

ibec_psql_Format

This functions performs code formatting of an PSQL statement.

Syntax

```
ibec_psql_Format(PSQLObject : variant; FormatOptions : string) : string;
```

- *PSQLObject* - PSQL object created with *ibec_psql_Parse* function
- *FormatOptions* - string with set of formatting options. It can be loaded from an ini-file (Options | Code formatting options | Save formatting options to file).

ibec_psql_Format returns string value containing formatted PSQL code.

Example

The following example retrieves all procedure DDL's from a database, formats them and saves formatted code in separate files:

```
execute ibeblock
as
begin
    sFormatOptions = '';

    -- Try to get format options from the IBExpert User Database
    userdb = ibec_GetUserDBConnection();
    if (userdb is not null) then
        begin
            ibec_UseConnection(userdb);
            select data from config where ident = 'CodeFormatOptions' into
:sFormatOptions;
        end

    db = ibec_GetDefaultConnection();
    ibec_UseConnection(db);

    -- Directory to save formatted sources of procedures
    sDir = 'D:\Temp\Procs';
    ibec_ForceDirectories(sDir);

    for select rdb$procedure_name
        from RDB$PROCEDURES
        -- Comment the next line if your server doesn't support packages
        where rdb$package_name is null
        order by 1
        into :ProcName
    do
```

```
begin
  ProcName = ibec_Trim(:ProcName);
  -- Pass an empty string as an option string to get pure single CREATE
statement without SET TERM etc.
  sPSQL = ibec_GetObjectScript(db, :ProcName, __dboProcedure, '');
  -- Just for example we will replace CREATE PROCEDURE with CREATE OR
ALTER PROCEDURE
  sPSQL = ibec_Trim(sPSQL);
  sPSQL = ibec_preg_Replace('^(?i)CREATE[\x01-\x20]+PROCEDURE', 'CREATE OR
ALTER PROCEDURE', sPSQL);
  ObjPSQL = ibec_psql_Parse(sPSQL, 3, __svFB30);
  try
    sPSQLSource = ibec_psql_Format(ObjPSQL, sFormatOptions);
    sFileName = sDir || '\ ' || ProcName || '.sp';
    ibec_SaveToFile(sFileName, sPSQLSource, __stfOverwrite);
  finally
    ibec_psql_Free(ObjPSQL);
  end
end;
end;
```

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