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| **Test Case Name** |
| Testing Web service API registermHealthVehicle() through RestClient |

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| **Test Case ID** | TC1 | **Created By** | Charu Gupta |
| **Functional Description** | Register vehicle through Vehicle Registration Number. |  | 17-Oct -2014 |

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| **Requirements Covered** |
| Register a vehicle using the web service API registermHealthVehicle (). |

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| **Purpose of test** |
| Testing the functionality of the web-service APIs as exposed by OpenXC Data Interface. |

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| **Input Test Data** |
| Vehicle Registration Details in JSON format |

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| **Prerequisites** |
| Internet connectivity is needed from which the exposed web service can be consumed.  Motech Platform needs to be setup  Module OpenXCDataInterface needs to be added into Motech Platform  RestClient Plugin needs to be installed in browser (Mozilla/chrome).  URL : http://localhost:8080/motech-platform-server/module/OpenXCDataInterface/ registermHealthVehicle |

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| **Test Steps** |
| |  |  |  | | --- | --- | --- | | **#** | **Description** | **Expected Outcome** | | **TC1.01** | New Vehicle Registration Number | Returns newly created vehicle id and response message “Y” as Json | | **TC1.02** | Vehicle Registration Number Already Exist | Returns vehicle id for that Registration Number and response message “E” as Json | | **TC1.03** | Exception occurred | Returns error message “Exception Occurred” and response message “N” as Json | |
| **Actual Outcome** |
| |  |  | | --- | --- | | **TC1.01** | A message is displayed : { "vehicleId": "100004", "errorMsg": "", "responseMsg": "Y"} | | **TC1.02** | A message is displayed : { "vehicleId": "100004", "errorMsg": "", "responseMsg": "E"} | | **TC1.03** | A message is displayed : { "vehicleId": "", "errorMsg": "Exception Occurred",  "responseMsg": "N"} | |

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| **Results** |
| |  |  |  |  | | --- | --- | --- | --- | | **#** | **Date Run** | **Run By** | **Results** | | **TC1.01** | 17.10.2014 | Charu Gupta | C:\Users\charu_g\Desktop\Screenshot for registervehicle1.png | | | **Actual Output:** "{ "vehicleId": "100004", "errorMsg": "", "responseMsg": "Y"}" | | | **TC1.02** | 17.10.2014 | Charu Gupta | C:\Users\charu_g\Desktop\Screenshot for registervehicle2.png | | | **Actual Output:** "{ "vehicleId": "100004", "errorMsg": "", "responseMsg": "E"}" | | | **TC1.03** | 17.10.2014 | Charu Gupta | **C:\Users\charu_g\Desktop\Screenshot for registervehicle3.png** | | | **Actual Output:** "{ "vehicleId": "", "errorMsg": "Exception Occurred", "responseMsg": "N"}" | | |

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| **Test Case Name** |
| Testing Web service API getRegisteredmHealthVehicleList () through RestClient |

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| **Test Case ID** | TC2 | **Created By** | Charu Gupta |
| **Functional Description** | Get the list of all registered vehicles |  | 17-Oct -2014 |

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| **Requirements Covered** |
| Displaying the list of all the registered vehicles using the web service exposed API getRegisteredmHealthVehicleList (). |

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| **Purpose of test** |
| Testing the functionality of the web-service APIs as exposed by OpenXC Data Interface. |

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| **Input Test Data** |
| No input data required |

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| **Prerequisites** |
| Internet connectivity is needed from which the exposed web service can be consumed.  Motech Platform needs to be setup  Module OpenXCDataInterface needs to be added into Motech Platform  RestClient Plugin needs to be installed in browser (Mozilla/chrome).  URL : http://localhost:8080/motech-platform-server/module/OpenXCDataInterface/ getRegisteredmHealthVehicleList |

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| **Test Steps** |
| |  |  |  | | --- | --- | --- | | **#** | **Description** | **Expected Outcome** | | **TC2.01** | Registered vehicles’ list exist | Returns registered vehicle list as JsonArray | | **TC2.02** | No Registered vehicles exists in the database | Returns message “No Record Found” as a String | | **TC2.03** | Exception occurred | Returns message “Exception Occurred while fetching Records” as a String | |
| **Actual Outcome** |
| |  |  | | --- | --- | | **TC2.01** | Displays all registered vehicle list | | **TC2.02** | A message is displayed : No Record Found | | **TC2.03** | A message is displayed : Exception Occurred while fetching Records | |

