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amdocs

DTAG - Backup Scripts

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1.2	Steven Sciriha	Mar 1, 2012	Updated steps for DRA script to be run as root
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1. INTRODUCTION

This document is intended to outline the installation and operation process for the 4 (four) backup scripts created for the Amdocs Bonn Lab deployment that cover the following main applications: PCRF, DRA/SLF, SDB and BMS. Each backup script is installed in the crontab of the respective server and is configured to run on a periodic basis. The backup scripts produce a log file detailing the backup process. Backup file retention is handled by the scripts and the retention period is configurable. The BMS server has been designated as the central storage for all backup files. A further script was developed for the BMS server that automates the retrieval of the backup files from all the application servers to the local directory on the BMS server. This script also retrieves the switch configurations and images (please refer to section 3. OPERATION and Appendix A for further details)

2. INSTALLATION

2.1 PCRF

Copy the tar file PCRF_Backup_v22.tar to a staging directory ex. /stage
Become the root user
<pre># cd / # tar xvf /stage/PCRF_Backup_v22.tar</pre>
Script and configuration file are extracted to the directory /opt/Amdocs/backup_scripts
Verify installation:
ls /opt/Amdocs/backup_scripts/
PCRF_Backup.sh system_backup_filelist.conf README
Open the script up for editing and update the following variables with the latest RMA root credentials:
XPC_USERNAME=" <mark><username>"</username></mark> XPC_PASSWORD=" <mark><password></password></mark> "
The retention period needs to be set within the script by updating the following variable accordingly:
<pre># The age variable represent the retention period age="<age_in_days>"</age_in_days></pre>

OPTIONAL STEP
The script checks for a user-configurable configuration file that can be used to include custom items to backup that are not part of the default deployment.
To configure this file:
 touch /opt/Amdocs/backup_scripts/user_backup_filelist.conf

 chmod 777 /opt/Amdocs/backup_scripts/user_backup_filelist.conf Open the file for editing
- Insert any files that need to be backed up. Example:
<pre>/tmp/Fetch_Log.txt /opt/testfile /etc/random_logfile.txt</pre>
- The backup script will detect the presence of this user-configurable file and include its contents to be backed up along with the default items
Add the script to the ROOT cron. Script need to be set up to run once daily. Example:
<minute> <hour> * * * /opt/Amdocs/backup_scripts/PCRF_Backup.sh 2> /dev/null</hour></minute>
Backup file and backup log will be generated under /doxstore2/backup/
To extract the contents of the tarfile use the following command:
tar xvf <tarfile></tarfile>

2.2 DRA

Copy the tar file DRA_Backup_v20.tar to a staging directory ex. /stage
Become the root user
<pre># cd / # tar xvf /stage/DRA_Backup_v20.tar</pre>
Script and configuration file are extracted to the directory /opt/Amdocs/backup_scripts
Verify installation:
ls /opt/Amdocs/backup_scripts/
DRA_Backup.sh system_backup_filelist.conf README
The script contains default credentials for the subscriber partition utility (INSTANCE/bin/rgmgr.sh) that need to be updated accordingly for proper operation. Open the script up for editing and update the following variables with the latest rgmgr root credentials:

```
XPC_USERNAME="<username>"
      XPC_PASSWORD="<password>"
The script also contains the following variable that needs to be updated to reflect if the DRA is
performing the SLF function.
   # SLF_NODE determines if the DRA does the SLF function or
   not - 1: SLF NODE 0: NON-SLF NODE
   SLF NODE=0
The retention period needs to be set within the script by updating the following variable
accordingly:
   # The age variable represent the retention period
      age="<age_in_days>
**OPTIONAL STEP**
The script checks for a user-configurable configuration file that can be used to include custom
items to backup that are not part of the default deployment.
To configure this file:
     touch /opt/Amdocs/backup_scripts/user_backup_filelist.conf
      chmod 777 /opt/Amdocs/backup_scripts/user_backup_filelist.conf
   - Open the file for editing
    Insert any files that need to be backed up. Example:
      /tmp/Fetch_Log.txt
      /opt/testfile
      /etc/random_logfile.txt
     The backup script will detect the presence of this user-configurable file and include its
      contents to be backed up along with the default items
Backup file and backup log will be generated under /doxstore2/backup/
To extract the contents of the tarfile use the following command:
   tar xvf <TARFILE>
```

