:00” | | DriverOwnChs\_Flg | Chassis Owned | String | “Y” | | DriverId\_Num |  | String | “69086502F9FF” | | Driver\_Nm | Driver | String | “ROGER SIMMONS” | | Plate\_Nbr | Truck | String | “1088650” | | Gate\_Id | Gate | String | “MOB GATE” | | ApptType\_Cd |  | String | “MD” | | ApptType\_Dsc | Function | String | “EMPTY DROPOFF” | | ApptStatus\_Cd |  | String | “W” | | ApptStatus\_Dsc | Appt Status | String | “TENTATIVE” | | Container\_Num | Container # | String | “TRIU8051645” | | CargoRef\_Num | Cargo Ref | String | “ERO123” | | CargoRefType\_Cd |  | String | Possible values: BKG/EDO/ERO/BOL | | Line\_Id | Line Operator | String | “MSC” | | Con\_Cd | Equip Size | String | “40RE96” | | Ship\_Cd | Vessel Code | String | “CVE” | | Voy\_Num | Vessel Voyage | String | “033E” | | Seal1\_Num | Seal1 | String | “SN12345678” | | Seal2\_Num | Seal2 | String | “SN87654321” | | Chassis\_Num | Chassis # | String | “MKCZ345234” | | Genset\_Num | Genset # | String | “GNJQ123321” | | Hazmat\_Flg | Haz | String | “Y” | | Reefer\_Flg | Reefer | String | “N” | | OD\_Flg | O/D | String | “N” | | VGMSubmitted\_Flg | VGM Submitted | String | “N” | | ErrSeverity\_Ind |  | Number | Possible Values: 1 – Information,  2 – Warning, 3 – Error | | Modify\_DtTm |  | String | “2019-07-25T11:29:00” | | TotalApptCount | Total Appt | Number | 54 |  |  |  |  |  | | --- | --- | --- | --- | | **GateAppointmentErr** | | | | | Field Name | Column Name | Data Type | Sample expected value | | GateAppt\_Id |  | Number | 39277 | | GateApptErr\_Num | Err Number | Number | 140174 | | GateApptErr\_Dsc | Err Description | String | “Yard Block capacity is reached” | | ErrSeverity\_Ind |  | Number | 2 | |
| Response Prototype | {  "status": {  "StatusCode": 200,  "ReasonPhrase": "OK"  },  "responseBody": {  "ResponseData": {  "TruckVisitAppointment": [  {  "TruckVisitAppt\_Id": 34971,  "GateAppt\_Num": "1838212",  "GateAppt\_Dt": "2019-11-01T00:00:00",  "Slot\_Tm": "16:00-23:00",  "DriverOwnChs\_Flg": "Y",  "DriverID\_Num": "C6337D00F7FF",  "Driver\_Nm": "George Mickles",  "Gate\_Id": "MOB GATE",  "Plate\_Nbr": "TTPAK001"  },  {  "TruckVisitAppt\_Id": 34974,  "GateAppt\_Num": "1838216",  "GateAppt\_Dt": "2019-11-01T00:00:00",  "Slot\_Tm": "16:00-23:00",  "DriverOwnChs\_Flg": "N",  "DriverID\_Num": "C6337D00F7FF",  "Driver\_Nm": "George Mickles",  "Gate\_Id": "MOB GATE",  "Plate\_Nbr": "TTPAK001"  }  ],  "GateAppointmentResult": {  "GateAppointments": [  {  "GateAppt\_Id": 39252,  "GateAppt\_Dt": "2019-11-01T00:00:00",  "Slot\_Tm": "16:00-23:00",  "DriverOwnChs\_Flg": "Y",  "DriverID\_Num": "C6337D00F7FF",  "Driver\_Nm": "George Mickles",  "Plate\_Nbr": "TTPAK001",  "Gate\_Id": "MOB GATE",  "ApptType\_Cd": "IP",  "ApptType\_Dsc": "IMPORT PICKUP",  "ApptStatus\_Cd": "W",  "ApptStatus\_Dsc": "TENTATIVE",  "Container\_Num": "TCKU1387240",  "CargoRef\_Num": "OF305046",  "CargoRefType\_Cd": "CON",  "ShippingLine\_Cd": "MSC",  "Con\_Cd": "20GP86",  "Ship\_Cd": "POR",  "Voy\_Num": "67S",  "ErrSeverity\_Ind": 2,  "Modify\_DtTm": "2019-03-20T08:37:00"  },  {  "GateAppt\_Id": 39255,  "GateAppt\_Dt": "2019-11-01T00:00:00",  "Slot\_Tm": "16:00-23:00",  "DriverOwnChs\_Flg": "N",  "DriverID\_Num": "C6337D00F7FF",  "Driver\_Nm": "George Mickles",  "Plate\_Nbr": "TTPAK001",  "Gate\_Id": "MOB GATE",  "ApptType\_Cd": "IP",  "ApptType\_Dsc": "IMPORT PICKUP",  "ApptStatus\_Cd": "W",  "ApptStatus\_Dsc": "TENTATIVE",  "Container\_Num": null,  "CargoRef\_Num": "003803818356",  "CargoRefType\_Cd": "BOL",  "ShippingLine\_Cd": "EGL",  "Con\_Cd": "",  "Ship\_Cd": "",  "Voy\_Num": "",  "ErrSeverity\_Ind": 2,  "Modify\_DtTm": "2019-03-20T08:46:00"  }  ],  "TotalApptCount": 58  },  "GateAppointmentErr": [  {  "GateAppt\_Id": 39252,  "GateApptErr\_Num": 140012,  "GateApptErr\_Dsc": "Driver is not registered with the Trucking Company",  "ErrSeverity\_Ind": 2  },  {  "GateAppt\_Id": 39252,  "GateApptErr\_Num": 140302,  "GateApptErr\_Dsc": "Container is on Demurrage Hold. If Demurrage is not paid within Terminal deadline this appointment will be cancelled.",  "ErrSeverity\_Ind": 2  },  {  "GateAppt\_Id": 39255,  "GateApptErr\_Num": 140012,  "GateApptErr\_Dsc": "Driver is not registered with the Trucking Company",  "ErrSeverity\_Ind": 2  }  ]  },  "UserMessages": []  }  } |
| Technical Approach | * ApptType\_Cd input parameters possible values: * IP – Import Pick Up * XD – Export Drop Off * MP – Empty Pick Up * MD – Empty Drop Off * ApptStatus\_Cd input parameters possible values: * C – Confirmed * W – Tentative * P – In progress * R – Rejected * D – Completed * X – Cancelled * M – Missed * For initial load of the My Appointment list Mobile App should send coma delimited all Appointment Type codes (ApptType\_Cd) configured for the Terminal and following coma delimited Appointment Status codes (ApptStatus\_Cd) by default (C,W,P,R) as part of the request parameters * If Mobile app submit Driver\_Flg = “Y” and TruckLicPlate = NULL as input parameters, API will return no results * If driver flag Y and truck license, and no appointments, then API will return appropriate message: **No Appointments for This Truck License** |

