



Region Recovery - Best Practices for backup and restore of an isolated region when using an Oracle 9i or 10g database



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Note

Before using this information and the product it supports, read the information in "Notices" on page 9.

This edition applies to version 4.0.3 of IBM FileNet Business Process Manager (product number 5724-R76), and to all subsequent releases and modifications until otherwise indicated in new editions.

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Revision log

Date	Revision
06/27/2008	Initial document.

Best practices for backup/restore of an isolated region when using an Oracle 9i/10g database

This procedure is the best practices method of restoring a Process Engine (PE) isolated region to a prior state. This method should be used in lieu of Oracle's RMAN TSPITR (tablespace point in time recovery) until further notice.

The prior state of the region is the point at which the region tablespace(s) were exported in step 1 of the procedure below. The isolated region must be set with Backup Enabled to use this method of backup and restore. To ensure that the isolated region is backup enabled, check your region in the Regions section of the Process task manager. The "Enable Backup" box must be checked.

This method uses Oracle's exp and imp tools to export and import all the tables in a PE backup enabled isolated region. This procedure should be used for only one isolated region at a time. If there are two regions that are backup enabled and need to be backed up, handle the regions separately - exporting the associated tablespaces into different export dump files.

Oracle export / import procedure for tablespace(s) recovery.

1. To export tablespace data and indexes

```
exp system/system tablespaces=<data tablespace names> file=<export dump file name> log=<log file name>
```

Example:

```
exp system/system tablespaces=regdata24 file=expReg24.dmp log=reg24exp.log
```

2. To import region data and indexes from tablespace export.

- a. Drop all tables in tablespace for your region.
- b. Save the following text (between '---' lines) to dodrop.sql file

```
---
rem
rem Oracle script to drop all tables in a tablespace
rem
set feedback off
set heading off
set linesize 300
spool dodrops.sql
set echo on
select 'drop table f_sw.' || Table_Name || ';' from SYS.DBA_TABLES where tablespace_name
= '&1';
spool off

set feedback on
start dodrops.sql
```

c. Execute dodrop.sql

```
sqlplus "sys/sys as sysdba" @dodrop <case sensitive tablespace name>
```

Example:

```
sqlplus "sys/sys as sysdba" @dodrop REGDATA24
```

d. Import data.

```
imp system/system file=expReg24.dmp fromuser=f_sw touser=f_sw log=reg24imp.log
```

3. On the PE Server, drop and recreate region database views using the createDBviews command in vwtool.

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Program Number: 5724-R76

Printed in USA

GC31-5606-00