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| **Results** |
| |  |  |  |  | | --- | --- | --- | --- | | **#** | **Date Run** | **Run By** | **Results** | | **TC2.01** | 17.10.2014 | Charu Gupta | C:\Users\charu_g\Desktop\Screenshot for registeredvehiclelist.png | | **Actual Output:** [{"vehicleId":100001,"vehRegnNo":"DL1234","vehChasisNo":"123","vehMake":"FIAT","vehModel":"PALIO","contactNo":"1234567890","emailId":"[abc@xyz.com](mailto:abc@xyz.com)","registeredOn":"17/10/2014"},  {"vehicleId":100002,"vehRegnNo":"DL1234","vehChasisNo":"DL/567AKK","vehMake":"2012","vehModel":"Tata","contactNo":"12345\_67890","emailId":"[aa@bb.com](mailto:aa@bb.com)","registeredOn":"17/10/2014"},  {"vehicleId":100003,"vehRegnNo":"DL5678","vehChasisNo":"DL/567AKK","vehMake":"2012","vehModel":"Tata","contactNo":"12345\_67890","emailId":"[aa@bb.com](mailto:aa@bb.com)","registeredOn":"17/10/2014"},  {"vehicleId":100004,"vehRegnNo":"MH5678","vehChasisNo":"DL/567AKK","vehMake":"2012","vehModel":"Tata","contactNo":"12345\_67890","emailId":"[aa@bb.com](mailto:aa@bb.com)","registeredOn":"17/10/2014"}] | | **TC2.02** | 17.10.2014 | Charu Gupta | C:\Users\charu_g\Desktop\Screenshot for registeredvehiclelist2.png | | **Actual Output:** " No Record Found " | | **TC2.03** | 17.10.2014 | Charu Gupta | C:\Users\charu_g\Desktop\Screenshot for registeredvehiclelist3.png | | **Actual Output:** " Exception Occurred while fetching Records " | |

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| **Test Case Name** |
| Testing Web service API getmHealthVehicleId () through RestClient |

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| **Test Case ID** | TC3 | **Created By** | Charu Gupta |
| **Functional Description** | Get registered vehicle ID through vehicle registration No |  | 17-Oct -2014 |

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| **Requirements Covered** |
| Get registered vehicle ID using the web service exposed API getmHealthVehicleId (). |

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| **Purpose of test** |
| Testing the functionality of the web-service APIs as exposed by OpenXC Data Interface. |

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| **Input Test Data** |
| Vehicle Registration No |

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| **Prerequisites** |
| Internet connectivity is needed from which the exposed web service can be consumed.  Motech Platform needs to be setup  Module OpenXCDataInterface needs to be added into Motech Platform  RestClient Plugin needs to be installed in browser (Mozilla/chrome).  URL : http://localhost:8080/motech-platform-server/module/ OpenXCDataInterface / getmHealthVehicleId /{ vehicleRegistrationNo } |

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| **Test Steps** |
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| **Actual Outcome** |
| |  |  | | --- | --- | | **TC3.01** | Displays Vehicle ID as JsonArray | | **TC3.02** | A message is displayed : Vehicle Registration Number not found | | **TC3.03** | A message is displayed : Exception Occurred | |

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| **Results** |
| |  |  |  |  | | --- | --- | --- | --- | | **#** | **Date Run** | **Run By** | **Results** | | **TC3.01** | 17.10.2014 | Charu Gupta | C:\Users\shiv_si\Desktop\Screenshot for getvehicleid1.png | | **Actual Output:**  {"vehicleId":100002} | | **TC3.02** | 17.10.2014 | Charu Gupta | C:\Users\shiv_si\Desktop\Screenshot for getvehicleid2.png | | **Actual Output:** " Vehicle Registration Number not found " | | **TC3.03** | 17.10.2014 | Charu Gupta | C:\Users\shiv_si\Desktop\Screenshot for getvehicleid3.png | | **Actual Output:** " Exception Occurred " | |

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| **Test Case Name** |
| Testing Web service API getmHealthVehicleLocation () through RestClient |

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| **Test Case ID** | TC4 | **Created By** | Charu Gupta |
| **Functional Description** | Get current location of a vehicle through Vehicle ID |  | 17-Oct -2014 |

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| **Requirements Covered** |
| Get current location of a vehicle using the web service exposed API getmHealthVehicleLocation(). |

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| **Purpose of test** |
| Testing the functionality of the web-service APIs as exposed by OpenXC Data Interface. |

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| **Input Test Data** |
| Vehicle ID |

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| **Prerequisites** |
| Internet connectivity is needed from which the exposed web service can be consumed.  Motech Platform needs to be setup  Module OpenXCDataInterface needs to be added into Motech platform  RestClient Plugin needs to be installed in browser (Mozilla/chrome).  URL : http://localhost:8080/motech-platform-server/module/OpenXCDataInterface/ getmHealthVehicleLocation /{vehicleId} |