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2.3 SDB

2.3.1 Oracle RMAN Database backup setup

The following instructions will configure the following backup: - Full, Online Database backup - Daily
- Retention of 1 day
Create the following configuration file:
touch /u01/app/oracle/widespan/backups/database_backup.cf
As the <i>ORACLE</i> user ensure the database backup directory exists if not create it:
Example:
mkdir /doxstore1/backup
Insert the following lines into the file database_backup.cf, adjusting values as required:
targetuser=r6 targetpass=r6 destination=disk directory=/doxstore1/backup retention=1 mailto=oracle
The considerations here are the following:
 i). Backup directory (<i>directory</i> above) needs to be big enough to store at least 3 days worth of FULL backups which are estimated at around 6-8Gb each. ii). Retention period (<i>retention</i> above) directly affects space usageRecommendation is for 3 days worth of full backups iii). <i>Targetuser/targetpass</i> need to be update according to the schema credentials

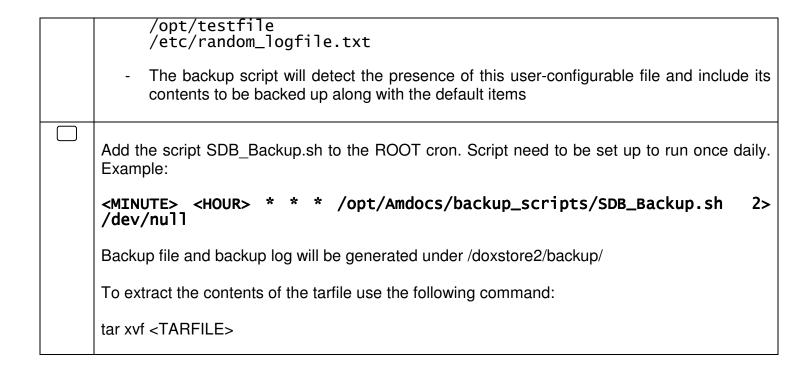
Pre-defined option 1 (daily full backup)

<minute> <hour> * * * /u01/app/oracle/widespan/backups/database_backup.sh
/u01/app/oracle/widespan/backups/database_backup.cf full > /dev/null 2>&1
#cron entry added for backup_purge_07.sh script
<minute> <hour> * * * /u01/app/oracle/widespan/backups/backup_purge_07.sh
/u01/app/oracle/widespan/backups/database_backup.cf > /dev/null 2>&1

Where <minute> <hour> is the daily time to run the script. Ex 23 15 * *
 * would make the script run at 15:23 GMT everyday.

2.3.2 SDB system backup script setup

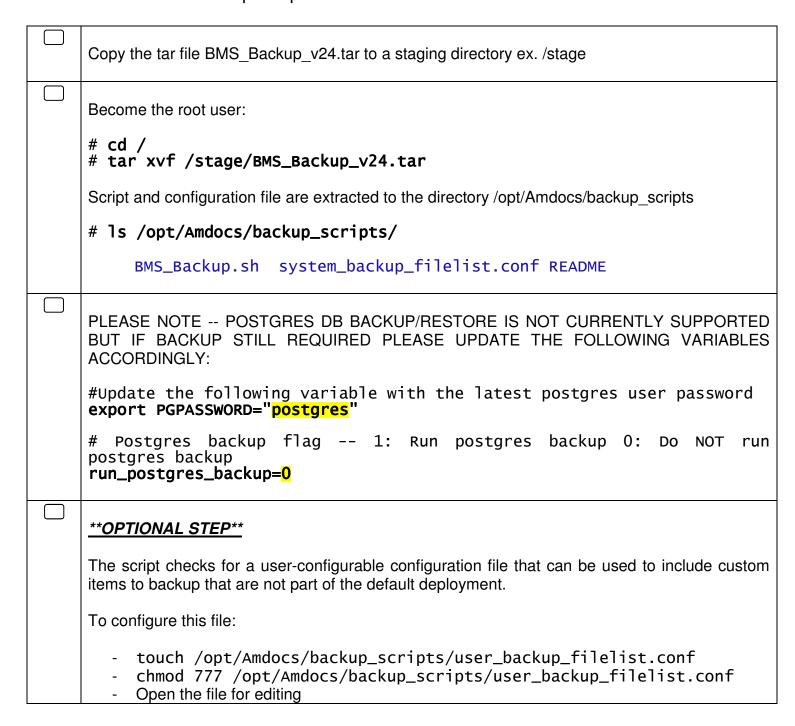
Copy the tar file SDB_Backup_v23.tar to a staging directory ex. /stage
Become the root user:
<pre># cd / # tar xvf /stage/SDB_Backup_v23.tar</pre>
Script and configuration file are extracted to the directory /opt/Amdocs/backup_scripts
ls /opt/Amdocs/backup_scripts/
SDB_Backup.sh system_backup_filelist.conf README
OPTIONAL STEP
The script checks for a user-configurable configuration file that can be used to include custom items to backup that are not part of the default deployment.
To configure this file:
 touch /opt/Amdocs/backup_scripts/user_backup_filelist.conf chmod 777 /opt/Amdocs/backup_scripts/user_backup_filelist.conf Open the file for editing Insert any files that need to be backed up. Example:
/tmp/Fetch log.txt

