Contents

[01. Lane User Details API: 2](#_Toc75778618)

[02. Plaza Details API: 2](#_Toc75778619)

[03. All Lane Details API: 3](#_Toc75778620)

[04. Lane Details API: 4](#_Toc75778621)

[05. Hardware Provider Details API: 5](#_Toc75778622)

[06. Hardware Type Details API: 5](#_Toc75778623)

[07. Lane Hardware Details API: 6](#_Toc75778624)

[08. Vehicle Class Details API: 7](#_Toc75778625)

[09. Toll Fare Details API: 8](#_Toc75778626)

[10. Transaction Type Details API: 9](#_Toc75778627)

[11. Exempt Type Details API: 9](#_Toc75778628)

[12. Payment Type Details API: 10](#_Toc75778629)

[13. Shift Timming Details API: 10](#_Toc75778630)

[14. Entry Lane Transcation API: 11](#_Toc75778631)

[15. Exit Lane Transcation API: 12](#_Toc75778632)

[16. Validate Toll Fare Transcation API: 13](#_Toc75778633)

[17. Get Entry Lane Transcation API: 14](#_Toc75778634)

[18. Lane Operator Activity : 15](#_Toc75778635)

[19. Live Status Events : 16](#_Toc75778636)

[20. Live System Events : 16](#_Toc75778637)

[21. Live System Transaction Events : 17](#_Toc75778638)

[22. Live System AVC Transaction Events : 18](#_Toc75778639)

[23. Lane Operator Access Events : 18](#_Toc75778640)

[24. Lane Operator Exempt Transcation Access Events: 19](#_Toc75778641)

[25. Denomination Details API: 19](#_Toc75778642)

[26. Lane Mid Clearance: 20](#_Toc75778643)

# 01. Lane User Details API:

Http URL :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | **Remark** | |
| Method | **HTTP GET** |  |
| Port | **8086** |  |
| Format | **JSON** |  |
| Base Path | **http://<ip\_address>:port/** |  |
| API Path | **Softomation/Toll360-CloseToll/Lane/GetLaneUsersDetails** |  |

Output JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ResponceMessage | String | success/failed |
| ResponceData | List<User> | On success list will shared, on failed it will null |

List<User> Format

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| LoginId | String |  |
| LoginPassword | String |  |
| FirstName | String |  |
| LastName | String |  |
| EmailId | String |  |
| MobileNumber | String |  |
| AccountExpiredDate | Date |  |
| ClientName | String |  |
| EntryId | Int64(long) | Primary Key |
| ClientId | Int16(short) |  |
| PlazaId | Int16(short) |  |
| DataStatus | Int16(short) | 1-Active, 2- Inactive |

Note: Please ignore rest field that coming in response

# 02. Plaza Details API:

Http URL :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | **Remark** | |
| Method | **HTTP GET** |  |
| Port | **8086** |  |
| Format | **JSON** |  |
| Base Path | **http://<ip\_address>:port/** |  |
| API Path | **Softomation/Toll360-CloseToll/Lane/GetPlazaDetails** |  |

Output JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ResponceMessage | String | success/failed |
| ResponceData | PlazaDetails | On success list will shared, on failed it will null |

PlazaDetails Format

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| PlazaServerIpAddress | String |  |
| PlazaName | String | 1-Entry, 2-Exit |
| ClientName | String |  |
| EntryId | Int64(long) | Primary Key (Plaza Id) |
| ClientId | Int16(short) |  |
| DataStatus | Int16(short) | 1-Active, 2- Inactive |

Note: Please ignore rest field that coming in response

# 03. All Lane Details API:

Http URL :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | **Remark** | |
| Method | **HTTP GET** |  |
| Port | **8086** |  |
| Format | **JSON** |  |
| Base Path | **http://<ip\_address>:port/** |  |
| API Path | **Softomation/Toll360-CloseToll/Lane/GetLaneDetails** |  |

Output JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ResponceMessage | String | success/failed |
| ResponceData | List<Lane> | On success list will shared, on failed it will null |