## Cancel Appointment Method Details

|  |  |
| --- | --- |
| Request URL | {BaseURL}/api/MyAppointment/PostCancelAppointment |
| Request Method Type | HTTPS Post |
| Request Headers | * **Authorization:**   **JWT** eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bmlxdWVfbmFtZSI6Im1vYnRydWNrZXIiLCJuYmYiOjE1NjI1ODAzMTgsImV4cCI6MTU3Mjk0ODMxOCwiaWF0IjoxNTYyNTgwMzE4LCJpc3MiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAiLCJhdWQiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAifQ.Gdpr-9a6CaD3YK0-IO7OtM0L0BYuoLqDG4DlLHtq5uM   * **Content-Type :** application/json; charset=UTF-8 * **Culture:** en/es/it |
| Requirement Details | API method to cancel appointment from TERMPoint appointment system |
| Request Parameters | |  |  |  |  | | --- | --- | --- | --- | | Name | Required | Data Type | Sample expected values | | GateAppt\_Id | Yes | Number | 50683 | | ApptStatus\_Cd | Yes | string | “W/C/R” |   TERMPoint application allow to cancel appointments only if appointment status is  W – Tentative, C – Confirmed or R – Rejected |
| Request Prototype | [     {         “GateAppt\_Id”:50683,        “ApptStatusCd”:”W”     },   {    ”GateAppt\_Id”:50684,    “ApptStatusCd”:”C”    } ] |
| Response Prototype | [{  “ObjUserMessagesList”: [{  “MessageNo”: 600009,  “MessageDescription”: “Appointment has been cancelled successfully”,  “MessageSeverity”: 0  }]  }] |
| Technical Approach | * TERMPoint application allow to cancel appointments only if appointment status is W – Tentative, C – Confirmed or R – Rejected. Mobile App expected to validate appointment status before calling an API to prevent unnecessary call. |

## Get Appointment Details Method

|  |  |
| --- | --- |
| Request URL | {BaseURL}/api/MyAppointment/GetAppointmentDetails |
| Request Method Type | HTTPS Post |
| Request Headers | * **Authorization:**   **JWT** eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bmlxdWVfbmFtZSI6Im1vYnRydWNrZXIiLCJuYmYiOjE1NjI1ODAzMTgsImV4cCI6MTU3Mjk0ODMxOCwiaWF0IjoxNTYyNTgwMzE4LCJpc3MiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAiLCJhdWQiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAifQ.Gdpr-9a6CaD3YK0-IO7OtM0L0BYuoLqDG4DlLHtq5uM   * **Content-Type :** application/json; charset=UTF-8 * **Culture:** en/es/it |
| Requirement Details | API method to provide data to Appointment Details screen  to populate all appointment details based on appointment selected from My Appointments screen. |
| Request Parameters | |  |  |  |  | | --- | --- | --- | --- | | Name | Required | Data Type | Sample expected value | | GateAppt\_Id | Yes | Number | 39641 | |  |  |  |  | |
| Request Prototype | [{  “ GateAppt\_Id”: 39641,  }] |
| Response Details | |  |  |  |  | | --- | --- | --- | --- | | **TN\_GateAppt** | | | | | Field Name | Column Name | Data Type | Sample expected value | | GateAppt\_Id |  | Number | 39641 | | TruckVisitAppt\_Id |  | Number | 35360 | | GateAppt\_Num | Appointment # | Number | 1945316 | | GateAppt\_Dt | Date | String | “2019-07-12T00:00:00” | | Slot\_Tm | Slot | String | “07:00 - 17:00” | | DriverOwnChs\_Flg | Chassis Owned | String | “Y” | | DriverId\_Num |  | String | “69086502F9FF” | | Driver\_Nm | Driver | String | “ROGER SIMMONS” | | TruckPlate\_Nbr | Truck | String | “1088650” | | Gate\_Id | Gate | String | “MOB GATE” | | ApptType\_Cd |  | String | “XD” | | ApptType\_Dsc | Function | String | “EXPORT DROPOFF” | | ApptStatus\_Cd |  | String | “W” | | ApptStatus\_Dsc | Appt Status | String | “TENTATIVE” | | Container\_Num | Container # | String | “TRIU8051645” | | CargoRef\_Num | Cargo Ref | String | “BKG123” | | CargoRefType\_Cd |  | String | Posible values: BOOK/EDO/ERO/BOL/GRP/CON | | Line\_Id | Line Operator | String | “MSC” | | Con\_Cd | Equip Size | String | “40RE96” | | Ship\_Cd | Vessel Code | String | “CVE” | | Voy\_Num | Vessel Voyage | String | “033E” | | Seal1\_Num | Seal1 | String | “SN12345678” | | Seal2\_Num | Seal2 | String | “SN87654321” | | Chassis\_Num | Chassis # | String | “MKCZ345234” | | Genset\_Num | Genset # | String | “GNJQ123321” | | Hazmat\_Flg | Haz | String | “Y” | | Reefer\_Flg | Reefer | String | “N” | | OD\_Flg | O/D | String | “N” | | VGMSubmitted\_Flg | VGM Submitted | String | “N” | | Available\_Flg | Appt Ready | String | “Y” | | Customs | Customs | String | “RELEASE” | | Freight | Freight | String | “RELEASE” | | Discharged | Discharge Date | String | “2019-07-22T00:00:00” | | GoodThru | Good Thru | String | “2019-07-24T00:00:00” | | Demurrage | Demurrage | String | “NO” | | Gross\_Weight | Weight | Number | 12266 | | Position | Position | String | “Yard Grounded (G0328D.1)” | | Holds | Holds | String | “1W,IBET$” | | Error\_Severity |  | Number | Possible Values: 1 – Information,  2 – Warning, 3 - Error |  |  |  |  |  | | --- | --- | --- | --- | | **TN\_GateApptErr** | | | | | Field Name | Column Name | Data Type | Sample expected value | | GateAppt\_Id |  | Number | 39277 | | GateApptErr\_Num | Err Number | Number | 140174 | | GateApptErr\_Dsc | Err Description | String | “Yard Block capacity is reached” | | Error\_Severity |  | Number | 2 | |
| Technical Approach |  |