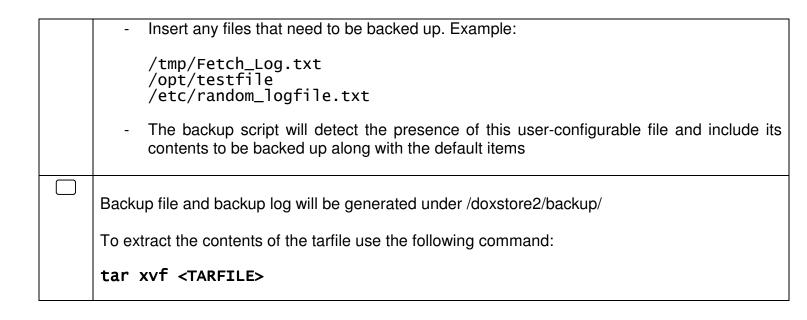


** IT IS RECOMMENDED THAT THE TIME SETTING SELECTED FOR THE CRONJOB (IN SECTION 2.3.2) TO RUN TO BE AT LEAST 1HR LATER THEN THE CRONJOB TIME SET FOR THE DATABASE BACKUP SCRIPT (IN SECTION 2.3.1) TO ALLOW THE SCRIPT TO INCLUDE LATEST DB BACKUP WHEN EXECUTED**

2.4 BMS

2.4.1 Backup Script





2.4.2 Backup file retrieval script

This script will reach out to all the servers currently running backups within the network and will retrieve the daily backup for safe storage on the central BMS server.
Install the expect package on the BMS server # yum install expect
<pre>Become the root user: # cd / # tar xvf /stage/Fetch_Backups_v20.tar Script and configuration file are extracted to the directory /opt/Amdocs/backup_scripts # ls /opt/Amdocs/backup_scripts/ egrep "fetch read" fetch_backups.exp hosts_to_fetch.txt read_hosts.sh</pre>

```
Open the configuration file hosts to fetch.txt for editing and insert all the target servers that
need to be backed up. The format MUST match the following pattern:
# HOSTNAME/IP ROOT_PASSWORD APPLICATION(DRA, SDB, SWITCH, BMS)
# Example:
# 192.168.10.5 rootpass DRA
# houstonPCRF root PCRF
Please Note: The values referenced in the above config are all related to the target servers
which have backups that need to be retrieved.
The two fetch scripts are configured with default values. They can be updated to reflect any
changes:
fetch backups.exp
set remote_backup_dir "/doxstore2/backup/"
set local_backup_dir "/doxstore1/backup_location/"
read hosts.sh
host_file="/opt/Amdocs/backup_scripts/hosts_to_fetch.txt"
fetch_script="/opt/Amdocs/backup_scripts/fetch_backups.exp"
BMS_backup_dir="/doxstore1/backup_location/"
PLEASE NOTE: The read hosts.sh script will automatically create the application specific
backup directories (DRA, BMS, SDB, PCRF, SWITCH) under "/doxstore1/backup location/"
Install the script into the ROOT crontab in the following manner:
                                      /opt/Amdocs/backup_scripts/read_hosts.sh
<minute>
              <hour>
/tmp/Fetch_Log.txt 2> /dev/null
```