List<Lane> Format

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| LaneNumber | Int16(short) |  |
| LaneTypeId | Int16(short) | 1-Entry, 2-Exit |
| LaneForId | Int16(short) | 1-Hybrid, 2-Dedicated/FASTag |
| LaneDirection | Int16(short) | 1-Up, 2-Down |
| LaneName | String |  |
| LaneIP | String |  |
| ClientName | String |  |
| EntryId | Int64(long) | Primary Key |
| ClientId | Int16(short) |  |
| PlazaId | Int16(short) |  |
| DataStatus | Int16(short) | 1-Active, 2- Inactive |

Note: Please ignore rest field that coming in response

# 04. Lane Details API:

Http URL :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | **Remark** | |
| Method | **HTTP POST** |  |
| Port | **8086** |  |
| Format | **JSON** |  |
| Base Path | **http://<ip\_address>:port/** |  |
| API Path | **Softomation/Toll360-CloseToll/Lane/GetLaneDetails** |  |

Input JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ClientId | Int16(short) |  |
| PlazaId | Int16(short) |  |
| LaneNumber | Int16(short) |  |

Output JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ResponceMessage | String | success/failed |
| ResponceData | Lane Details | On success list will shared, on failed it will null |

Lane Details Format

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| LaneNumber | Int16(short) |  |
| LaneTypeId | Int16(short) | 1-Entry, 2-Exit |
| LaneForId | Int16(short) | 1-Hybrid, 2-Dedicated/FASTag |
| LaneDirection | Int16(short) | 1-Up, 2-Down |
| LaneName | String |  |
| LaneIP | String |  |
| ClientName | String |  |
| EntryId | Int64(long) | Primary Key |
| ClientId | Int16(short) |  |
| PlazaId | Int16(short) |  |
| DataStatus | Int16(short) | 1-Active, 2- Inactive |

Note: Please ignore rest field that coming in response

# 05. Hardware Provider Details API:

Http URL :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | **Remark** | |
| Method | **HTTP GET** |  |
| Port | **8086** |  |
| Format | **JSON** |  |
| Base Path | **http://<ip\_address>:port/** |  |
| API Path | **Softomation/Toll360-CloseToll/Lane/GetHardwareProvider** |  |

Output JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ResponceMessage | String | success/failed |
| ResponceData | List<HardwareProvider> | On success list will shared, on failed it will null |

List<HardwareProvider> Format

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| HardwareProviderId | Int16(short) | Primary Key |
| HardwareProviderName | String |  |
| DataStatus | Int16(short) | 1-Active, 2- Inactive |

Note: Please ignore rest field that coming in response

# 06. Hardware Type Details API:

Http URL :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | **Remark** | |
| Method | **HTTP GET** |  |
| Port | **8086** |  |
| Format | **JSON** |  |
| Base Path | **http://<ip\_address>:port/** |  |
| API Path | **Softomation/Toll360-CloseToll/Lane/GetByHardwareType** |  |

Output JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ResponceMessage | String | success/failed |
| ResponceData | List<HardwareType> | On success list will shared, on failed it will null |

List<HardwareType> Format

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| HardwareTypeId | Int16(short) | Primary Key |
| HardwareType | String |  |
| DataStatus | Int16(short) | 1-Active, 2- Inactive |

Note: Please ignore rest field that coming in response

# 07. Lane Hardware Details API:

Http URL :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | **Remark** | |
| Method | **HTTP POST** |  |
| Port | **8086** |  |
| Format | **JSON** |  |
| Base Path | **http://<ip\_address>:port/** |  |
| API Path | **Softomation/Toll360-CloseToll/Lane/GetLaneHardwareDetails** |  |

Input JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ClientId | Int16(short) |  |
| PlazaId | Int16(short) |  |
| LaneNumber | Int16(short) |  |

Output JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ResponceMessage | String | success/failed |
| ResponceData | List<Hardware> | On success list will shared, on failed it will null |

