แหล่งเก็บข้อมูลของระบบ TA (Toll Admin) ดังแสดงตาราง

| Table Name | Description |
| --- | --- |
| Config | The System Configuration |
| ViewHistory | The View Update history information |
| MCardAllow | The master table for Card Allow (i.e. Card DMT P1, Card DMT P2) |
| MCoupon | The master table for Coupon information |
| MCouponBook | The master table for Coupon Book information |
| MCurrency | The master table for Currency information |
| TSB | The TSB information |
| PlazaGroup | The Plaza Group (route direction) information |
| Plaza | The Plaza information |
| Lane | The Plaza’s Lane information |
| Role | The User’ role information |
| User | The User (or staff) information |
| Shift | The Shift information |
| TSBShift | The TSB Shift (Chief) transaction |
| TSBCredit  Transaction | TSB Credit Transaction (Borrow/Return/Internal exchange) |
| UserCredit  Balance | User Credit Balance |
| UserCredit  Transaction | User Credit Transaction (Borrow/Return) |
| TSBExchange  Group | TSB Exchange (Request/Return) Group |
| TSBExchange  Transaction | TSB Exchange Transaction |
| TSBCoupon  Transaction | TSB Coupon Transaction |

ตาราง 1 แหล่งเก็บข้อมูลของระบบ TA

1. Config

| Field Name | Key | Data Type | Description |
| --- | --- | --- | --- |
| Key | Primary Key | varchar(30) | Config key |
| Value |  | varchar(100) | Config value |

1. ViewHistory

| Field Name | Key | Data Type | Description |
| --- | --- | --- | --- |
| ViewName | Primary Key | varchar(100) | View Name |
| VersionId |  | integer | update version number |

1. MCardAlow

| Field Name | Key | Data Type | Description |
| --- | --- | --- | --- |
| CardAllowId | Primary Key | integer | The card allow id |
| Abbreviation |  | varchar | The abbreviation |
| Description |  | varchar | The description |
| ActiveStatus |  | integer | The active status |

1. MCoupon

| Field Name | Key | Data Type | Description |
| --- | --- | --- | --- |
| CouponId | Primary Key | integer | The coupon id |
| CouponValue |  | float | The coupon value |
| Abbreviation |  | varchar | The abbreviation |
| Description |  | varchar | The description |
| ActiveStatus |  | integer | The active status |

1. MCouponBook

| Field Name | Key | Data Type | Description |
| --- | --- | --- | --- |
| CouponBookId | Primary Key | integer | The coupon book id |
| CouponBookValue |  | float | The coupon book value |
| Abbreviation |  | varchar | The abbreviation |
| Description |  | varchar | The description |
| ActiveStatus |  | integer | The active status |

1. MCurrency

| Field Name | Key | Data Type | Description |
| --- | --- | --- | --- |
| CurrencyDemonId | Primary Key | Integer | The Currency Type Id |
| CurrencyId |  | Integer | The Currency Id |
| DemonTypeId |  | Integer | The demon type Id |
| DemonValue |  | float | The demon value |
| Abbreviation |  | varchar | The abbreviation |
| Description |  | varchar | The description |
| ActiveStatus |  | integer | The active status |

1. TSB

| Field Name | Key | Data Type | Description |
| --- | --- | --- | --- |
| TSBId | Primary Key | varchar(10) | TSB Id. |
| NetworkId |  | varchar(10) | Network Id. |
| TSBNameEN |  | varchar(100) | TSB Name (English) |
| TSBNameTH |  | varchar(100) | TSB Name (Thai) |
| Active |  | integer | Value = 1 for active  Value = 0 for inactive |
| UserId |  | varchar(10) | The user id (reserved) |
| FullNameEN |  | varchar(150) | User Full Name (English) |
| FullNameTH |  | varchar(150) | User Full Name (Thai) |
| UpdateDate |  | datetime | Reserved |
| MaxCredit |  | float | Max TSB Credit |
| LowLimitST25 |  | float | The lower limit for ST25 |
| LowLimitST50 |  | float | The lower limit for ST50 |
| LowLimitBHT1 |  | float | The lower limit for BHT1 |
| LowLimitBHT2 |  | float | The lower limit for BHT2 |
| LowLimitBHT5 |  | float | The lower limit for BHT5 |
| LowLimitBHT10 |  | float | The lower limit for BHT10 |
| LowLimitBHT20 |  | float | The lower limit for BHT20 |
| LowLimitBHT50 |  | float | The lower limit for BHT50 |
| LowLimitBHT100 |  | float | The lower limit for BHT100 |
| LowLimitBHT500 |  | float | The lower limit for BHT500 |
| LowLimitBHT1000 |  | float | The lower limit for BHT1000 |