** IT IS MANDATORY THAT THE TIME SETTING SELECTED FOR THE CRONJOB TO RUN TO BE AT LEAST 1 HR LATER THEN THE CRONJOB TIME FOR THE BACKUP SCRIPTS TO ALLOW THE FETCH_BACKUPS SCRIPT TO TRANSFER OVER THE LATEST BACKUP**

3. OPERATION

- During the initial run of every backup script, on the respective nodes, the backup directory structure is created. The location of the backup directory varies according to application/user. Please see Appendix A for details.
- Each script attempts to read in 2 configuration files:
 - 1. /opt/Amdocs/backup scripts/user backup filelist.conf

This file is not mandatory and is only used if the user requires to backup items not included in the default list.

2. /opt/Amdocs/backup scripts/system backup filelist.conf

This file is the default list of items to be backed up that is specific to each system. This configuration file should NOT be changed. If any other files are required the configuration file user_backup_filelist.conf must be used.

- A backup log is generated after every run. This backup log called backup.log is located in the backup directory
- The backup script will perform a number of backup functions dependent on the application. Please see Appendix A for details.
- The backup script is designed to output logs indicating which backup process it is currently performing as well as check for any WARNINGS or ERRORS encountered during execution. Once the script is complete it will display a log with the number of warnings/errors encountered as follows:

Backup Complete with 5 warnings...

!!Backup Complete with ERRORS!! Check logs above for further information...

It is HIGHLY RECOMMENDED to add the *ERROR* log to the Amdocs monitoring framework to be able to identify any daily issues encountered.

 The backup script will perform a cleanup of any backup files based on the retention period configured in the script.

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- All backup file names follow the following convention:
 BACKUP <HOSTNAME> <APPLICATION> <ddmmyy>.tar.gz
- Once the backup is complete the result will be displayed in the backup log file together with the absolute path to the backup file

Example:

Complete. The archive can be found at /opt/bwc/backup/TARFILE/BACKUP_k115033.bridgewatersys.com_B MS.01.02.12.tar.gz

- The read_hosts.sh script, when executed, will read in all the target hosts configured in hosts_to_fetch.txt. It will then attempt to reach out to all the servers and retrieve the daily backups.
- The output log for the read_hosts.sh script is called Fetch_Log.txt is located in /tmp. This log will show the logs resulting from the each of the scripts attempt at transferring over the backup files
- The read_hosts.sh script has an additional use which is SWITCH configuration and image backup, which are retrieved directly from the switch and placed into the local switch backup directory on the BMS server.
- If any issues or concerns arise please contact Steven Sciriha (email: Steven.Sciriha@amdocs.com)

APPENDIX A

Table 1.0 Default application-specific backup locations

Application	Script Name	Backup Directory
PCRF	PCRF_Backup.sh	Backup logfile location: /doxstore2/backup/
		Backup tarfile location: /doxstore2/backup/
DRA	DRA_Backup.sh	Backup logfile location: /doxstore2/backup/
		Backup tarfile location: /doxstore2/backup/
BMS	BMS_Backup.sh	Backup logfile location: /doxstore2/backup
		Backup tarfile location: /doxstore2/backup/
SDB	SDB_Backup.sh	Backup logfile location: /doxstore2/backup
		Backup tarfile location: /doxstore2/backup/
SWITCH	Read_hosts.sh	Backup tarfile location: /doxstore1/backup_location/[APPLICATION_TYPE]

Table 2.0 PCRF backup manifest

Backup file manifest

Parmdb files for all the configured instances:

BPCapps-44RELv1_4-hga00a00015703.rtpc2a.parmdb

BPCsnmp-44RELv1-hga00a00012277.SNMP.parmdb

BPCttdb-44RELv1_2-hga00a00014310.TimesTen.parmdb

Parmdb file for CTA instance

BWCcta-1.3.5-OAM00002667.CTA.parmdb

RMA rules for all configured projects

BPCapps-44REL-hga00a00009063.PCRF.RE.NetworkPolicy.zip

BPCapps-44REL-hga00a00009063.PCRF.RE.SessionRights.zip

BPCapps-44REL-hga00a00009063.PCRF.RE.TieredServices.zip

The BPC configuration directory /<ACTIVE_INSTANCE>/config/provserver/

BPC.config.tar

Package versions for all the installed packages both at a system and application level

