Document Properties

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| **Document/Part Number** | **Document Type** | **Feature Description** |
|  | Feature Document | *tiwiPro Reports Tab Paginated Tables* |

Revision History

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| --- | --- | --- | --- |
| **Revision No.** | **Revisions Made** | **Author** | **Date** |
| **1.0** | Initial Draft | *Colleen Jennings* | *02/22/10* |

# Overview

*This document* describes the *tables in the current tiwiPro portal Reports tab that need to support pagination and the new hessian methods that are needed to implement this.*

# Hessian

**Drivers**

***getDriverReportPage(groupID, pageParamMap)***

Fetches a page of driver report items in this group and its subgroups with the specified page criteria. The timeframe is the past 12 months.

Returns a list of driverReportItemMap, or an Integer error.

***getDriverReportTotalCount(groupID, List<FilterMap>)***

Fetches a count of driver report items in this group and its subgroups, for the past 12 months timeframe and the specified filters

Returns a map[count], or an Integer error.

**driverReportItemMap:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Type** | **Description** | **Filterable** | **Sortable** |
| groupName | String | Base group name without hierarchy | **\*** | **\*** |
| groupID | Integer |  |  |  |
| employeeID | String | Employee ID (from Person record – can be blank) | **\*** | **\*** |
| driverName | String | First M Last suffix from driver’s person record | **\*** | **\*** |
| driverID | Integer |  |  |  |
| vehicleName | String | Name field in vehicle record | **\*** | **\*** |
| vehicleID | Integer |  |  |  |
| milesDriven | Long | Miles driven in 1/100 mile units. | **\* (range)** | **\*** |
| overallScore | Integer | 0 – 50 | **\* (range)** | **\*** |
| speedScore | Integer | 0 – 50 | **\* (range)** | **\*** |
| styleScore | Integer | 0 – 50 | **\* (range)** | **\*** |
| seatbeltScore | Integer | 0 – 50 | **\* (range)** | **\*** |

**Vehicles**

***getVehicleReportPage(groupID, pageParamMap)***

Fetches a page of vehicle report items in this group and its subgroups with the specified page criteria. The timeframe is the past 12 months.

Returns a list of vehicleReportItemMap, or an Integer error.

***getVehicleReportTotalCount(groupID, List<FilterMap>)***

Fetches a count of vehicle report items in this group and its subgroups, for the past 12 months timeframe and the specified filters

Returns a map[count], or an Integer error.

**vehicleReportItemMap:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Type** | **Description** | **Filterable** | **Sortable** |
| groupName | String | Base group name without hierarchy | **\*** | **\*** |
| groupID | Integer |  |  |  |
| driverName | String | First M Last suffix from driver’s person record | **\*** | **\*** |
| driverID | Integer |  |  |  |
| vehicleName | String | Name field in vehicle record | **\*** | **\*** |
| vehicleMMY | String | Vehicle Make, Model, Year in this format:  Make/Model/Year – any/all of the 3 fields can be blank | **\*** | **\*** |
| vehicleID | Integer |  |  |  |
| milesDriven | Long | Miles driven in 1/100 mile units. | **\* (range)** | **\*** |
| odometer | Long | Vehicle odometer |  | **\*** |
| overallScore | Integer | 0 – 50 | **\* (range)** | **\*** |
| speedScore | Integer | 0 – 50 | **\* (range)** | **\*** |
| styleScore | Integer | 0 – 50 | **\* (range)** | **\*** |

**Idling**

***getIdlingReportPage(groupID, start, stop, pageParamMap)***

Fetches a page of idling report items in this group and its subgroups with the specified page criteria. The timeframe is the specified by start, stop (gmt timezone) params and is limited to a max of 30 days back.

Returns a list of idlingReportItemMap, or an Integer error.

***getIdlingReportTotalCount(groupID, start, stop, List<FilterMap>)***

Fetches a count of idling report items in this group and its subgroups, for the specified filters. The timeframe is the specified by start, stop (gmt timezone) params and is limited to a max of 30 days back

Returns a map[count], or an Integer error.

**idlingReportItemMap:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Type** | **Description** | **Filterable** | **Sortable** |
| groupName | String | Base group name without hierarchy | **\*** | **\*** |
| groupID | Integer |  |  |  |
| driverName | String | First M Last suffix from driver’s person record | **\*** | **\*** |
| driverID | Integer |  |  |  |
| driveTime | Long | Seconds | **\* (range)** | **\*** |
| lowIdleTime | Long | Seconds | **\* (range)** | **\*** |
| highIdleTime | Long | Seconds | **\* (range)** | **\*** |
|  |  |  |  |  |
|  |  |  |  |  |

**Devices**

***getDeviceReportPage(groupID, pageParamMap)***

Fetches a page of device report items in this group and its subgroups with the specified page criteria.

Returns a list of deviceReportItemMap, or an Integer error.

***getDeviceReportTotalCount(groupID, List<FilterMap>)***

Fetches a count of device report items in this group and its subgroups, using the specified filters

Returns a map[count], or an Integer error.

**deviceReportItemMap:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Type** | **Description** | **Filterable** | **Sortable** |
| deviceName | String | Device name | **\*** | **\*** |
| vehicleID | Integer | Vehicle ID currently assigned to device (optional) |  |  |
| vehicleName | String | Name of vehicle currently assigned to this device (optional) | **\*** | **\*** |
| deviceIMEI | String | IMEI of device | **\*** | **\*** |
| devicePhone | String | Phone number of device (digits only) | **\*** | **\*** |
| deviceStatus | Integer | 0 – NEW  1 – ACTIVE  2 - INACTIVE  3 – DELETED | **\*** | **\*** |
| deviceEPhone | String | EPhone number assigned to device (digits only) | **\*** | **\*** |

**pageParamMap:**

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Type** | **Description** |
| startRow | Integer | first row to fetch (0 based index) |
| endRow | Integer | last row to fetch (0 based index) |
| sort | SortMap | field to sort on and direction to sort (asc/desc) |
| filterList | List<FitlerMap> | fields to filter on and filter criteria |

**sortMap:**

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Type** | **Description** |
| field | String | Field name – must match field name in return object map |
| order | Integer | 0 ascending, 1 descending |

**filterMap:**

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Type** | **Description** |
| field | String | Field name – must match field name in return object map |
| filter | String, Integer, Long, Boolean or RangeMap | Type depends on type stored in ‘field’   * For strings do a sql <field> like ‘%<filter>%> * For numbers do a sql <field> = <filter> |

**rangeMap:**

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Type** | **Description** |
| min | Long | Minimum value that matches (inclusive, i.e. >= min) – can be missing from map in which case only max is compared |
| max | Long | Maximum value that matches (exclusive i.e < max) – can be missing from map in which case only min is compared |