List<Hardware> Format

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| HardwareName | String |  |
| HardwareTypeId | Int16(short) | Check Hardware Type API |
| HardwareProviderId | Int16(short) | Check Hardware Provider API |
| ConnectionTypeId | Int16(short) | 1- Network, 2- COM, 3- Other/None |
| ConnectionAddress | String | IP/Com/Blank |
| Port | Int16(short) | 0 or Value |
| UserName | String |  |
| Password | String |  |
| ClientName | String |  |
| EntryId | Int64(long) | Primary Key |
| ClientId | Int16(short) |  |
| PlazaId | Int16(short) |  |
| DataStatus | Int16(short) | 1-Active, 2- Inactive |

Note: Please ignore rest field that coming in response

# ­08. Vehicle Class Details API:

Http URL :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | **Remark** | |
| Method | **HTTP GET** |  |
| Port | **8086** |  |
| Format | **JSON** |  |
| Base Path | **http://<ip\_address>:port/** |  |
| API Path | **Softomation/Toll360-CloseToll/Lane/GetVehicleClassDetails** |  |

Output JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ResponceMessage | String | success/failed |
| ResponceData | List<VehicleClass> | On success list will shared, on failed it will null |

List<VehicleClass> Format

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ClassId | Int16(short) | Primary Key |
| ClassName | String |  |
| ClassDescription | String |  |
| VehicleWeight | Decimal | UP TO 3 Place |
| DataStatus | Int16(short) | 1-Active, 2- Inactive |

Note: Please ignore rest field that coming in response

# 09. Toll Fare Details API:

Http URL :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | **Remark** | |
| Method | **HTTP POST** |  |
| Port | **8086** |  |
| Format | **JSON** |  |
| Base Path | **http://<ip\_address>:port/** |  |
| API Path | **Softomation/Toll360-CloseToll/Lane/GetTollFareDetails** |  |

Input JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| EffectiveDate | String | Format: dd-MMM-yyyy (12-May-2021) |

Output JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ResponceMessage | String | success/failed |
| ResponceData | Fare | On success list will shared, on failed it will null |

Fare Format

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| EffectiveDate | Date |  |
| List<FareDetails> | List |  |

List<FareDetails> Format

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ClassId | Int16(short) |  |
| ClassName | String |  |
| TollFare | Decimal | UP TO 2 Place |
| ReturnFare | Decimal | UP TO 2 Place |
| PenaltyFare | Decimal | UP TO 2 Place |
| OverWeightFare | Decimal | UP TO 2 Place |
| EntryPlazaId | Int16(short) | Source Plaza Id |
| ExitPlazaId | Int16(short) | Destination Plaza Id |

Note: Please ignore rest field that coming in response

# 10. Transaction Type Details API:

Http URL :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | **Remark** | |
| Method | **HTTP GET** |  |
| Port | **8086** |  |
| Format | **JSON** |  |
| Base Path | **http://<ip\_address>:port/** |  |
| API Path | **Softomation/Toll360-CloseToll/Lane/GetTransactionTypeDetails** |  |

Output JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ResponceMessage | String | success/failed |
| ResponceData | List<TransactionType> | On success list will shared, on failed it will null |

List<TransactionType> Format

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| EntryId | Int16(short) | Primary Key |
| TransactionTypeName | String |  |
| DataStatus | Int16(short) | 1-Active, 2- Inactive |

Note: Please ignore rest field that coming in response

# 11. Exempt Type Details API:

Http URL :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | **Remark** | |
| Method | **HTTP GET** |  |
| Port | **8086** |  |
| Format | **JSON** |  |
| Base Path | **http://<ip\_address>:port/** |  |
| API Path | **Softomation/Toll360-CloseToll/Lane/GetExemptTypeDetails** |  |

Output JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ResponceMessage | String | success/failed |
| ResponceData | List<ExemptType> | On success list will shared, on failed it will null |

List<ExemptType> Format

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| EntryId | Int16(short) | Primary Key |
| ExemptTypeName | String |  |
| DataStatus | Int16(short) | 1-Active, 2- Inactive |

Note: Please ignore rest field that coming in response

# 12. Payment Type Details API:

Http URL :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | **Remark** | |
| Method | **HTTP GET** |  |
| Port | **8086** |  |
| Format | **JSON** |  |
| Base Path | **http://<ip\_address>:port/** |  |
| API Path | **Softomation/Toll360-CloseToll/Lane/GetPaymentTypeDetails** |  |