1. PlazaGroup

| Field Name | Key | Data Type | Description |
| --- | --- | --- | --- |
| PlazaGroupId | Primary Key | varchar(10) | Plaza Group Id. |
| PlazaGroup  NameEN |  | varchar(100) | Plaza Group Name (English) |
| PlazaGroup  NameTH |  | varchar(100) | Plaza Group Name (Thai) |
| Direction |  | varchar(10) | Allow Vaue  IN, OUT, ? |
| TSBId | Foreign Key | varchar(10) | TSB Id (Table 7 TSB ) |

1. Plaza

| Field Name | Key | Data Type | Description |
| --- | --- | --- | --- |
| PlazaId | Primary Key | varchar(10) | Plaza Id. |
| SCWPlazaId |  | Integer | SCW Plaza Id |
| PlazaNameEN |  | varchar(100) | Plaza Name (English) |
| PlazaNameTH |  | varchar(100) | Plaza Name (Thai) |
| TSBId | Foreign Key | varchar(10) | TSB Id. (Table 7 TSB) |
| PlazaGroupId | Foreign Key | varchar(10) | Plaza Group Id. (Table 8 PlazaGroup) |

1. Lane

| Field Name | Key | Data Type | Description |
| --- | --- | --- | --- |
| PkId | Primary Key | integer | Primary Key (auto). |
| LaneNo |  | integer | Lane Number. |
| LaneId |  | varchar(10) | Lane Id. |
| LaneType |  | varchar(10) | Lane Type. |
| LaneAbbr |  | varchar(10) | Lane Abbr. |
| TSBId | Foreign Key | varchar(10) | TSB Id. (Table 7 TSB) |
| PlazaGroupId | Foreign Key | varchar(10) | Plaza Group Id. (Table 8 PlazaGroup) |
| PlazaId | Foreign Key | varchar(10) | Plaza Id. (Table 9 Plaza) |

1. Role

| Field Name | Key | Data Type | Description |
| --- | --- | --- | --- |
| RoleId | Primary Key | varchar(20) | Role Id. Value (TC, CTC) |
| GroupId |  | integer | Group Id. |
| RoleNameEN |  | varchar(50) | Role Name (English). |
| RoleNameTH |  | varchar(50) | Role Name (Thai). |

1. User

| Field Name | Key | Data Type | Description |
| --- | --- | --- | --- |
| UserId | Primary Key | varchar(10) | User Id. |
| PrefixEN |  | varchar(20) | Prefix (English) |
| FirstNameEN |  | varchar(50) | First Name (English) |
| MiddleNameEN |  | varchar(20) | Middle Name (English) |
| LastNameEN |  | varchar(50) | Last Name (English) |
| PrefixTH |  | varchar(20) | Prefix (Thai) |
| FirstNameTH |  | varchar(50) | First Name (Thai) |
| MiddleNameTH |  | varchar(20) | Middle Name (Thai) |
| LastNameTH |  | varchar(50) | Last Name (Thai) |
| Password |  | varchar(50) | Password (in MD5) |
| CardId |  | varchar(20) | Card Serial Number |
| ADUserName |  | Varchar(40) | Reserved |
| RoleId | Foreign Key | varchar(20) | Role Id. (Table 11 Role ) |
| PasswordDate |  | datetime | Password create date. |
| ExpireDays |  | integer | expire days |
| AccountStatus |  | integer | Reserved |
| IsDummy |  | integer | Reserved |

1. Shift

| Field Name | Key | Data Type | Description |
| --- | --- | --- | --- |
| ShiftId | Primary Key | integer | The Shift Id (Value 1-3) |
| ShiftNameTH |  | varchar(50) | The Shift Name (English) |
| ShiftNameEN |  | varchar(50) | The Shift Name (Thai) |
| TimeStart |  | Datetime | The default shift start time |
| TimeEnd |  | Datetime | The default shift end time |
| ChiefStart |  | datetime | The default chief shift start time |
| ChiefEnd |  | datetime | The default chief shift end time |

