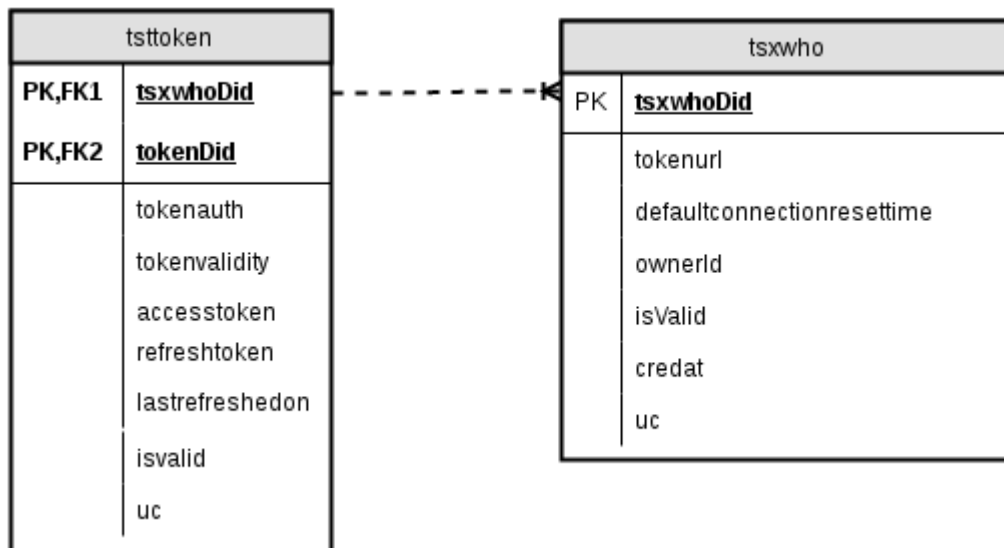


ER Diagram of token service

Token service need to persists token generation endpoint agest each “who”. “Who” any other party which need to generate /maintain token pool.



Example whos are

- Hub → Gateway call.
 - When an “Hub” needs to trigger api calls at operator it need to have a valid operator generated access-token/refresh token at hub. Then using the above access token hub can trigger southbound /operator apis.
In this scenario the “who” is operator name.
- Gateway → Hub call
 - When the operator successfully sends the sms to end user it required to send delivery notification back to hub which is called “call-back” . In such a scenario it required to call api at hub. Then the operator need to manage access-token/refresh token at gateway . In such a scenario the “who” is specific gateway name.

TpxWho Table

columns

- tsxwhodid (Number:PK)
 - unique number to identify specific “who”
- ownerId (Varchar : Unique)
 - name for who's identification
- tokenurl (varchar:400)
 - the token re-fresh endpoint url
- defaultconnectionresettime (Long)
 - token release time in milliseconds
 - once a token released it release this token back to pool at the end of this time interval.
- Isvalid(number :1,0)
 - the validity of a token url can be control using this.

- Credat(Date)
 - date where the record created in UTC.
- UC
 - update count to control Dirty updates.

Tpttoken Table

one tpxWho can have more than one taken entries.

columns

- tsxwhodid (Number:FK)
 - FK key from tpxWho
- tokendid(Integer:PK)
 - Auto generated unique number .
- takenauth(vvarchar :300)
 - this contain the base 64 decode value of Consumer Key:Consumer Secret for a application.
- Tokenvalidity(Number)
 - number of token validity in seconds.
- Accesstoken (varchar:200)
 - access-token token
- refreshtoken(vvarchar:200)
 - refreshtoken
- lastrefreshedon (timeStamp)
 - timestap of last refreshed.
- IsValid(integer:1,0)
 - validity of the token
- uc(integer)
 - update count to avoid dirty update

tstevent Table

tstevent	
PK	<u>eventdid</u>
	jobname
	created
	text
	event
	status

This will log event history for each activity . Sample activities are :

- token expired
- token regenerating

columns

- eventdid (Number:pk)
- jobname (varchar:200)
 - name for activities if required
- created(timestamp)
 - time of the event
- text (var char:400)
 - additional text for the event.
- Event
 - event triggered
- status
 - status of the event.