PackageVersions.010212.txt

Relevant system -level configs

etc/cron.hourly/

etc/cron.hourly/mcelog.cron

etc/group

etc/hosts

etc/localtime

etc/logrotate.conf

etc/logrotate.d/

etc/logrotate.d/acpid

etc/logrotate.d/mgetty

etc/logrotate.d/httpd

etc/logrotate.d/cups

etc/logrotate.d/bwc_debug

etc/logrotate.d/syslog

etc/logrotate.d/iscsiuiolog

etc/logrotate.d/yum

etc/logrotate.d/snmpd

etc/logrotate.d/conman

etc/logrotate.d/rpm

etc/logrotate.d/psacct

etc/logrotate.d/bwc_mwserver

etc/logrotate.d/setroubleshoot

etc/logrotate.d/bwc_snmp

etc/logrotate.d/wpa_supplicant etc/logrotate.d/ppp etc/logrotate.d/up2date etc/logrotate.d/bwc_oplog etc/modprobe.conf etc/ntp.conf etc/passwd etc/snmp/snmpd.conf etc/ssh/sshd_config etc/sysconfig/clock etc/sysconfig/ip6tables-config etc/sysconfig/iptables-config etc/sysconfig/network etc/sysconfig/selinux etc/sysconfig/syslog etc/sysctl.conf etc/syslog.conf etc/yum.repos.d/ etc/yum.repos.d/amdocs_bms.repo etc/yum.repos.d/rhel-debuginfo.repo etc/yum.repos.d/redhat 5.7 bms.repo etc/yum.repos.d/rhel-kanlinux51141.repo WideSpan/config/mon/ WideSpan/config/mon/repltestMonitor.cfg WideSpan/config/mon/oplogMonitor.cfg WideSpan/config/mon/syslogMonitor.cfg WideSpan/config/mon/oraclelogMonitor.cfg WideSpan/config/mon/rmslogMonitor.cfg WideSpan/config/mon/alert.cfg WideSpan/config/mon/monitor.cfg WideSpan/config/kpi/kpi.config WideSpan/config/kpi/polls WideSpan/config/kpi/reports var/spool/cron/ var/spool/cron/root var/spool/cron/bpc var/spool/cron/bwc opt/Amdocs/backup_scripts/ opt/Amdocs/backup_scripts/PCRF_Backup.sh opt/Amdocs/backup_scripts/opt/

opt/Amdocs/backup_scripts/opt/Amdocs/backup_scripts/

opt/Amdocs/backup_scripts/opt/Amdocs/

opt/Amdocs/backup_scripts/opt/Amdocs/backup_scripts/PCRF_Backup.sh

opt/Amdocs/backup_scripts/opt/Amdocs/backup_scripts/system_backup_filelist.conf

opt/Amdocs/backup_scripts/system_backup_filelist.conf

opt/Amdocs/backup_scripts/PCRF_Backup_v22.tar

opt/Amdocs/backup_scripts/README

etc/sysconfig/network-scripts/ifcfg-lo

etc/sysconfig/network-scripts/ifcfg-eth1

etc/sysconfig/network-scripts/ifcfg-eth0:pr

etc/sysconfig/network-scripts/ifcfg-eth0:br

etc/sysconfig/network-scripts/ifcfg-eth0:bws

etc/sysconfig/network-scripts/ifcfg-usb0

etc/sysconfig/network-scripts/ifcfg-eth0

Export of the Active partition configuration using the partmgr utility

Active Partition Config.txt

Export of the /WideSpan/snmp configuration directory

snmp.config.tar

Export of the params configuration files directory /stage/params

params.config.tar

Table 3.0 DRA backup manifest

Backup file manifest

[**N/A for non-SLF nodes**]

Parmdb files for all the the configured instances:

BPCdraslf-44REL-hga00a00008958.DRASLF.parmdb

BPCapps-44REL-hga00a00008958.SLF1_B.parmdb

BPCsnmp-44REL-hga00a00005376.SNMP.parmdb

BPCttdb-44REL-hga00a00007099.TimesTen.parmdb

Parmdb file for CTA instance

BWCcta-1.3.5-OAM00002667.CTA.parmdb

[**N/A for non-SLF nodes**]

Export of the Active partition configuration using the rgmgr utility

Active_Partition_Config.txt

Export of the CRM configuration using the crm CLI

crm_config.txt

[**N/A for non-SLF nodes**]

DRA/SLF specific configuration files

slf-config.xml

corosync.conf

dra-slf-config.xml

SDC configuration directory /opt/traffix/sdc/config

DRA_SDC.config.tar

SDC backup directory /opt/traffix/sdc/data/backup

DRA_SDC.backup.tar

COROSYNC configuration directory /etc/corosync

DRA_COROSYNC.config.tar

Package versions for all the installed packages both at a system and application level

PackageVersions.010212.txt

Export of the params configuration files directory /stage/params

params.config.tar

Relevant system -level configs

etc/cron.hourly/

etc/cron.hourly/mcelog.cron

etc/group

etc/hosts

etc/localtime

etc/logrotate.conf

etc/logrotate.d/

etc/logrotate.d/subscription-manager

etc/logrotate.d/yum

etc/logrotate.d/up2date

etc/logrotate.d/snmpd

etc/logrotate.d/ppp

etc/logrotate.d/syslog

etc/logrotate.d/rpm

etc/logrotate.d/bwc_debug

etc/logrotate.d/cups

etc/logrotate.d/mgetty

etc/logrotate.d/acpid

etc/logrotate.d/bwc_mwserver

etc/logrotate.d/bwc_oplog

etc/logrotate.d/psacct

etc/logrotate.d/conman

etc/logrotate.d/wpa_supplicant

etc/logrotate.d/setroubleshoot

etc/modprobe.conf

etc/ntp.conf

etc/passwd

etc/snmp/snmpd.conf

```
etc/ssh/sshd_config
etc/sysconfig/clock
etc/sysconfig/ip6tables-config
etc/sysconfig/iptables-config
etc/sysconfig/network
etc/sysconfig/selinux
etc/sysconfig/syslog
etc/sysctl.conf
etc/syslog.conf
etc/yum.repos.d/
etc/yum.repos.d/amdocs_bms.repo
etc/yum.repos.d/rhel-kanlinux53201.repo
etc/yum.repos.d/rhel-debuginfo.repo
etc/yum.repos.d/redhat.repo
etc/yum.repos.d/rhel-source.repo
WideSpan/config/mon/
WideSpan/config/kpi/kpi.config
WideSpan/config/kpi/polls
WideSpan/config/kpi/reports
var/spool/cron/
var/spool/cron/bwc
var/spool/cron/root
opt/Amdocs/backup_scripts/
opt/Amdocs/backup_scripts/README
opt/Amdocs/backup_scripts/DRA_Backup_v20.tar
opt/Amdocs/backup_scripts/system_backup_filelist.conf
opt/Amdocs/backup_scripts/DRA_Backup.sh
opt/Amdocs/backup_scripts/.DRA_Backup.sh.swp
opt/Amdocs/backup_scripts/.DRA_Backup.sh.swo
etc/inittab
etc/sysconfig/network-scripts/ifcfg-eth1
etc/sysconfig/network-scripts/ifcfg-eth0:br
etc/sysconfig/network-scripts/ifcfg-eth0
etc/sysconfig/network-scripts/ifcfg-eth0:bws
etc/sysconfig/network-scripts/ifcfg-usb0
etc/sysconfig/network-scripts/ifcfg-lo
etc/sysconfig/network-scripts/ifcfg-eth0:pr
```

Table 4.0 BMS backup manifest

Backup file manifest

Parmdb files for all the the configured instances:

BWCbms-1.3.1-OAM00001396.BMSPrimary.parmdb

BWCcta-1.3.1-OAM00001396.CTAPrimary.parmdb

Export of the BMS and CTA configuration directory \$INSTANCE/config

BMSPrimary.config.zip

CTAPrimary.config.zip

Export of the POSTGRES database (if configured)

pg_backup.tar

Package versions for all the installed packages both at a system and application level