|  |  |
| --- | --- |
| Response Prototype | {“AppointmentDetailsResult”:  “{“**TN\_GateAppt**”: [{  “GateAppt\_Id”: 39277,  “TruckVisitAppt\_Id”: 35360,  “GateAppt\_Num”: “1945316”,  “GateAppt\_Dt”: “2019-07-12 T00:00:00”,  “Slot\_Tm”: “07:00 - 17:00”,  “DriverOwnChs\_Flg”: “Y”,  “DriverId\_Num”: “69086502F9FF”,  “Driver\_Nm”: “ROGER SIMMONS”,  “TruckPlate\_Nbr”: “1088650”,  “Gate\_Id”: “MOB GATE”,  “ApptType\_Cd”: “XD”,  “ApptType\_Dsc”: “EXPORT DROPOFF”,  “ApptStatus\_Cd”: “W”,  “ApptStatus\_Dsc”: “TENTATIVE”,  “Container\_Num”: “TRIU8051645”,  “CargoRef\_Num”: “CALB799088”,  “CargoRefType\_Cd”: “BOOK”,  “Line\_Id”: “HMM”,  “Con\_Cd”: “40RE96”,  “Ship\_Cd”: “HHSL”,  “Voy\_Num”: “068W”,  “Seal1\_Num”: “SN12345678”  “Seal2\_Num”: NULL  “Chassis\_Num”: “MKCZ345234”  “Genset\_Num”: “GNJQ123321”  “Hazmat\_Flg”: “N”  “Reefer\_Flg”: “Y”  “OD\_Flg”: “N”  “VGMSubmitted\_Flg”: “N”  “Available\_Flg”: NULL  “Customs”: NULL  “Freight”: NULL  “Discharged”: NULL  “GoodThru”: NULL  “Demurrage”: NULL  “Gross\_Weight”: 0  “Position”: NULL  “Holds”: NULL  “Error\_Severity”: 2  }],  “**TN\_GateApptErr**”: [  {“GateAppt\_Id”: 39277,  “GateApptErr\_Num”: 140174,  “GateApptErr\_Dsc”: “Yard Block capacity is reached”  “Error\_Severity”: 2},    {“GateAppt\_Id”: 39277,  “GateApptErr\_Num”: 140154,  “GateApptErr\_Dsc”: “Container is unknown. Verify the container number entered. If problem persists, call Steamship Line to on-hire.”  “Error\_Severity”: 2}]  }} |

