

# How to generate SQL script to GRANT Read and Write privileges on all the database tables using 4GL?

Número do Artigo 000039715

**Environment** Product: Progress  
Version: 9.1x  
Product: OpenEdge  
Version: 10.x, 11.x  
OS: All Supported Platforms

**Question/Problem Description** How to generate SQL script to GRANT Read and Write privileges on all the database tables using 4GL?  
How to generate a Batch file to grant SQL92 permissions on all the connected database tables to a USER?  
Sample 4GL/ABL source code to generate SQL-92 script to Grant Privileges on Schema tables.  
How to generate a Batch file to grant SQL92 permissions on all the connected database tables to Public?

## Steps to Reproduce

### Clarifying Information

### Error Message

### Defect/Enhancement Number

### Cause

**Resolution** The following procedure generates an SQL script file to GRANT Read Write privileges on all the connected database tables to a user.

- To generate the SQL script, simply connect to the database and run the following 4GL/ABL code.
- To GRANT READ WRITE privileges on all the connected database tables to the USER, simply execute the SQL script generated by this 4GL/ABL procedure. The resulting SQL script files may be executed using any JDBC client like the Progress SQL Explorer Tool.

In the code sample below, "me" would be replaced with the "user name" that the GRANT privileges are needed for. If "Public" is used, all users will be granted Read Write privileges on all the connected database tables.

### Steps:

1. Connect to the database with a 4GL client.

```
$ prowin32 dbname [-S <portnumber> -H <hostname>]
```

2. Run the following program from the Progress 4GL session, it will create a file named ReadWrite.sql in the current working directory:

```
OUTPUT TO .\ReadWrite.SQL.
```

```
FOR EACH _file WHERE _file._file-num GT 0 AND _file._file-num LT 32000 NO-LOCK:
  PUT UNFORMATTED 'grant select, update, insert,delete on PUB.'" + _file._file-name + '" to me ~; '
  SKIP.
  PUT UNFORMATTED 'COMMIT; '
  SKIP.
END.
```

3. Execute the file ReadWrite.SQL file from SQL Explorer in batch mode as follows, to grant the privileges to the user:

```
$ sqlexp -char -infile ReadWrite.SQL -outfile report.txt -db -S -H -user
<SQL_Admin_User> -password <password>
```

The SQL-92 script file, "ReadWrite.SQL", generated by running the above 4GL code will look similar to the following sample: from the Sports2000 database and can be further edited as required.

```
grant select, update, insert, delete on PUB."Invoice" to me ;
COMMIT;
grant select, update, insert, delete on PUB."Customer" to me ;
COMMIT;
grant select, update, insert, delete on PUB."Item" to me ;
COMMIT;
grant select, update, insert, delete on PUB."OrderLine" to me ;
COMMIT;
grant select, update, insert, delete on PUB."Salesrep" to me ;
COMMIT;
grant select, update, insert, delete on PUB."State" to me ;
COMMIT;
grant select, update, insert, delete on PUB."LocalDefault" to me ;
COMMIT;
grant select, update, insert, delete on PUB."RefCall" to me ;
COMMIT;
grant select, update, insert, delete on PUB."Feedback" to me ;
COMMIT;
grant select, update, insert, delete on PUB."Employee" to me ;
COMMIT;
grant select, update, insert, delete on PUB."TimeSheet" to me ;
COMMIT;
grant select, update, insert, delete on PUB."Vacation" to me ;
COMMIT;
grant select, update, insert, delete on PUB."Family" to me ;
COMMIT;
grant select, update, insert, delete on PUB."Department" to me ;
COMMIT;
grant select, update, insert, delete on PUB."Benefits" to me ;
COMMIT;
grant select, update, insert, delete on PUB."ShipTo" to me ;
COMMIT;
grant select, update, insert, delete on PUB."BillTo" to me ;
COMMIT;
grant select, update, insert, delete on PUB."Order" to me ;
COMMIT;
grant select, update, insert, delete on PUB."Supplier" to me ;
COMMIT;
grant select, update, insert, delete on PUB."Warehouse" to me ;
COMMIT;
grant select, update, insert, delete on PUB."Bin" to me ;
COMMIT;
grant select, update, insert, delete on PUB."InventoryTrans" to me ;
COMMIT;
grant select, update, insert, delete on PUB."PurchaseOrder" to me ;
COMMIT;
grant select, update, insert, delete on PUB."POLine" to me ;
COMMIT;
grant select, update, insert, delete on PUB."SupplierItemXref" to me ;
```

#### Workaround

#### Notes Progress Articles:

000011866, [How to find SQL permissions on a table in an OpenEdge database?](#)

000022114, [How to generate SQL script to GRANT all privileges on all the database tables using](#)

4GL?

000019877, How to create a Script that will grant SELECT on all OpenEdge database tables

**Attachment**

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