Output JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ResponceMessage | String | success/failed |
| ResponceData | List<PaymentType> | On success list will shared, on failed it will null |

List<PaymentType > Format

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| EntryId | Int16(short) | Primary Key |
| PaymentTypeName | String |  |
| DataStatus | Int16(short) | 1-Active, 2- Inactive |

Note: Please ignore rest field that coming in response

# 13. Shift Timming Details API:

Http URL :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | **Remark** | |
| Method | **HTTP GET** |  |
| Port | **8086** |  |
| Format | **JSON** |  |
| Base Path | **http://<ip\_address>:port/** |  |
| API Path | **Softomation/Toll360-CloseToll/Lane/GetShiftDetails** |  |

Output JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ResponceMessage | String | success/failed |
| ResponceData | List<Shift> | On success list will shared, on failed it will null |

List<Shift> Format

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| EntryId | Int16(short) | Primary Key |
| StartTimmng | String | 08:00:00 |
| EndTimming | String | 15:59:59 |
| DataStatus | Int16(short) | 1-Active, 2- Inactive |

Note: Please ignore rest field that coming in response

# 14. Entry Lane Transcation API:

Http URL :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | **Remark** | |
| Method | **HTTP POST** |  |
| Port | **8086** |  |
| Format | **JSON** |  |
| Base Path | **http://<ip\_address>:port/** |  |
| API Path | **Softomation/Toll360-CloseToll/Lane/EntryLane** |  |

Input JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| LaneTransId | Int64(long) | Lane Trans Id |
| ClientId | Int16(short) |  |
| PlazaId | Int16(short) |  |
| LaneNumber | Int16(short) |  |
| LaneType | Int16(short) | 1-Entry |
| LaneUsed | Int16(short) | 1-Hybrid, 2-Dedicated/FASTag |
| ShiftId | Int16(short) | Current Shift Id |
| TCUserId | Int64(long) | TC Logged User Id |
| PlateNumber | String | Vehicle plate number |
| MappingClassId | Int16(short) | Operator Selected Class Id |
| AvcClassId | Int16(short) | AVC Class Id |
| TransactionTypeId | Int16(short) | Check Trans Type API |
| PaymentTypeId | Int16(short) | TransactionTypeId is 2 then Check Payment Type API else it will be 0 |
| ExemptTypeId | Int16(short) | TransactionTypeId is 5 then Check exempt Type API else it will be 0 |
| ReferenceNumber | String | Cash Receipt Number/FastTag value |
| TransactionAmount | Decimal | 0 |
| ReferenceTransactionId | Int64(long) | 0 |
| JourneyType | Int16(short) | 0 |
| TransactionTimeStamp | String | dd-MMM-yyyy HH:mm:ss (or dateTime) |
| TransactionImage | String | Base64 |
| TransactionVideo | String | Base64 |
| Chargeable | Int16(short) | 0 for dummy and 1 for real |
| Overweight | Int16(short) | 0 for Normal 1 for overweight |
| Penalty | Int16(short) | 0 for Normal 1 for penalty charged |
| TowVehicle | Int16(short) | 0 for Normal 1 for Tow |

Output JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ResponceMessage | String | success/failed |
| CrTransId | Int64(long) | Plaza server Trans Id |

Note: Please ignore rest field that coming in response

# 15. Exit Lane Transcation API:

Http URL :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | **Remark** | |
| Method | **HTTP POST** |  |
| Port | **8086** |  |
| Format | **JSON** |  |
| Base Path | **http://<ip\_address>:port/** |  |
| API Path | **Softomation/Toll360-CloseToll/Lane/ExitLane** |  |