PackageVersions.010212.txt

Relevant system -level configs

etc/cron.hourly/

etc/cron.hourly/mcelog.cron

etc/group

etc/hosts

etc/localtime

etc/logrotate.conf

etc/logrotate.d/

etc/logrotate.d/acpid

etc/logrotate.d/mgetty

etc/logrotate.d/httpd

etc/logrotate.d/cups

etc/logrotate.d/bwc_debug

etc/logrotate.d/syslog

etc/logrotate.d/iscsiuiolog

etc/logrotate.d/yum

etc/logrotate.d/snmpd

etc/logrotate.d/conman

etc/logrotate.d/rpm

etc/logrotate.d/psacct

etc/logrotate.d/bwc_mwserver

etc/logrotate.d/setroubleshoot

etc/logrotate.d/bwc_snmp

etc/logrotate.d/wpa_supplicant

etc/logrotate.d/ppp

etc/logrotate.d/up2date

etc/logrotate.d/bwc_oplog

etc/modprobe.conf

etc/ntp.conf

etc/passwd

etc/snmp/snmpd.conf

etc/sysconfig/ip6tables-config

etc/ssh/sshd_config etc/sysconfig/clock

```
etc/sysconfig/iptables-config
etc/sysconfig/network
etc/sysconfig/selinux
etc/sysconfig/syslog
etc/sysctl.conf
etc/syslog.conf
etc/yum.repos.d/
etc/yum.repos.d/amdocs_bms.repo
etc/yum.repos.d/rhel-debuginfo.repo
etc/yum.repos.d/redhat_5.7_bms.repo
etc/yum.repos.d/rhel-kanlinux51141.repo
WideSpan/config/mon/
WideSpan/config/mon/repltestMonitor.cfg
WideSpan/config/mon/oplogMonitor.cfg
WideSpan/config/mon/syslogMonitor.cfg
WideSpan/config/mon/oraclelogMonitor.cfg
WideSpan/config/mon/rmslogMonitor.cfg
WideSpan/config/mon/alert.cfg
WideSpan/config/mon/monitor.cfg
WideSpan/config/kpi/kpi.config
WideSpan/config/kpi/polls
WideSpan/config/kpi/reports
var/spool/cron/
var/spool/cron/root
var/spool/cron/bpc
var/spool/cron/bwc
opt/Amdocs/backup_scripts/
opt/Amdocs/backup_scripts/opt/
opt/Amdocs/backup_scripts/opt/Amdocs/
opt/Amdocs/backup_scripts/opt/Amdocs/backup_scripts/
opt/Amdocs/backup_scripts/opt/Amdocs/backup_scripts/BMS_Backup.sh
opt/Amdocs/backup_scripts/opt/Amdocs/backup_scripts/system_backup_filelist.conf
opt/Amdocs/backup_scripts/README
etc/sysconfig/network-scripts/ifcfg-lo
etc/sysconfig/network-scripts/ifcfg-eth1
etc/sysconfig/network-scripts/ifcfg-eth0:pr
etc/sysconfig/network-scripts/ifcfg-eth0:br
etc/sysconfig/network-scripts/ifcfg-eth0:bws
etc/sysconfig/network-scripts/ifcfg-usb0
```

etc/sysconfig/network-scripts/ifcfg-eth0

Export of the /WideSpan/snmp configuration directory

snmp.config.zip

Export of the params configuration files directory /stage/params

params.config.zip

Table 5.0 SDB backup manifest

Backup file manifest

FULL ONLINE BACKUP

fulldb_0ln23hkm_1_1
fulldb_0mn23hkm_1_1
fulldb_ctl_c-3775664486-20120130-00
arch_0on23hl1_1_1
arch_0pn23hl1_1_1
arch_0qn23hl9_1_1
arch_0rn23hle_1_1
arch_0sn23hlk_1_1