1. TSBShift

| Field Name | Key | Data Type | Description |
| --- | --- | --- | --- |
| TSBShiftId | Primary Key | integer | Primary Key (auto) |
| TSBId | Foreign Key | varchar(10) | TSB Id. (Table 7 TSB) |
| ShiftId | Foreign Key | integer | Shift Id. (Table 13 Shift) |
| UserId | Foreign Key | varchar(10) | User Id (CTC). (Table 12 User) |
| Begin |  | datetime | Start of Shift date time |
| End |  | datetime | End of Shift date time |

1. TSBCreditTransaction

| Field Name | | Key | Data Type | Description |
| --- | --- | --- | --- | --- |
| TransactionId | Primary Key | | integer | Primary Key (auto) |
| GroupId |  | | varchar(36) | GroupId (GUID) |
| TransactionDate |  | | datetime | Transaction date time |
| TransactionType |  | | integer | Transaction type |
| TSBId | Foreign Key | | varchar(10) | TSB Id. (Table 7 TSB) |
| SupervisorId |  | | varchar(10) | User Id (CTC). |
| AmountST25 |  | | float | Total amount of .25 ST coin in BHT |
| AmountST50 |  | | float | Total amount of .50 ST coin in BHT |
| AmountBHT1 |  | | float | Total amount of 1 BHT coin in BHT |
| AmountBHT2 |  | | float | Total amount of 2 BHT coin in BHT |
| AmountBHT5 |  | | float | Total amount of 5 BHT coin in BHT |
| AmountBHT10 |  | | float | Total amount of 10 BHT coin in BHT |
| AmountBHT20 |  | | float | Total amount of 20 BHT bill in BHT |
| AmountBHT50 |  | | float | Total amount of 50 BHT bill in BHT |
| AmountBHT100 |  | | float | Total amount of 100 BHT bill in BHT |
| AmountBHT500 |  | | float | Total amount of 500 BHT bill in BHT |
| AmountBHT1000 |  | | float | Total amount of 1000 BHT bill in BHT |
| Remark |  | | varchar(255) | Remark |
| ExchangeBHT |  | | float | Exchange Amount in BHT |
| BorrowBHT |  | | float | Borrow Amount in BHT |
| AdditionalBHT |  | | float | Additional Amount in BHT |

1. UserCreditBalance

| Field Name | Key | Data Type | Description |
| --- | --- | --- | --- |
| UserCreditId | Primary Key | PK, integer | Primary Key (auto) |
| UserCreditDate |  | datetime |  |
| State |  | integer |  |
| BagNo |  | varchar(10) | Bag Number. |
| BeltNo |  | varchar(20) | Security Belt Number. |
| TSBId | Foreign Key | varchar(10) | TSB Id (Table 7 TSB) |
| PlazaGroupId | Foreign Key | varchar(10) | Plaza Group Id (Table 8 PlazaGroup) |
| UserId | Foreign Key | varchar(10) | User Id (TC, CTC) (Table 12 User) |

1. UserCreditTransaction

| Field Name | Key | | Data Type | Description |
| --- | --- | --- | --- | --- |
| TransactionId | | Primary Key | integer | Primary Key (auto) |
| TransactionDate | |  | datetime | Transaction date time |
| TransactionType | |  | integer | Transaction Type |
| RefId | |  | integer | Reference Id (reserved for undo operation) |
| TSBId | | Foreign Key | varchar(10) | TSB Id (Table 7 TSB) |
| PlazaGroupId | | Foreign Key | varchar(10) | Plaza Group Id (Table 8 PlazaGroup) |
| UserId | | Foreign Key | varchar(10) | User Id (TC, CTC) (Table 12 User) |
| UserCreditId | | Foreign Key | integer | User Credit Id. (Table 16 UserCreditBalance) |
| AmountST25 | |  | float | Total amount of .25 ST coin in BHT |
| AmountST50 | |  | float | Total amount of .50 ST coin in BHT |
| AmountBHT1 | |  | float | Total amount of 1 BHT coin in BHT |
| AmountBHT2 | |  | float | Total amount of 2 BHT coin in BHT |
| AmountBHT5 | |  | float | Total amount of 5 BHT coin in BHT |
| AmountBHT10 | |  | float | Total amount of 10 BHT coin in BHT |
| AmountBHT20 | |  | float | Total amount of 20 BHT bill in BHT |
| AmountBHT50 | |  | float | Total amount of 50 BHT bill in BHT |
| AmountBHT100 | |  | float | Total amount of 100 BHT bill in BHT |
| AmountBHT500 | |  | float | Total amount of 500 BHT bill in BHT |
| AmountBHT1000 | |  | float | Total amount of 1000 BHT bill in BHT |
| Remark | |  | varchar(255) | Remark |