Input JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| LaneTransId | Int64(long) | Lane Trans Id |
| ClientId | Int16(short) |  |
| PlazaId | Int16(short) |  |
| LaneNumber | Int16(short) |  |
| LaneType | Int16(short) | 2-Exit |
| LaneUsed | Int16(short) | 1-Hybrid, 2-Dedicated/FASTag |
| ShiftId | Int16(short) | Current Shift Id |
| TCUserId | Int64(long) | TC Logged User Id |
| PlateNumber | String | Vehicle plate number |
| MappingClassId | Int16(short) | Operator Selected Class Id |
| AvcClassId | Int16(short) | AVC Class Id |
| TransactionTypeId | Int16(short) | Check Trans Type API |
| PaymentTypeId | Int16(short) | TransactionTypeId is 2 then Check Payment Type API else it will be 0 |
| ExemptTypeId | Int16(short) | TransactionTypeId is 5 then Check exempt Type API else it will be 0 |
| ReferenceNumber | String | Cash Receipt Number/FastTag value |
| TransactionAmount | Decimal | Check Validate Fare API |
| ReferenceTransactionId | Int64(long) | Check Validate Fare API |
| JourneyType | Int16(short) | Check Validate Fare API |
| TransactionTimeStamp | String | dd-MMM-yyyy HH:mm:ss (or dateTime) |
| TransactionImage | String | Base64 |
| TransactionVideo | String | Base64 |
| Chargeable | Int16(short) | 0 for dummy and 1 for real |
| Overweight | Int16(short) | 0 for Normal 1 for overweight |
| Penalty | Int16(short) | 0 for Normal 1 for penalty charged |
| TowVehicle | Int16(short) | 0 for Normal 1 for Tow |

Output JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ResponceMessage | String | success/failed |
| CrTransId | Int64(long) | Plaza server Trans Id |

Note: Please ignore rest field that coming in response

# 16. Validate Toll Fare Transcation API:

Http URL :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | **Remark** | |
| Method | **HTTP POST** |  |
| Port | **8086** |  |
| Format | **JSON** |  |
| Base Path | **http://<ip\_address>:port/** |  |
| API Path | **Softomation/Toll360-CloseToll/Lane/ValidateFare** |  |

Input JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| PlazaId | Int16(short) |  |
| LaneType | Int16(short) | 2-Exit |
| MappingClassId | Int16(short) | Operator Selected Class Id |
| ReferenceNumber | String | Cash Receipt Number/FastTag value |
| TransactionTimeStamp | String | dd-MMM-yyyy HH:mm:ss (or dateTime) |

Output JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ResponceMessage | String | success/failed/Plaza Id is missing/Vehicle Class Id is missing/Vehicle Class Id not found/Vehicle Class Id is inactive/Entry Lane Data Not found/ Toll fare not found/ This transaction already done |
| ResponceData | FareDetails | Plaza server Trans Id |

FareDetails Format

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| JourneyType | Int16(short) | 1 Single 2 Return |
| EntryPlazaId | Int16(short) | Entry Plaza Id |
| ReferenceTransactionId | Int64(long) | Entry Lane Mapped Trans Id |
| ClassId | Int16(short) |  |
| TollFare | Decimal | Normal Fare |
| PenaltyFare | Decimal | Penalty Fare |
| OverWeightFare | Decimal | Overweight Fare |
| ReturnFare | Decimal | Return Journery Fare |

# 17. Get Entry Lane Transcation API:

Http URL :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | **Remark** | |
| Method | **HTTP POST** |  |
| Port | **8086** |  |
| Format | **JSON** |  |
| Base Path | **http://<ip\_address>:port/** |  |
| API Path | **Softomation/Toll360-CloseToll/Lane/GetEntryLane** |  |

Input JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| PlazaId | Int16(short) |  |
| LaneType | Int16(short) | 2-Exit |
| MappingClassId | Int16(short) | Operator Selected Class Id |
| ReferenceNumber | String | Cash Receipt Number/FastTag value |
| PlateNumber | String | Plate Number of vehicles |
| TransactionTimeStamp | String | dd-MMM-yyyy HH:mm:ss (or dateTime) |

Note : ReferenceNumber OR PlateNumber is required to get entry lane data.

