# eService Express Data Dictionary

## Config.db

### Purpose

### Table Definition

#### ESE\_FLAGS

eService Express has write privilege, Data Collector read-only.

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Filed Type | Constraints | Comments |
| Id | INTEGER | Not NULL, Primary Key, Auto Increment | For future compatibility |
| Name | TEXT | Not NULL, Unique | Flag Name |
| Value | TEXT | Not NULL | Flag value, depends on flag definition |
| TimeStamp | TEXT | Not NULL | SQLite timestamp |

#### FLAG Definition

|  |  |  |  |
| --- | --- | --- | --- |
| Flag Name | Value | Definition | Comments |
| SCM\_PLC\_DB\_LOCK | 0 | OFF | Data collector has the right of writing SCM\_PLC database. |
|  | 1 | ON | eSe has the right of writing to SCM\_PLC database. eSe locks the SCM\_PLC Database while doing data cleanup, DC will buffer the data and write to database when lock is removed. |
|  |  |  |  |
|  |  |  |  |

#### DC\_FLAGS

Data Collector has write privilege, eService Express read-only.

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Filed Type | Constraints | Comments |
| Id | INTEGER | Not NULL, Primary Key, Auto Increment | For future compatibility |
| Name | TEXT | Not NULL, Unique | Flag Name |
| Value | TEXT | Not NULL | Flag value, depends on flag definition |
| TimeStamp | TEXT | Not NULL | SQLite timestamp |

#### FLAG Definition

|  |  |  |  |
| --- | --- | --- | --- |
| Flag Name | Value | Definition | Comments |
| WITS\_STATE | 0 | OFF | ,Data Collector updates WITS connection state to client’s system at certain interval, eService Express will read the state and display on UI |
|  | 1 | ON |
|  |  |  |  |
|  |  |  |  |

## SCM\_PLC.db

#### Data

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Filed Type | Constraints | Comments |
| TimeStamp | TEXT |  | Timestamp of the data |
| UnitID | TEXT |  | Unit Number |
| JSON | TEXT |  | Data imported by Data Collector software |