1. TSBExchangeGroup

| Field Name | Key | Data Type | Description |
| --- | --- | --- | --- |
| PKId | Primary Key | Integer | Primary Key (auto) |
| GroupId |  | varchar(36) | Group Id (GUID) |
| RequestDate |  | datetime | Request date |
| RequestType |  | Integer | Request Type |
| State |  | Integer | Current Exchange state |
| FinishFlag |  | Integer | The Finish Flag |
| TSBId | Foreign Key | varchar(10) | TSB Id. (Table 7 TSB) |
| Status |  | integer | Reserved. |
| LastUpdate |  | datetime | Reserved. |

1. TSBExchangeTransaction

| Field Name | Key | Data Type | Description |
| --- | --- | --- | --- |
| TransactionId | Primary Key | integer | Primary Key (auto) |
| TransactionDate |  | datetime | Transaction date time |
| TransactionType |  | integer | Transaction Type |
| GroupId |  | varchar(36) | Group Id (GUID) |
| FinishFlag |  | integer |  |
| TSBId | Foreign Key | varchar(10) | TSB Id. (Table 7 TSB) |
| UserId | Foreign Key | varchar(10) | User Id (CTC). (Table 12 User) |
| AmountST25 |  | float | Total amount of .25 ST coin in BHT |
| AmountST50 |  | float | Total amount of .50 ST coin in BHT |
| AmountBHT1 |  | float | Total amount of 1 BHT coin in BHT |
| AmountBHT2 |  | float | Total amount of 2 BHT coin in BHT |
| AmountBHT5 |  | float | Total amount of 5 BHT coin in BHT |
| AmountBHT10 |  | float | Total amount of 10 BHT coin in BHT |
| AmountBHT20 |  | float | Total amount of 20 BHT bill in BHT |
| AmountBHT50 |  | float | Total amount of 50 BHT bill in BHT |
| AmountBHT100 |  | float | Total amount of 100 BHT bill in BHT |
| AmountBHT500 |  | float | Total amount of 500 BHT bill in BHT |
| AmountBHT1000 |  | float | Total amount of 1000 BHT bill in BHT |
| ExchangeBHT |  | float | Total amount Exchange in BHT |
| BorrowBHT |  | float | Total amount Borrow in BHT |
| AdditionalBHT |  | float | Total amount Addition in BHT |
| PeriodBegin |  | datetime | Begin borrow date time |
| PeriodEnd |  | datetime | End borrow date time |
| Remark |  | varchar(255) | Remark |
| Status |  | integer | Reserved. |
| LastUpdate |  | datetime | Reserved. |

1. TSBCouponTransaction

| Field Name | Key | Data Type | Description |
| --- | --- | --- | --- |
| CouponPK |  | integer | TA Server Primary Key |
| TransactionId | Primary Key | PK, integer | Primary Key (auto) |
| TransactionDate |  | datetime | Transaction date |
| TransactionType |  | integer | Transaction type |
| FinishFlag |  | integer |  |
| SAPChooseFlag |  | Integer | Reserved for SAP used |
| SAPChooseDate |  | DateTime | Reserved for SAP used |
| SAPSysSerial |  | varchar | Reserved for SAP used |
| SAPWhsCode |  | varchar | Reserved for SAP used |
| TollWayId |  | Integer | Reserved for SAP used |
| SAPItemName |  | Varchar | Reserved for SAP used |
| SendTAFlag |  | Integer | Flag send to TA server |
| TSBId | Foreign Key | varchar(10) | TSB Id. (Table 7 TSB) |
| UserId | Foreign Key | varchar(10) | User Id (CTC). (Table 12 User) |
| LaneId |  | Varchar(10) | The Lane Id |
| UserReceive  Date |  | datetime |  |
| SoldBy |  | varchar(10) | The Sold User Id |
| SoldDate |  | datetime | Sold date time. |
| CouponId |  | varchar(20) | Coupon (Book) Serial Number |
| CouponType |  | integer | Coupon Type (35, 80) |
| Price |  | float | Price |
| Status |  | integer | Reserved. |
| LastUpdate |  | datetime | Reserved. |