Output JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ResponceMessage | String | success/failed/Plaza Id is missing/Vehicle Class Id is missing/Vehicle Class Id not found/Vehicle Class Id is inactive/Entry Lane Data Not found/ Toll fare not found/ This transaction already done |
| ResponceData | Entry Lane Details |  |

Entry Lane Details Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ClientId | Int16(short) |  |
| PlazaId | Int16(short) |  |
| LaneNumber | Int16(short) |  |
| LaneType | Int16(short) | 1-Entry |
| LaneUsed | Int16(short) | 1-Hybrid, 2-Dedicated/FASTag |
| ShiftId | Int16(short) | Current Shift Id |
| TCUserId | Int64(long) | TC Logged User Id |
| PlateNumber | String | Vehicle plate number |
| MappingClassId | Int16(short) | Operator Selected Class Id |
| AvcClassId | Int16(short) | AVC Class Id |
| TransactionTypeId | Int16(short) |  |
| PaymentTypeId | Int16(short) |  |
| ExemptTypeId | Int16(short) |  |
| ReferenceNumber | String |  |
| TransactionAmount | Decimal |  |
| ReferenceTransactionId | Int64(long) |  |
| JourneyType | Int16(short) |  |
| TransactionTimeStamp | String |  |
| TransactionImage | String | Base64 |
| TransactionVideo | String | Base64 |
| Chargeable | Int16(short) | 0 for dummy and 1 for real |
| Overweight | Int16(short) | 0 for Normal 1 for overweight |
| Penalty | Int16(short) | 0 for Normal 1 for penalty charged |
| TowVehicle | Int16(short) | 0 for Normal 1 for Tow |

# 18. Lane Operator Activity :

Http URL :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | **Remark** | |
| Method | **HTTP POST** |  |
| Port | **8086** |  |
| Format | **JSON** |  |
| Base Path | **http://<ip\_address>:port/** |  |
| API Path | **Softomation/Toll360-CloseToll/Lane/LogingActivity** |  |

Input JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| PlazaId | Int16(short) | Current Plaza Id |
| LaneNumber | Int16(short) | Current Lane Number |
| ShiftId | Int16(short) | Current Shift Id |
| ShiftDate | Date | Shift Date (dd-MMM-yyyy) |
| LoginId | String | Operator Login Id |
| LoginStatus | Int16(short) | 0 – Invalid attempted ,1 –Login & 2- Logout |
| LaneTransId | Int64(long) | Send last lane trans Id on the time of logout/shift close |
| CreatedDate | DateTime | Current Date Time |

Output JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ResponceMessage | String | success/failed |
| ResponceData | null |  |

# 19. Live Status Events :

Http URL :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | **Remark** | |
| Method | **HTTP POST** |  |
| Port | **8086** |  |
| Format | **JSON** |  |
| Base Path | **http://<ip\_address>:port/** |  |
| API Path | **Softomation/Toll360-CloseToll/Lane/LiveStatusEvents** |  |

Input JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| LaneNumber | Int16(short) | Current Lane Number |
| HardwareTypeId | Int16(short) | Current Hardware Id (refer API 6) |
| EventStatus | Int16(short) | 0 - Not connected/power failure/wire damage  1 - Connected / Not Working  2 - Connected / Working  3 - Open  4 - Close |
| EventDateTime | DateTime | Format (dd-MMM-yyyy HH:mm:ss) |

Output JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ResponceMessage | String | success/failed |
| ResponceData | null |  |

# 20. Live System Events :

Http URL :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | **Remark** | |
| Method | **HTTP POST** |  |
| Port | **8086** |  |
| Format | **JSON** |  |
| Base Path | **http://<ip\_address>:port/** |  |
| API Path | **Softomation/Toll360-CloseToll/Lane/LiveSystemEvents** |  |

Input JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| LaneNumber | Int16(short) | Current Lane Number |
| ShiftId | Int16(short) | Current Hardware Id (refer API 6) |
| ShiftDate | Date | Format (dd-MMM-yyyy) |
| CpuUtilization | Decimal | Percentage Value |
| RamUtilization | Decimal | Percentage Value |
| StorageAvilable | Decimal | Percentage Value |

Output JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ResponceMessage | String | success/failed |
| ResponceData | null |  |

# 21. Live System Transaction Events :

Http URL :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | **Remark** | |
| Method | **HTTP POST** |  |
| Port | **8086** |  |
| Format | **JSON** |  |
| Base Path | **http://<ip\_address>:port/** |  |
| API Path | **Softomation/Toll360-CloseToll/Lane/LiveTransactionEvents** |  |