## Manage Appointment Details

|  |  |
| --- | --- |
| Request URL | {BaseURL}/api/MyAppointment/GetManageAppointmentDetails |
| Request Method Type | HTTPS Post |
| Request Headers | * **Authorization:**   **JWT** eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bmlxdWVfbmFtZSI6Im1vYnRydWNrZXIiLCJuYmYiOjE1NjI1ODAzMTgsImV4cCI6MTU3Mjk0ODMxOCwiaWF0IjoxNTYyNTgwMzE4LCJpc3MiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAiLCJhdWQiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAifQ.Gdpr-9a6CaD3YK0-IO7OtM0L0BYuoLqDG4DlLHtq5uM   * **Content-Type :** application/json; charset=UTF-8 * **Culture:** en/es/it |
| Requirement Details | API method to provide data to Manage Appointment Details screen  to populate all appointment details based on appointment selected from My Appointments screen, including reference data to populate drop down or list controls |
| Request Parameters | |  |  |  |  | | --- | --- | --- | --- | | Name | Required | Data Type | Sample expected value | | GateAppt\_Id | Yes | Number | 39641 | | cargoRefType\_Cd | Yes | Number | 47297 | | ApptType\_C | Yes | String | MD | |
| Request Prototype | {  “GateAppt\_Id”: 51545,  “TruckVisitAppt\_Id”: 47297,  “ApptType\_Cd”: “MD”,  “cargoRefType\_Cd ": ""  } |
| Response Details | |  |  |  |  | | --- | --- | --- | --- | | **TN\_GateAppt** | | | | | Field Name | Column Name | Data Type | Sample expected value | | GateAppt\_Id |  | Number | 39641 | | TruckVisitAppt\_Id |  | Number | 35360 | | GateAppt\_Num | Appointment # | Number | 1945316 | | GateAppt\_Dt | Date | String | “2019-07-12T00:00:00” | | Slot\_Tm | Slot | String | “07:00 - 17:00” | | DriverOwnChs\_Flg | Chassis Owned | String | “Y” | | DriverId\_Num |  | String | “69086502F9FF” | | Driver\_Nm | Driver | String | “ROGER SIMMONS” | | TruckPlate\_Nbr | Truck | String | “1088650” | | Gate\_Id | Gate | String | “MOB GATE” | | ApptType\_Cd |  | String | “MD” | | ApptType\_Dsc | Function | String | “EMPTY DROPOFF” | | ApptStatus\_Cd |  | String | “W” | | ApptStatus\_Dsc | Appt Status | String | “TENTATIVE” | | Container\_Num | Container # | String | “TRIU8051645” | | CargoRef\_Num | Cargo Ref | String | “ERO123” | | CargoRef\_Gkey |  | Number | 434534 | | CargoRefType\_Cd |  | String | Possible values: BKG/EDO/ERO/BOL | | Line\_Id | Line Operator | String | “MSC” | | Con\_Cd | Equip Size | String | “40RE96” | | Seal1\_Num | Seal1 | String | “SN12345678” | | Seal2\_Num | Seal2 | String | “SN87654321” | | Chassis\_Num | Chassis # | String | “MKCZ345234” | | Genset\_Num | Genset # | String | “GNJQ123321” | | Hazmat\_Flg | Haz | String | “Y” | | Reefer\_Flg | Reefer | String | “N” | | OD\_Flg | O/D | String | “N” | | VGMSubmitted\_Flg | VGM Submitted | String | “N” | | Ship\_Cd |  | String | “HHSL” | | Voy\_Num |  | String | “068W” | | Error\_Severity |  | Number | 2 |   **Reference Data**   |  |  |  |  | | --- | --- | --- | --- | | **RG\_AvailableSlots** | | | | | Field Name | Column Name | Data Type | Sample expected value | | SlotSchedule\_Id |  | Number | 33206 | | Slot\_Tm | Slot | String | “07:00 - 11:00” |  |  |  |  |  | | --- | --- | --- | --- | | **RG\_EquipSize** | | | | | Field Name | Column Name | Data Type | Sample expected value | | CargoRef\_Gkey |  | Number | 145688 | | ConCd | Equip Size | String | “40GP86” |  |  |  |  |  | | --- | --- | --- | --- | | **RG\_Drivers** | | | | | Field Name | Column Name | Data Type | Sample expected value | | Driver\_Id |  | Number | 580 | | Driver\_Nm | Driver | String | “ROGER SIMMONS” | | Driver\_LicNum | Driver Lic | String | “5298401” | | Driver\_LicSt | Driver Lic State | String | “AL” | | DriverId\_Num | Driver Id | String | “69086502F9FF” |  |  |  |  |  | | --- | --- | --- | --- | | **RG\_Trucks** | | | | | Field Name | Column Name | Data Type | Sample expected value | | Truck\_Id |  | Number | 1642 | | TruckPlate\_Nbr | Truck | String | “1088650” | |
| Response Prototype | {  {“ManageAppointmentResults”:  “{“**TN\_GateAppt**”: [{  “GateAppt\_Id”: 39277,  “TruckVisitAppt\_Id”: 35360,  “GateAppt\_Num”: “1945316”,  “GateAppt\_Dt”: “2019-07-12T00:00:00”,  “Slot\_Tm”: “07:00 - 17:00”,  “DriverOwnChs\_Flg”: “Y”,  “DriverId\_Num”: “69086502F9FF”,  “Driver\_Nm”: “ROGER SIMMONS”,  “TruckPlate\_Nbr”: “1088650”,  “Gate\_Id”: “MOB GATE”,  “ApptType\_Cd”: “XD”,  “ApptType\_Dsc”: “EXPORT DROPOFF”,  “ApptStatus\_Cd”: “W”,  “ApptStatus\_Dsc”: “TENTATIVE”,  “Container\_Num”: “TRIU8051645”,  “CargoRef\_Num”: “CALB799088”,  “CargoRefType\_Cd”: “BKG”,  “Line\_Id”: “HMM”,  “Con\_Cd”: “40RE96”,  “Ship\_Cd”: “HHSL”,  “Voy\_Num”: “068W”,  “Seal1\_Num”: “SN12345678”  “Seal2\_Num”: NULL  “Chassis\_Num”: “MKCZ345234”  “Genset\_Num”: “GNJQ123321”  “Hazmat\_Flg”: “N”  “Reefer\_Flg”: “Y”  “OD\_Flg”: “N”  “VGMSubmitted\_Flg”: “N”  “Error\_Severity”: 2  }],  “**RG\_Drivers**”:[  {  “Driver\_Id”:580,  “Driver\_Nm”:”ROGER SIMMONS”,  “Driver\_LicNum”:”5298401”,  “Driver\_LicSt”:”AL”,  “DriverId\_Num”:”69086502F9FF”  },  {  “Driver\_Id”:581,  “Driver\_Nm”:”PATRICK HOUSE”,  “Driver\_LicNum”:”93483944”,  “Driver\_LicSt”:”CA”,  “DriverId\_Num”:”98709502F9SS”  }  ],  “**RG\_Trucks**”:[  {  “Truck\_Id”:”1642”,  “TruckPlate\_Nbr”:”1088650”  },  {  “Truck\_Id”:”1643”,  “TruckPlate\_Nbr”:”487747834”  }  ],  “**RG\_AvailableSlots**”:[  {  “SlotSchedule\_Id”:”33206”,  “Slot\_Tm”:”07:00 - 11:00”  },  {  “SlotSchedule\_Id “:”33207”,  “Slot\_Tm”:”11:00 - 13:00”  }  ],  “**RG\_EquipSize**”:[  {  “CargoRef\_GKey”:”145688”,  “Con\_Cd”:”40GP96”  },  {  “CargoRef\_GKey “:”145688”,  “Con\_Cd”:”40GP86”  }  ],  “**RG\_ReservedCon**”: [  {  “Container\_Num”:”TRIU8051645”,  “Con\_Cd”:”40GP96”  },  {  “Container\_Num “:”MSKU8051645”,  “Con\_Cd”:”40GP86”  }  ],  “UserMessages”: NULL  }  } |
| Technical Approach |  |