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| **Test Steps** |
| |  |  |  | | --- | --- | --- | | **#** | **Description** | **Expected Outcome** | | **TC4.01** | Vehicle ID exists | Returns current location of a vehicle as Json | | **TC4.02** | Vehicle ID does not exist | Returns Message “Vehicle ID not Found” as a String | | **TC4.03** | Exception occurred | Returns Message “Exception Occurred while fetching Records” as a String | |
| **Actual Outcome** |
| |  |  | | --- | --- | | **TC4.01** | Displays current location of a vehicle as JsonArray | | **TC4.02** | A message is displayed : Vehicle ID not Found | | **TC4.03** | A message is displayed : Exception Occurred while fetching Records | |
| **Results** |
| |  |  |  |  | | --- | --- | --- | --- | | **#** | **Date Run** | **Run By** | **Results** | | **TC4.01** | 17.10.2014 | Charu Gupta | C:\Users\charu_g\Desktop\Screenshot for vehiclelocationbyvehicleid1.png | | **Actual Output:**  {"latitude":"111","longitude":"2222","address":"noida"} | | **TC4.02** | 17.10.2014 | Charu Gupta | C:\Users\charu_g\Desktop\Screenshot for vehiclelocationbyvehicleid2.png | | **Actual Output:** " Vehicle ID not Found " | | **TC4.03** | 17.10.2014 | Charu Gupta | C:\Users\charu_g\Desktop\Screenshot for vehiclelocationbyvehicleid3.png | | **Actual Output:** " Exception Occurred while fetching Records " | |

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| **Test Case Name** |
| Testing Web service API getAllmHealthVehiclesLocation() through RestClient |

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| **Test Case ID** | TC5 | **Created By** | Charu Gupta |
| **Functional Description** | Get the list of all vehicle locations |  | 17-Oct -2014 |

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| **Requirements Covered** |
| Get the list of all vehicle locations using the web service exposed API getAllmHealthVehiclesLocation(). |

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| **Purpose of test** |
| Testing the functionality of the web-service APIs as exposed by OpenXC Data Interface. |

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| **Input Test Data** |
| No input data required |

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| **Prerequisites** |
| Internet connectivity is needed from which the exposed web service can be consumed.  Motech platform needs to be setup  Module OpenXCDataInterface needs to be added into Motech platform  RestClient Plugin needs to be installed in browser (Mozilla/chrome).  URL : http://localhost:8080/motech-platform-server/module/OpenXCDataInterface/ getAllmHealthVehiclesLocation |

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| **Test Steps** |
| |  |  |  | | --- | --- | --- | | **#** | **Description** | **Expected Outcome** | | **TC5.01** | All vehicle locations | Returns vehicle locations list as JsonArray | | **TC5.02** | No vehicle location details exists in the database. | Returns Message “No Record Found” as a String | | **TC5.03** | Exception occurred | Returns Message “Exception Occurred while fetching Records” as a String | |
| **Actual Outcome** |
| |  |  | | --- | --- | | **TC5.01** | Displays vehicle locations list as Json Array | | **TC5.02** | A message is displayed : No Record Found | | **TC5.03** | A message is displayed : Exception Occurred while fetching Records | |

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| **Results** |
| |  |  |  |  | | --- | --- | --- | --- | | **#** | **Date Run** | **Run By** | **Results** | | **TC5.01** | 17.10.2014 | Charu Gupta | C:\Users\charu_g\Desktop\Screenshot for allvehiclelocation1.png | | **Actual Output:**  [{"vehicleId":10001,"latitude":"111","longitude":"2222","address":"noida"},  [{"vehicleId":10002,"latitude":"111","longitude":"2222","address":"gurgaon"}] | | **TC5.02** | 17.10.2014 | Charu Gupta | C:\Users\charu_g\Desktop\Screenshot for allvehiclelocation2.png | | **Actual Output:** " No Record Found " |  |  |  |  |  | | --- | --- | --- | --- | | **TC5.03** | 17.10.2014 | Charu Gupta | C:\Users\charu_g\Desktop\Screenshot for allvehiclelocation3.png | | **Actual Output:** " Exception Occurred while fetching Records " | |

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| **Test Case Name** |
| Testing Web service API getmHealthVehicleRoute() through RestClient |

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| **Test Case ID** | TC6 | **Created By** | Charu Gupta |
| **Functional Description** | Tracking the vehicle traversed route for given vehicle. |  | 17-Oct -2014 |

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| **Requirements Covered** |
| Vehicle traversed route is displayed in latitude and longitude using the web service exposed API getmHealthVehicleRoute (). |

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| **Purpose of test** |
| Testing the functionality of the web-service APIs as exposed by OpenXC Data Interface. |

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| **Input Test Data** |
| Vehicle ID |

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| **Prerequisites** |
| Internet connectivity is needed from which the exposed web service can be consumed.  Motech platform needs to be setup  Module OpenXCDataInterface needs to be added into Motech platform  RestClient Plugin needs to be installed in browser (Mozilla/chrome).  URL : http://localhost:8080/motech-platform-server/module/OpenXCDataInterface/ getmHealthVehicleRoute /{vehicleId} |

