



PL/PDF Toolkit Installation Guide v3.0



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Reporting in your Oracle database

1. System requirements

Oracle 11g RDBMS Release 1 or higher with **Oracle Jserver (JVM)**
Oracle 11g Express Edition is **not** supported.

2. Get the PL/PDF Toolkit program

Please download the program from www.plpdf.com/downloads. Unzip the plpdf-toolkit.zip into a directory (<unzip_directory>), example c:\downloads.

3. Create the PLPDF_TK user (if separated install from PLPDF)

Start SQL*Plus and connect with an administrator user (example system) to the database. Create the PLPDF_TK user. This example only shows how to create a minimal user (script: 1_create_user.sql). Check out Oracle 11g SQL Reference on how to set up a user:

http://docs.oracle.com/cd/B28359_01/server.111/b28286/statements_8003.htm

```
CREATE USER plpdf_tk IDENTIFIED BY plpdf_tk;  
GRANT CONNECT TO plpdf_tk;  
GRANT RESOURCE TO plpdf_tk;
```

Another way you can execute 1_create_user.sql file as administrator user.

4. Java grants

Start SQL*Plus and connect with an administrator user (example system) to the database.

```
dbms_java.grant_permission( '<USERNAME>',  
'SYS:java.lang.RuntimePermission', 'getClassLoader', '' );
```

Granting file permission:

- In **Windows**:

```
dbms_java.grant_permission( '<USERNAME>',  
'SYS:java.io.FilePermission', 'com\plpdf\res\-', 'read' );  
end;
```

- In **Unix**-like environments:

```
dbms_java.grant_permission( '<USERNAME>',  
'SYS:java.io.FilePermission', 'com/plpdf/res/-', 'read' );  
end;
```

Another way you can execute java_grant.sql file as administrator user.

5. Load plpdf_toolkit.jar file

Use LoadJava utility to load plpdf_toolkit_v209.jar file.

```
loadjava -user <username>/<password>@<database> -force -verbose  
-resolve plpdf_toolkit_v208.jar
```

You have an easier way. Simply use the loadjar.cmd file.



Reporting in your Oracle database

6. Install MergeX storage table

CONNECT plpdf_tk/plpdf_tk@<database> and execute this command (command from SQL*Plus).

```
@<unzip directory>\plpdf_tk_merge_inputs.sql;
```

7. Install PLPDF_TOOLKIT packages

CONNECT plpdf_tk/plpdf_tk@<database> and execute this command: **set scan off;** ("Set scan off" turns off substitution variables.)

Load the parameter package (command from SQL*Plus):

```
@<unzip directory>\plpdf_toolkit_par.sql;
```

Load the toolkit package (command from SQL*Plus):

```
@<unzip directory>\plpdf_toolkit.sql;
```

8. Install PLPDF_XFDF packages (optional)

CONNECT plpdf_tk/plpdf_tk@<database> and execute this command: **set scan off;** ("Set scan off" turns off substitution variables.)

Load the XML package (command from SQL*Plus):

```
@<unzip directory>\plx_sc.sql;
```

Load the XFDF package (command from SQL*Plus):

```
@<unzip directory>\plpdf_xfdf.sql;
```



Reporting in your Oracle database

9. Test the toolkit (optional)

CONNECT plpdf_tk/plpdf_tk@<database> and create the test table.

```
create table store_blob_tk
(
  id number primary key,
  blob_file blob,
  filename varchar2(255),
  description varchar2(2000),
  crd date default sysdate
);
```

Another way you can execute <unzip_directory>\test\store_blob_tk.sql file.

Start SQL*Plus and connect with an administrator user (example system) to the database. Create the test directory.

```
create or replace directory TOOLKIT_TESTFILES as
'<unzip_directory>\test\test_files';
```

Start SQL*Plus and connect with an administrator user (example system) to the database. Directory grants.

```
begin
dbms_java.grant_permission( 'PLPDF_TK', 'SYS:java.io.FilePermission',
'TOOLKIT_TESTFILES', 'read' );
end;
```

```
grant read on directory TOOLKIT_TESTFILES to public;
```

Another way you can execute
<unzip_directory>\test\directory_grant.sql file.

CONNECT plpdf_tk/plpdf_tk@<database> and execute this command: **set scan off;** ("Set scan off" turns off substitution variables.)

Load the test files into the test table (command from SQL*Plus):

```
@<unzip_directory>\test\load_test_files.sql;
```

Load the test package (command from SQL*Plus):

```
@<unzip_directory>\test\plpdf_toolkit_test.sql;
```