## Post Manage Appointments Method

|  |  |
| --- | --- |
| Request URL | {BaseURL}/api/MyAppointment/PostManageAppointment |
| Request Method Type | HTTPS Post |
| Request Headers | * **Authorization:**   **JWT** eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bmlxdWVfbmFtZSI6Im1vYnRydWNrZXIiLCJuYmYiOjE1NjI1ODAzMTgsImV4cCI6MTU3Mjk0ODMxOCwiaWF0IjoxNTYyNTgwMzE4LCJpc3MiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAiLCJhdWQiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAifQ.Gdpr-9a6CaD3YK0-IO7OtM0L0BYuoLqDG4DlLHtq5uM   * **Content-Type :** application/json ; charset=UTF-8 * **Culture:** en/es/it |
| Requirement Details | API method to post appointment changes made by the user. System will validate appointment details, submit data to TERMPoint and TOS system, and return appointment confirmation details |
| Request Parameters | |  |  |  |  | | --- | --- | --- | --- | | Name | Required | Data Type | Sample expected value | | GateAppt\_Id | Yes | Number | 50953 | | ApptType\_Cd | Yes | String | “XD” | | GateAppt\_Dt | Yes | String | “2019-07-26T00:00:00” | | ApptSlot\_Tm | Yes | String | “07:00 - 17:00” | | DriverID\_Num | No | String | “69086502F9FF” | | Driver\_Nm | No | String | “ROGER SIMMONS” | | CargoRef\_Num | No | String | “038VC0464272” | | CargoRef\_GKey | No | Number | 145688 | | CargoRefType\_Cd | No | String | “BKG” | | ShippingLine\_Cd | No | String | “MAE” | | DriverOwnChs\_Flg | No | String | “Y” | | SlotSchedule\_Id | Yes | Number | 35047 | | Container\_Num | No | String | “FSCU6954495” | | Chassis\_Num | No | String | “APMZ3453453” | | Genset\_Num | No | String | “APHJ8450” | | Con\_Cd | No | String | “40GP96” | | Reefer\_Flg | No | String | “N” | | Hazmat\_Flg | No | String | “N” | | OD\_Flg | No | String | “Y” | | ODStatus\_Cd | No | String | “YNS” (Yes - no swing required) | | Seal1\_Num | No | String | “323423433367” | | Seal2\_Num | No | String | “323423433368” | | Truck\_Id | No | Number | 1642 | | TruckPlate\_Nbr | No | String | “1088650” | | VGMSubmitted\_Flg | No | String | “N” | | Gate\_Id | No | String | “MOB GATE” | | Mode | Yes | String | “U” (Update) | | TruckVisitAppt\_Id | Yes | Number | 46679 | |
| Request Prototype | {  “TN\_GateAppt”:[  {  “GateAppt\_Id”:50953,  “GateAppt\_Dt”:”2019-07-26T00:00:00”,  “ApptSlot\_Tm”:”07:00 - 17:00”,  “DriverID\_Num”:”69086502F9FF”,  “Driver\_Nm”:”ROGER SIMMONS”,  “CargoRef\_Num”:”038VC0464272”,  “ShippingLine\_Cd”:NULL,  “DriverOwnChs\_Flg”:”Y”,  “SlotSchedule\_Id”:35047,  “Container\_Num”:”FSCU6954495”,  “Chassis\_Num”:”APMZ3453453”  “Genset\_Num”:NULL,  “Con\_Cd”:NULL,  “Reefer\_Flg”:”N”,  “Hazmat\_Flg”:”N”,  “OD\_Flg”:”N”,  “Seal1\_Num”:”S1”,  “Seal2\_Num”:”SEAL2”,  “Mode”:”U”,  “Truck\_Id”:1642,  “CargoRef\_GKey”:145688,  “ODStatus\_Cd”:NULL,  “TruckVisitAppt\_Id”:46679,  “ApptType\_Cd”:”XD”,  “TruckPlate\_Nbr”:”1088650”,  “CargoRefType\_Cd”:”BKG”,  “VGMSubmitted\_Flg”:”gN”,  “Gate\_Id”:”MOB GATE”  }  ]  } |
| Response Details | |  |  |  |  | | --- | --- | --- | --- | | **TN\_GateApptConfirmation** | | | | | Field Name | Column Name | Data Type | Sample expected value | | GateAppOutputId |  | Number | 1 | | GateAppt\_Num | Appointment # | String | “1945391” | | Status | Status | String | “Tentative appointment updated.” | | Gate\_Id | Gate | String | “MOB GATE” | | Container\_Num | Container # | String | “FSCU6954495” | | EquiqSize | Equip Size | String | “40GP96” | | ChassisNo | Chassis # | String | “APMZ3453453” | | CargoRefNo | Cargo Reference # | String | “038VC0464272” | | ErrSeverity | Error | Number | 2 |  |  |  |  |  | | --- | --- | --- | --- | | **ErrorDescription** | | | | | Field Name | Column Name | Data Type | Sample expected value | | Info |  | String | NULL | | Warning |  | String | “140012 - Driver is not registered with the Trucking Company”,  “140141 - Appointment time is after vessel cut-off” | | Error |  | String | NULL | |
| Response Prototype | {  “TN\_GateApptConfirmation”:[  {  “GateAppOutputId”:1,  “Status”:”Tentative appointment updated.”,  “Container\_Num”:”FSCU6954495”,  “EquiqSize”:”40GP96”,  “CargoRefNo”:”038VC0464272”,  “ErrSeverity”:2,  “AppointmentDateTime”:”07/26/2019 - 07:00 - 17:00”,  “ChassisNo”:”CHSTEST123”,  “ GateAppt\_Num “:”1945391”,  “Gate\_Id”:”MOB GATE”,  “**ErrorDescription**”:{  “Info”:[],  “Warning”:[  “140012 - Driver is not registered with the Trucking Company”,  “140141 - Appointment time is after vessel cut-off”  ],  “Error”:[]  }  }  ],  “ObjUserMessagesList”: NULL  } |
| Technical Approach |  |

