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# eServices Administrator's Guide

Required Queries

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## Required Queries

Users of the UCS DB must have permission to run certain queries on the database, for the following purposes:

- List user's tables—required for launching UCS
- Read NLS (national language support) configuration—required for normal operation of UCS
- List user's indexes—required for normal operation of UCS
- Read the configured maximum number of cursors—required for normal operation of UCS, on Oracle only

The following examples use `CONTACTSERV_USER` and `CONTACTSERVARC_USER` as the names of users of the main and archive databases respectively:

### Oracle

To list user's tables:

```
SELECT T.TABLE_NAME, T.COLUMN_NAME, DECODE (T.NULLABLE, 'N', 'NO', 'YES') AS IS_NULLABLE
FROM ALL_TAB_COLUMNS T WHERE UPPER(T.OWNER)='CONTACTSERV_USER' ORDER BY T.COLUMN_ID
```

To read NLS configuration:

- In 8.1.0:  

```
SELECT * FROM sys.props$ WHERE name LIKE 'NLS%CHARACTERSET%'
```
- In 8.1.1 and later:  

```
SELECT * from SYS.NLS_DATABASE_PARAMETERS WHERE PARAMETER LIKE 'NLS%CHARACTERSET%
```

To list user's indexes:

```
SELECT I.INDEX_NAME, IND.COLUMN_NAME as COLUMN_NAME, I.UNIQUENESS as IS_UNIQUE FROM
USER_INDEXES I,
USER_IND_COLUMNS IND WHERE I.INDEX_NAME = IND.INDEX_NAME AND I.GENERATED='N' ORDER BY
INDEX_NAME
```

### SQLServer

To list user's tables:

```
exec sp_tables @table_name = null, @table_type = ''TABLE''
```

To read NLS configuration:

```
SELECT DATABASEPROPERTYEX ('CONTACTSERV_USER', 'Collation')
```

To list user's indexes:

```
SELECT i.name INDEX_NAME, c.name AS COLUMN_NAME, CASE WHEN (i.status & 2)<>0 THEN 'true' ELSE  
'false'  
END AS IS_UNIQUE FROM sysindexes i INNER JOIN sysindexkeys k ON i.id=k.id AND i.indid=k.indid  
INNER JOIN syscolumns c  
ON c.id=i.id AND c.colid=k.colid WHERE INDEXPROPERTY (i.id , i.name , 'IsAutoStatistics' ) =  
0 ORDER BY index_name
```

## DB2

To list user's tables:

```
SELECT TABNAME AS TABLE_NAME, COLNAME AS COLUMN_NAME, TYPENAME AS TYPE_NAME,  
LENGTH AS TYPE_LENGTH FROM syscat.columns WHERE UPPER(TABSCHEMA)='CONTACTSERV_USER' ORDER BY  
COLNO
```

To read NLS configuration:

```
SELECT TYPENAME, CODEPAGE FROM syscat.datatypes WHERE TYPENAME LIKE '%CHAR%' OR TYPENAME LIKE  
'%LOB%'
```

To List user's indexes:

```
SELECT INDNAME AS INDEX_NAME, COLNAMES AS COLUMN_NAME, UNIQUERULE AS IS_UNIQUE  
FROM syscat.indexes WHERE UPPER(TABSCHEMA)='CONTACTSERV_USER' ORDER BY INDNAME
```