

# Documentation for check\_dbspaces Script Version 1.0

September 28, 2003, revised February 3, 2004

## 1.0 General Information

One ksh script is provided. This script monitors how full the various IBM Informix dbspaces are and notifies the user when any dbspace exceeds 80%. The script uses the awk command and the Informix dbaccess command. The files for this check script are:

check\_dbspaces (ksh script)  
step1.awk (awk command file)

The check\_dbspaces script is intended to be a cron job run by user oper.

## 2.0 Configuration Information

### check\_dbspaces script

Two apps\_defaults tokens are used by this script, these are:

adb_dir	name of the directory where RFC Archive apps and other files are stored on the archive system
adb_server	Informix server name on the archive system

### oper's cron

This script should be executed by oper as part of its cron on the archive system. In this way this script can be executed on a routine basis.

Example cron entries are shown below.

```
#5# DB and System admin scripts  
15 12 * * * /rfc_arc/scripts/dbadmin/check_dbspaces
```

### **"housecleaning" requirements**

The log file for this script will occasionally need to be downsized. It is recommended that

an entry to "houseclean" this log file be added to the purge\_files that oper's cron is already running. Example of what this entry might look like is shown below.

```
#shrink check_dbspaces log file
CHKDB=$ARCDIR/logs/dbadmin
cd $CHKDB
tail -40 chkdbsp_rpt.log > bozoA
rm chkdbsp_rpt.log
mv bozoA chkdbsp_rpt.log
```

### 3.0 The Script

This script runs an sql command on the sysmaster database and calculates the % used for all the dbspaces that exists. If any dbspaces exceed 80% full a message is created and sent to the printer. The user may wish to do something other then send this message to the printer such as send the message to the textdb and use the alert/alarm feature or the user may wish to include this in a netscape monitoring webpage the office may be using. The script and the awk command file are located in the directory /rfc\_arc/scripts/dbadmin. It is recommended this script be run once per day.

#### Log File

The script adds a single entry each day to the log file chkdbsp\_rpt.log. This file is located in the directory /rfc\_arc/logs/dbadmin. An example of this log file is shown below.

```
Tue Sep 23 12:16:01 UTC 2003 - all dbspaces <= 80% full
Wed Sep 24 12:16:01 UTC 2003 - all dbspaces <= 80% full
Thu Sep 25 12:16:00 UTC 2003 - all dbspaces <= 80% full
Fri Sep 26 12:16:00 UTC 2003 - all dbspaces <= 80% full
Sat Sep 27 12:16:01 UTC 2003 - all dbspaces <= 80% full
Sun Sep 28 12:16:01 UTC 2003 - all dbspaces <= 80% full
```

#### Message File

The most recent message created is always available for viewing. This file, dbsp-rpt.txt is also located in the directory /rfc\_arc/logs/dbadmin. Examples of file contents for <= 80% and > 80% are shown.

#### All dbspaces <= 80%

```
db1 47.11
db2 28.68
db3 42.67
db4 28.68
db5 33.89
db6 28.21
```