## Get Available Time Slots Method

|  |  |
| --- | --- |
| Request URL | {BaseURL}/api/MyAppointment/GetAvailableTimeSlots |
| Request Method Type | HTTPS Post |
| Request Headers | * **Authorization:**   **JWT** eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bmlxdWVfbmFtZSI6Im1vYnRydWNrZXIiLCJuYmYiOjE1NjI1ODAzMTgsImV4cCI6MTU3Mjk0ODMxOCwiaWF0IjoxNTYyNTgwMzE4LCJpc3MiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAiLCJhdWQiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAifQ.Gdpr-9a6CaD3YK0-IO7OtM0L0BYuoLqDG4DlLHtq5uM   * **Content-Type :** application/json; charset=UTF-8 * **Culture:** en/es/it |
| Requirement Details | API method to get all available time slots for specified date |
| Request Parameters | |  |  |  |  | | --- | --- | --- | --- | | Name | Required | Data Type | Sample expected value | | GateAppt\_Dt | Yes | String | “2019-07-24T00:00:00” | | GateApptStart\_Tm | No | String | “08:00” | | ApptType\_Cd | Yes | String | “IP” | | Container\_Num | No | String | “TRIU8051645” | | GateAppt\_Id | No | Number |  | |
| Request Prototype | [      {         ”GateAppt\_Dt”:”2019-07-26T00:00:00”,       ”ApptType\_Cd”: “IP”,  “IPRequestType”: “CON”       ”GateAppt\_Id”:”50772”,       ”GateApptStart\_Tm”:”08:00”,       ”Container\_Num”:”TRIU8051645”   } ] |
| Response Details | |  |  |  |  | | --- | --- | --- | --- | | **RG\_AvailableSlots** | | | | | Field Name | Column Name | Data Type | Sample expected value | | SlotSchedule\_Id |  | Number | 33206 | | Slot\_Tm | Slot | String | “08:00 - 12:00” | |
| Response Prototype | {  “SlotDate”:”07/26/2019”,  “ContainerNum”:”NA”,  “ApptSlotSchedule\_Id”:NULL,  “ApptSlot\_Dt”:NULL,  “**RG\_AvailableSlots**”:[  {  “SlotSchedule\_Id”:”34937”,  “Slot\_Tm”:”08:00 - 12:00”  },  {  “SlotSchedule\_Id”:”34938”,  “Slot\_Tm”:”12:00 - 16:00”  }  ]  “ObjUserMessagesList”:NULL,  } |
| Technical Approach |  |

## Get Vessel Schedules Method

|  |  |
| --- | --- |
| Request URL | {BaseURL}/api/MyDashboard/GetVesselSchedule |
| Request Method Type | HTTPS Post |
| Request Headers | * **Authorization:**   **JWT** eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bmlxdWVfbmFtZSI6Im1vYnRydWNrZXIiLCJuYmYiOjE1NjI1ODAzMTgsImV4cCI6MTU3Mjk0ODMxOCwiaWF0IjoxNTYyNTgwMzE4LCJpc3MiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAiLCJhdWQiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAifQ.Gdpr-9a6CaD3YK0-IO7OtM0L0BYuoLqDG4DlLHtq5uM   * **Content-Type :** application/json; charset=UTF-8 * **Culture:** en/es/it |
| Requirement Details | API method to get vessel schedule details for specific terminal |
| Request Parameters | None |
| Request Prototype | None |
| Response Details | |  |  |  |  | | --- | --- | --- | --- | | **RG\_ShipSchedule** | | | | | Field Name | Column Name | Data Type | Sample expected value | | SHIP\_ID | SHIP ID | String | “HHCR” | | NAME | VESSEL NAME | String | “HYUNDAI COURAGE” | | LINE\_ID | LINE | String | “HMM” | | IN\_VOY\_NBR | INBOUND VOYAGE | String | “081E” | | OUT\_VOY\_NBR | OUTBOUND VOYAGE | String | “081W” | | ARRIVAL\_DATE | ARRIVAL DATE | String | “2019-08-21T17:00:00” | | DEPART\_DATE | DEPARTURE DATE | String | “2019-08-27T17:00:00” | | DISCHARGED | FIRST AVAILABLE DATE | String | NULL | | ID | VESSEL VISIT | String | “HHCR081W” | | PHASE | VESSEL PHASE | String | “20INBOUND” |  |  |  |  |  | | --- | --- | --- | --- | | **RG\_ShipScheduleCutOff** | | | | | Field Name | Column Name | Data Type | Sample expected value | | SHIP\_ID | SHIP ID | String | “HHCR” | | OUT\_VOY\_NBR | OUTBOUND VOYAGE | String | “081W” | | LINE\_ID | LINE | String | “HMM” | | EMPTY\_PICKUP | START/RECEIVE DATE | String | “2019-08-20T17:00:00” | | CARGO\_CUTOFF | CARGO CUTOFF | String | “2019-08-24T17:00:00” | | REEFER\_CUTOFF | REEFER CUTOFF | String | “2019-08-23T17:00:00” | | HAZARDOUS\_CUTOFF | HAZARDOUS CUTOFF | String | “2019-08-23T17:00:00” | |
| Response Prototype | {     ”**RG\_ShipSchedule**”:[           {              ”SHIP\_ID”:”HHCR”,              “NAME”:”HYUNDAI COURAGE”,              “LINE\_ID”:”HMM”,              “IN\_VOY\_NBR”:”081E”,              “OUT\_VOY\_NBR”:”081W”,              “ARRIVAL\_DATE”:”2019-08-21T17:00:00”,              “DEPART\_DATE”:”2019-08-27T17:00:00”,              “DISCHARGED”:NULL,              “ID”:” HHCR081W”,              “PHASE”:”20INBOUND”           }        ],     “**RG\_ShipScheduleCutOff**”:[          {              ”SHIP\_ID”:” HHCR”,              “OUT\_VOY\_NBR”:”081W”,              “LINE\_ID”:”MAE”,              “EMPTY\_PICKUP”:”2019-08-25T15:30:00”,              “CARGO\_CUTOFF”:”2019-08-26T02:00:00”,              “REEFER\_CUTOFF”:”2019-08-26T02:00:00”,              “HAZARDOUS\_CUTOFF”:”2019-08-24T02:00:00”           },           {              ”SHIP\_ID”:” HHCR”,              “OUT\_VOY\_NBR”:”081W”,              “LINE\_ID”:” HMM”,              ”EMPTY\_PICKUP”:”2019-08-20T15:30:00”,              “CARGO\_CUTOFF”:”2019-08-26T02:00:00”,              “REEFER\_CUTOFF”:”2019-08-26T02:00:00”,              “HAZARDOUS\_CUTOFF”:”2019-08-26T02:00:00”,           },           {              ”SHIP\_ID”:” HHCR”,              ”OUT\_VOY\_NBR”:”081W”,              “LINE\_ID”:”APL”,              ”EMPTY\_PICKUP”:”2019-08-20T15:30:00”,              “CARGO\_CUTOFF”:”2019-08-26T02:00:00”,              “REEFER\_CUTOFF”:”2019-08-26T02:00:00”,              “HAZARDOUS\_CUTOFF”:”2019-08-26T02:00:00”,           },           {              ”SHIP\_ID”:” HHCR”,              “OUT\_VOY\_NBR”:”081W”,              “LINE\_ID”:”CMA”,               ”EMPTY\_PICKUP”:”2019-08-20T15:30:00”,              “CARGO\_CUTOFF”:”2019-08-26T02:00:00”,              “REEFER\_CUTOFF”:”2019-08-26T02:00:00”,              “HAZARDOUS\_CUTOFF”:”2019-08-26T02:00:00”,           }        ],        “ObjUserMessagesList”:NULL  } |
| Technical Approach |  |

