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DBMS_TRANSACTION.LOCAL_TRANSACTION_ID Function

Description

Oracle offers a DBMS_TRANSACTION.LOCAL_TRANSACTION_ID function which returns the local unique identifier for the current transaction. This DBMS_TRANSACTION.LOCAL_TRANSACTION_ID function is currently not available in DB2.

Solution

Here is a workaround for the DBMS_METADATA.GET_DDL function with similar functionality:

```
--#SET TERMINATOR @
```

```
CREATE OR REPLACE PACKAGE "DBMS_TRANSACTION" AS
```

```
function local_transaction_id
```

```
RETURN VARCHAR2;
```

```
end DBMS_TRANSACTION;
```

```
@
```

```
CREATE OR REPLACE PACKAGE BODY DBMS_TRANSACTION is
```

```
FUNCTION local_transaction_id
```

```
return VARCHAR
```

```
AS
```

```
transId varchar(200);
```

```
appl_id varchar(200);
```

```
appl_hdl varchar(200);
```

```
unitOfWork_id INTEGER;
```

```
BEGIN
```

```
SELECT application_id(), application_handle, uow_id into appl_id, appl_hdl, unitOfWork_id FROM  
TABLE(MON_GET_UNIT_OF_WORK((select agent_id from sysibmadm.applications where appl_id = application_id()), -1));
```

```
transId := appl_id || '.' || appl_hdl || '.' || unitOfWork_id;
```

```
return transId;
```

```
END local_transaction_id;
```

```
END;
```

```
@
```

Executing function:

```
db2 "select DBMS_TRANSACTION.LOCAL_TRANSACTION_ID from dual"
```