Input JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| LaneNumber | Int16(short) | Current Lane Number |
| ShiftId | Int16(short) | Current Hardware Id (refer API 6) |
| ShiftDate | Date | Format (dd-MMM-yyyy) |
| TCClassId | Int16(short) |  |
| TransactionTypeId | Int16(short) |  |
| OperatorId | Int64(long) |  |
| OperatorLoginTime | DateTime | Format (dd-MMM-yyyy HH:mm:ss) |
| OperatorCollection | Decimal | Up to two place |

Output JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ResponceMessage | String | success/failed |
| ResponceData | null |  |

# 22. Live System AVC Transaction Events :

Http URL :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | **Remark** | |
| Method | **HTTP POST** |  |
| Port | **8086** |  |
| Format | **JSON** |  |
| Base Path | **http://<ip\_address>:port/** |  |
| API Path | **Softomation/Toll360-CloseToll/Lane/LiveAVCTransactionEvents** |  |

Input JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| LaneNumber | Int16(short) | Current Lane Number |
| AVCClassId | Int16(short) |  |

Output JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ResponceMessage | String | success/failed |
| ResponceData | null |  |

# 23. Lane Operator Access Events :

Http URL :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | **Remark** | |
| Method | **HTTP POST** |  |
| Port | **8086** |  |
| Format | **JSON** |  |
| Base Path | **http://<ip\_address>:port/** |  |
| API Path | **Softomation/Toll360-CloseToll/Lane/OperatorAccessPermission** |  |

Input JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| LaneNumber | Int16(short) | Current Lane Number |
| OperatorId | Int64(long) | TC operator User Id |
| AccessType | Int16(short) | 1-Login 2-Logout |

Output JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ResponceMessage | String | success/failed |
| ResponceData | null |  |

# 24. Lane Operator Exempt Transcation Access Events:

Http URL :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | **Remark** | |
| Method | **HTTP POST** |  |
| Port | **8086** |  |
| Format | **JSON** |  |
| Base Path | **http://<ip\_address>:port/** |  |
| API Path | **Softomation/Toll360-CloseToll/Lane/ExemptAccessPermission** |  |

Input JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| LaneNumber | Int16(short) | Current Lane Number |
| OperatorId | Int64(long) | TC operator User Id |
| ExemptTypeId | Int16(short) | refer API 11 |

Output JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ResponceMessage | String | success/failed |
| ResponceData | null |  |

# 25. Denomination Details API:

Http URL :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | **Remark** | |
| Method | **HTTP GET** |  |
| Port | **8086** |  |
| Format | **JSON** |  |
| Base Path | **http://<ip\_address>:port/** |  |
| API Path | **Softomation/Toll360-CloseToll/Lane/GetDenominationList** |  |

Output JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ResponceMessage | String | success/failed |
| ResponceData | List<DenominationList> | On success list will shared, on failed it will null |

List<DenominationList> Format

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| EntryId | Int16(short) | Primary Key |
| BaseValue | Int16(short) | Currency Type/Denomination Type |
| MoneyCount | Int16(short) | Default is 0 |

# 26. Lane Mid Clearance:

Http URL :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | **Remark** | |
| Method | **HTTP POST** |  |
| Port | **8086** |  |
| Format | **JSON** |  |
| Base Path | **http://<ip\_address>:port/** |  |
| API Path | **Softomation/Toll360-CloseToll/Lane/MidClearance** |  |

Input JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ShiftDate | Date | Format (dd-MMM-yyyy) |
| ShiftId | Int16(short) | Current Shift Id (refer API 13) |
| DepositedAmount | DECIMAL | UP to 2 Place |
| TCUserId | Int64(long) | TC User Id (refer API 01) |
| DenominationData | List<DenominationIL> | Details as below (refer API 19) |

List<DenominationList> Format

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| EntryId | Int16(short) | Primary Key |
| MoneyCount | Int16(short) | Declare Currency count |

Output JSON Format:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Field** | | |  | | --- | | **Value** | | |  | | --- | | Remark | |
| ResponceMessage | String | success/failed/Mid clearance not allowed for future shift! /Shift already closed |
| ResponceData | null |  |