## Get Appointment Availability Method

|  |  |
| --- | --- |
| Request URL | {BaseURL}/api/ MyDashboard/GetAppointmentAvailability |
| Request Method Type | HTTPS Post |
| Request Headers | * **Authorization:**   **JWT** eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bmlxdWVfbmFtZSI6Im1vYnRydWNrZXIiLCJuYmYiOjE1NjI1ODAzMTgsImV4cCI6MTU3Mjk0ODMxOCwiaWF0IjoxNTYyNTgwMzE4LCJpc3MiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAiLCJhdWQiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAifQ.Gdpr-9a6CaD3YK0-IO7OtM0L0BYuoLqDG4DlLHtq5uM   * **Content-Type :** application/json; charset=UTF-8 * **Culture:** en/es/it |
| Requirement Details | API method to get all available time slots for specified date |
| Request Parameters | |  |  |  |  | | --- | --- | --- | --- | | Name | Required | Data Type | Sample expected value | | GateAppt\_Dt | Yes | String | “2019-08-28T00:00:00” | |
| Request Prototype | [      {         ”GateAppt\_Dt”:”2019-08-28”   } ] |
| Response Details | |  |  |  |  | | --- | --- | --- | --- | | **TN\_ApptSlotSchedule** | | | | | Field Name | Column Name | Data Type | Sample expected value | | ApptType\_Cd |  | String | “ID” | | ApptType\_Dsc | Appointment Type | String | “IMPORT DROPOFF” | | TotalNbrOfSlots | Total Slots | Number | 100 | | TotalAppts | Total Appointments | Number | 20 | | TotalReservedSlots | Reserved Slots | Number | 0 | | TotalAvailableSlots | Total Available Slots | Number | 80 |  |  |  |  |  | | --- | --- | --- | --- | | **TN\_ApptSlotScheduleDetails** | | | | | Field Name | Column Name | Data Type | Sample expected value | | ApptType\_Cd |  | String | “ID” | | ApptSlot\_Tm | Time Slot | String | “07:00 - 17:00” | | TotalNbrOfSlots | Total Slots | Number | 100 | | TotalAppts | Total Appointments | Number | 20 | | TotalReservedSlots | Reserved Slots | Number | 0 | | TotalAvailableSlots | Total Available Slots | Number | 80 | |
| Response Prototype | {     ”TN\_ApptSlotSchedule”:[        {           ”ApptType\_Dsc”:”IMPORT DROPOFF”,           “ApptType\_Cd”:”ID”,           “TotalNbrOfSlots”:100,           “TotalAppts”:0,           “TotalReservedSlots”:0,           “TotalAvailableSlots”:100        },        {           ”ApptType\_Dsc”:”IMPORT PICKUP”,           “ApptType\_Cd”:”IP”,           “TotalNbrOfSlots”:300,           “TotalAppts”:0,           “TotalReservedSlots”:0,           “TotalAvailableSlots”:300        },        {           ”ApptType\_Dsc”:”EMPTY DROPOFF”,           “ApptType\_Cd”:”MD”,           “TotalNbrOfSlots”:200,           ”TotalAppts”:0,           “TotalReservedSlots”:0,           “TotalAvailableSlots”:200        },        {           ”ApptType\_Dsc”:”EMPTY PICKUP”,           “ApptType\_Cd”:”MP”,           “TotalNbrOfSlots”:200,           “TotalAppts”:0,           “TotalReservedSlots”:0,           “TotalAvailableSlots”:200        },        {           ”ApptType\_Dsc”:”EXPORT DROPOFF”,           “ApptType\_Cd”:”XD”,           “TotalNbrOfSlots”:300,           “TotalAppts”:1,           “TotalReservedSlots”:0,           “TotalAvailableSlots”:299        },        {           ”ApptType\_Dsc”:”EXPORT PICKUP”,           “ApptType\_Cd”:”XP”,           “TotalNbrOfSlots”:100,           “TotalAppts”:0,           “TotalReservedSlots”:0,           “TotalAvailableSlots”:100        }     ],     “TN\_ApptSlotScheduleDetails”:[        {           ”ApptSlotSchedule\_Id”:35333,           “ApptType\_Cd”:”ID”,           “ApptSlot\_Tm”:”07:00 - 17:00”,           “TotalNbrOfSlots”:100,           “TotalAppts”:0,           “TotalReservedSlots”:0,           “TotalAvailableSlots”:100        },        {           ”ApptSlotSchedule\_Id”:35330,           “ApptType\_Cd”:”IP”,           “ApptSlot\_Tm”:”07:00 - 17:00”,           “TotalNbrOfSlots”:300,           “TotalAppts”:0,           “TotalReservedSlots”:0,           “TotalAvailableSlots”:300        },        {           ”ApptSlotSchedule\_Id”:35337,           “ApptType\_Cd”:”MD”,           “ApptSlot\_Tm”:”07:00 - 17:00”,           “TotalNbrOfSlots”:200,           “TotalAppts”:0,           “TotalReservedSlots”:0,           “TotalAvailableSlots”:200        },        {           ”ApptSlotSchedule\_Id”:35336,           “ApptType\_Cd”:”MP”,           “ApptSlot\_Tm”:”07:00 - 17:00”,           “TotalNbrOfSlots”:200,           “TotalAppts”:0,           “TotalReservedSlots”:0,           “TotalAvailableSlots”:200        },        {           ”ApptSlotSchedule\_Id”:35335,           “ApptType\_Cd”:”XD”,           “ApptSlot\_Tm”:”07:00 - 17:00”,           “TotalNbrOfSlots”:300,           “TotalAppts”:1,           “TotalReservedSlots”:0,           “TotalAvailableSlots”:299        },        {           ”ApptSlotSchedule\_Id”:35334,           “ApptType\_Cd”:”XP”,           “ApptSlot\_Tm”:”07:00 - 17:00”,           “TotalNbrOfSlots”:100,           “TotalAppts”:0,           “TotalReservedSlots”:0,           “TotalAvailableSlots”:100        }  ],  “ObjUserMessagesList”:[]  } |
| Technical Approach |  |