arch_ctl_c-3775664486-20120130-01

Parmdb file for CTA instance

BWCcta-1.3.5-OAM00002667.CTA.parmdb

Relevant system -level configs

etc/cron.hourly/ etc/cron.hourly/mcelog.cron etc/group etc/hosts etc/localtime

etc/logrotate.conf etc/logrotate.d/

etc/logrotate.d/bwc_oplog

etc/logrotate.d/bwc_debug

etc/logrotate.d/yum

etc/logrotate.d/acpid

etc/logrotate.d/bwc_mwserver

etc/logrotate.d/psacct

etc/logrotate.d/wpa_supplicant

etc/logrotate.d/rpm

etc/logrotate.d/mgetty

etc/logrotate.d/up2date

etc/logrotate.d/cups

etc/logrotate.d/conman

etc/logrotate.d/syslog

etc/logrotate.d/setroubleshoot

etc/logrotate.d/bwc snmp

etc/logrotate.d/ppp

etc/modprobe.conf

etc/ntp.conf

etc/passwd

etc/ssh/sshd_config

etc/sysconfig/clock

etc/sysconfig/ip6tables-config

etc/sysconfig/iptables-config

etc/sysconfig/network

etc/sysconfig/selinux

etc/sysconfig/syslog

etc/sysctl.conf

etc/syslog.conf

etc/yum.repos.d/

etc/yum.repos.d/redhat 5.7 bms.repo

etc/yum.repos.d/amdocs_bms.repo

etc/yum.repos.d/rhel-debuginfo.repo

etc/yum.repos.d/rhel-kanlinux51141.repo

etc/yum.repos.d/rhel-source.repo

WideSpan/config/mon/

WideSpan/config/mon/monitor.cfg

WideSpan/config/mon/.rmslogMonitor.cfg.installed.BWSmon

WideSpan/config/mon/.monitor.cfg.installed.BWSmon

WideSpan/config/mon/.oraclelogMonitor.cfg.installed.BWSmon

WideSpan/config/mon/.repltestMonitor.cfg.installed.BWSmon

WideSpan/config/mon/.oplogMonitor.cfg.installed.BWSmon

WideSpan/config/mon/syslogMonitor.cfg

WideSpan/config/mon/repltestMonitor.cfg

WideSpan/config/mon/.alert.cfg.installed.BWSmon

WideSpan/config/mon/alert.cfg

WideSpan/config/mon/oplogMonitor.cfg

WideSpan/config/mon/rmslogMonitor.cfg

WideSpan/config/mon/.syslogMonitor.cfg.installed.BWSmon

WideSpan/config/mon/oraclelogMonitor.cfg

WideSpan/config/kpi/kpi.config

WideSpan/config/kpi/polls

WideSpan/config/kpi/reports

var/spool/cron/

var/spool/cron/root

var/spool/cron/oracle

var/spool/cron/bwc

opt/Amdocs/backup scripts/

opt/Amdocs/backup_scripts/SDB_Backup_v23.tar

opt/Amdocs/backup_scripts/system_backup_filelist.conf

opt/Amdocs/backup_scripts/.SDB_Backup.sh.swo

opt/Amdocs/backup_scripts/SDB_Backup.v20.tar

opt/Amdocs/backup_scripts/SDB_Backup.sh

opt/Amdocs/backup_scripts/README

opt/Amdocs/backup_scripts/opt/

opt/Amdocs/backup_scripts/opt/Amdocs/

opt/Amdocs/backup_scripts/opt/Amdocs/backup_scripts/

opt/Amdocs/backup_scripts/opt/Amdocs/backup_scripts/system_backup_fileli

opt/Amdocs/backup_scripts/opt/Amdocs/backup_scripts/SDB_Backup.sh

etc/inittab

etc/sysconfig/network-scripts/ifcfg-lo

etc/sysconfig/network-scripts/ifcfg-eth1

etc/sysconfig/network-scripts/ifcfg-eth0

etc/sysconfig/network-scripts/ifcfg-usb0

Package versions for all the installed packages both at a system and application level

PackageVersions.010212.txt

Oracle Network configuration directory /u01/app/oracle/product/11.2server/network/admin

SDB.config.tar

Export of the /WideSpan/snmp configuration directory

snmp.config.tar

Export of the Provisioning Server directory / WideSpan/config/provserver

provserver.config.tar

Export of the params configuration files directory /stage/params

params.config.tar

Table 6.0 SWITCH backup manifest

Backup file manifest

Switch configuration

getcfg-020112-192.168.155.48

Switch images

getimg1-020112-192.168.155.48 getimg2-020112-192.168.155.48

Switch boot file

getboot-020112-192.168.155.48