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| **Test Steps** |
| |  |  |  | | --- | --- | --- | | **#** | **Description** | **Expected Outcome** | | **TC6.01** | Vehicle traversed route | Returns Vehicle route in latitude, longitude as Json Array | | **TC6.02** | Vehicle ID does not exists in the database. | Returns Message “Vehicle Id not Found” as a String | | **TC6.03** | Exception occurred | Returns Message “Exception Occurred while fetching Records” as a String | |
| **Actual Outcome** |
| |  |  | | --- | --- | | **TC6.01** | Vehicle route will be displayed in latitude, longitude as Json Array | | **TC6.02** | A message is displayed : Vehicle Id not Found | | **TC6.03** | A message is displayed : Exception Occurred while fetching Records | |

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| **Results** |
| |  |  |  |  | | --- | --- | --- | --- | | **#** | **Date Run** | **Run By** | **Results** | | **TC6.01** | 17.10.2014 | Charu Gupta | C:\Users\charu_g\Desktop\Screenshot for vehicleroutebyvehicleid1.png | | **Actual Output:**  [{"vehicleId":10004,"latitude":"111","longitude":"2222","address":"noida"},  [{"vehicleId":10004,"latitude":"111","longitude":"2222","address":"noida"},  [{"vehicleId":10004,"latitude":"111","longitude":"2222","address":"noida"},  [{"vehicleId":10004,"latitude":"111","longitude":"2222","address":"noida"}] | | **TC6.02** | 17.10.2014 | Charu Gupta | C:\Users\charu_g\Desktop\Screenshot for vehicleroutebyvehicleid2.png | | **Actual Output:** " Vehicle Id not Found " |  |  |  |  |  | | --- | --- | --- | --- | | **TC6.03** | 17.10.2014 | Charu Gupta | C:\Users\charu_g\Desktop\Screenshot for vehicleroutebyvehicleid3.png | | **Actual Output:** " Exception Occurred while fetching Records " | |

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| **Test Case Name** |
| Testing Web service API uploadmHealthVehicleData() through RestClient |

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| **Test Case ID** | TC7 | **Created By** | Charu Gupta |
| **Functional Description** | Upload longitude ,latitude, vehicle speed |  | 17-Oct -2014 |

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| **Requirements Covered** |
| Upload vehicle location parameters and vehicle speed through uploadVehicleData () method of web service. |

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| **Purpose of test** |
| Testing the functionality of the web-service APIs as exposed by OpenXC Data Interface. |

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| **Input Test Data** |
| Vehicle location details in JSON format. |

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| **Prerequisites** |
| Internet connectivity is needed from which the exposed web service can be consumed.  Motech Platform needs to be setup  Module OpenXCDataInterface needs to be added into Motech platform  RestClient Plugin needs to be installed in browser (Mozilla/chrome).  Mapping web service is needed which can fetch address based on latitude and longitude  URL : http://localhost:8080/motech-platform-server/module/OpenXCDataInterface/ uploadmHealthVehicleData |

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| **Test Steps** |
| |  |  |  | | --- | --- | --- | | **#** | **Description** | **Expected Outcome** | | **TC7.01** | Uploaded longitude, latitude, vehicle speed successfully. | Returns “Y” in response as Json | | **TC7.02** | Vehicle Id does not Exist in the database. | Returns “NE” in response as Json Array | | **TC7.03** | Exception occurred | Returns “N” in response and error message “Exception Occurred” as Json Array | |
| **Actual Outcome** |
| |  |  | | --- | --- | | **TC7.01** | A message is displayed : { "errorMsg": "", "responseMsg": "Y"} | | **TC7.02** | A message is displayed : { "errorMsg": "", "responseMsg": "NE"} | | **TC7.03** | A message is displayed : { "errorMsg": "Exception Occurred", "responseMsg": "N"} | |

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| **Results** |
| |  |  |  |  | | --- | --- | --- | --- | | **#** | **Date Run** | **Run By** | **Results** | | **TC7.01** | 17.10.2014 | Charu Gupta | C:\Users\charu_g\Desktop\Screenshot for uploadvehicledata1.png | | **Actual Output:**  { "errorMsg": "", "responseMsg": "Y"} | | **TC7.02** | 17.10.2014 | Charu Gupta | C:\Users\charu_g\Desktop\Screenshot for uploadvehicledata2.png | | **Actual Output:** { "errorMsg": "", "responseMsg": "NE"} |  |  |  |  |  | | --- | --- | --- | --- | | **TC7.03** | 17.10.2014 | Charu Gupta | C:\Users\charu_g\Desktop\Screenshot for uploadvehicledata3.png | | **Actual Output:** { "errorMsg": "", "responseMsg": "N"} | |