## Get Container Availability Method

|  |  |
| --- | --- |
| Request URL | {BaseURL}/api/ MyDashboard/GetContainerAvailability |
| Request Method Type | HTTPS Post |
| Request Headers | * **Authorization:**   **JWT** eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bmlxdWVfbmFtZSI6Im1vYnRydWNrZXIiLCJuYmYiOjE1NjI1ODAzMTgsImV4cCI6MTU3Mjk0ODMxOCwiaWF0IjoxNTYyNTgwMzE4LCJpc3MiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAiLCJhdWQiOiJodHRwOi8vbG9jYWxob3N0OjMwMDAifQ.Gdpr-9a6CaD3YK0-IO7OtM0L0BYuoLqDG4DlLHtq5uM   * **Content-Type :** application/json; charset=UTF-8 * **Culture:** en/es/it |
| Requirement Details | API method to get Container Availability information |
| Request Parameters | |  |  |  |  | | --- | --- | --- | --- | | Name | Required | Data Type | Sample expected value | | Container\_Num | Yes | String | “CMAU0576388, SEGU2803741” |   Multiple container numbers accepted, delimited by coma. |
| Request Prototype | [      {         ” Container\_Num “:”CMAU0576388, SEGU2803741”   } ] |
| Response Details | |  |  |  |  | | --- | --- | --- | --- | | **TN\_MyImports** | | | | | Field Name | Column Name | Data Type | Sample expected value | | Container\_Num | Container # | String | “SEGU2803741” | | Available\_Flg | Appt Ready | String | “YES” | | Position | Yard Loc | String | “Yard Grounded (31103A.2)” | | Line\_Id | Line Operator | String | “MSC” | | BL\_Nbr | B/L # | String | “SE310413” | | Discharged | Discharge Date | String | “2019-03-20T09:30:00” | | GoodThru | Good Thru | String | “2019-03-26T00:00:00” | | Demurrage | Demurrage | String | “YES” | | Freight | Freight | String | “RELEASE” | | Customs | Customs | String | “HOLD” | | Gross\_Weight | Weight | String | “15800” | | SzTp | Equip Size | String | “20GP86” | | Hazmat\_Flg | Hazardous | String | “True” | | Haz\_Class | Haz Class | String | “6.1” | | Haz\_Un\_Num | UN Num | Number | 3349 | | Holds | Holds | String | “TRMCUS, POP$” | |  |  |  |  |   Note: Multiple holds will be return as coma delimited string   |  |  |  |  | | --- | --- | --- | --- | | **TN\_GateApptErr** | | | | | Field Name | Column Name | Data Type | Sample expected value | | Container\_Num | Container # | String | “SEGU2803741” | | GateApptErr\_Num | Err Number | Number | 140302 | | GateApptErr\_Dsc | Err Description | String | “Container in on Demurrage Hold” | | ErrSeverity\_Ind | Err Severity | Number | 2 |   Error Severity enumerator: 1 – Information; 2 – Warning; 3 - Critical |
| Response Prototype | "TN\_MyImports":[  {  "TN\_MyImports":[        {           "Container\_Num":"SEGU2803741",  "Available\_Flg":"YES",  "Position":"Yard Grounded (31103A.2)",  "Line\_Id":"MSC",  "BL\_Nbr":"SE310413",  "Discharged":"2019-03-20T09:30:00",  "GoodThru":"2019-03-26T00:00:00",  "Demurrage":"YES",  "Freight":"RELEASE",  "Customs":"HOLD",  "Gross\_Weight":"15800",  "SzTp":"20GP86",  "Hazmat\_Flg":"True",  "Haz\_Class":"6.1",  "Haz\_UN\_Num":3349  "Holds":"TRMCUS, POP$",  },  {  "Container\_Num":" CMAU0576388",  "Available\_Flg":"YES",  "Position":"Yard Grounded (31104A.2)",  "Line\_Id":"MSC",  "BL\_Nbr":"SE310413",  "Discharged":"2019-03-20T09:30:00",  "GoodThru":"2019-03-26T00:00:00",  "Demurrage":"YES",  "Freight":"RELEASE",  "Customs":"RELEASE ",  "Gross\_Weight":"15700",  "SzTp":"20GP86",  "Hazmat\_Flg":"False",  "Haz\_Class":NULL,  "Haz\_UN\_Num":NULL  "Holds":NULL,  }  ],     "ObjUserMessagesList":[]  }  "TN\_GateApptErr":[        {           "GateApptErr\_Num":140302,          "GateApptErr\_Dsc":"Container is on Demurrage Hold. If Demurrage is not paid within Terminal deadline this appointment will be cancelled.",           "ErrSeverity\_Ind":2,           "GateAppt\_Id":0,           "Container\_Num":"CMAU0576388"        },        {           "GateApptErr\_Num":140302,           "GateApptErr\_Dsc":"Container is on Demurrage Hold. If Demurrage is not paid within Terminal deadline this appointment will be cancelled.",           "ErrSeverity\_Ind":2,           "GateAppt\_Id":0,           "Container\_Num":"SEGU2803741"        }     ], |
|  |  |