

Subscriber Networks

DBDS Utilities 5.1

Description

DBDS (Digital Broadband Delivery System) Utilities 5.1 offers several new and improved software scripts and tools for optimizing system performance. DBDS Utilities 5.1 replaces DBDS Utilities 4.1 for System Release (SR) 2.2, SR 2.5, SR 3.2, SR 3.3, SR 3.5, and SR 4.0.

For ease-of-use, the scripts on the DBDS 5.1 Utilities CD are organized into the following four categories:

- **DNCS Utilities** – Includes scripts for monitoring, testing, and maintaining specific tasks performed by the Digital Network Control System (DNCS)
- **Cool Tools** – Includes backup, memory, and diagnostic scripts to aid system operators
- **DHCT Status Utilities** – Provides utilities for reporting on non-responding Digital Home Communication Terminals (DHCTs) and monitoring the rate of DHCT sign-ons
- **Doctor** – Now packaged separately. Includes reports to display expanded system status information

Features

- A new DNCS utility to convert POD IDs and MAC addresses of Multi-Stream CableCARD™ modules (podConvert)
- The Doctor report now checks and reports on the file size of the SAM URL bulk table
- The DHCT Status Reporting utility can now save 7 days of non-contiguous data

Utilities Included

Application Server Utilities All New!	
addRppvAuth and removeRppvAuth	Authorizes and deauthorizes a DHCT for a reservation pay-per-view (RPPV) event
advanchk, immedchk, indexchk, and servchk	Converts binary pay-per-view (PPV) and impulse pay-per-view (IPPV) data to text format
evtdef and genPpvFromlpg	Generates test PPV data
ipgFileDump	Converts binary Interactive Program Guide (IPG) data to text format
ipgUpdate	Forces an immediate update of the Broadcast File System (BFS) server with IPG data
purge_ipg_data	Deletes IPG data from the database

Cool Tools	
2way2oos	Changes the system status of specified DHCTs to “out-of-service” (oos) in order to reclaim and re-use the IP addresses
bkchk	Notifies you of the status of the database backup process
convertIP	Converts IP addresses between decimal and dotted-decimal format, and vice-versa
dblook	Queries the database for information related to DHCTs, QAMs, MQAMs, QPSKs, and the BFS server
emm_check	Examines the database proactively for EMMs about to expire
emmlst	Tracks the progress through the database of the emmDistributor program
getEASdata	Troubleshoots the DBDS EAS
IIH	Allows you to send Business Operations Support System (BOSS) transactions, such as reboot and “instant hit” transactions, to a DHCT or group of DHCTs for troubleshooting billing system performance
listQpsk	Provides the number of DHCTs that have signed on to the network for each QPSK
mirrState	Disables and re-enables the mirroring functions of the Sun E450 and V880 platforms during DNCS upgrades or maintenance operations
modDhctCfg	Transmits the ModifyDhctConfiguration transaction to DHCTs. The ModifyDhctConfiguration transaction modifies the status and authorizations of one or more DHCT records
savecore	Saves core memory files for later examination
syncwait	Notifies you of the status of the DNCS mirror synchronization process during installation of a system release

DHCT Status Utilities	
DHCT Status Reporting Updated!	Reports non-responding DHCTs installed on the DBDS
signonCount	Helps system operators monitor the rate at which DHCTs sign on to the network

DNCS Utilities	
check_metadevices	Reports the status of the metadevices, such as the controllers for mirrored and hot-spare disk drives on the Sun E450 and V880 DNCS platforms
checkDB	Checks and outputs data on the integrity of DHCT records in the database, deletes orphaned records, produces a list of records missing DHCT serial numbers, and identifies records that have Entitlement Management Messages (EMMs) about to expire
dbOptimizer	Deletes extraneous staging EMMs from the DNCS database for DHCTs that have already been staged
del-hct-cd	Deletes old, "out-of-service" DHCT entries from the Informix database to permit insertion of new or updated return material authorization (RMA) data
delete-sm	Resets DHCT configurations in order to refresh the staging EMMs
dncsDbData	Loads and unloads the DNCS Informix database
doctor	Updated! Produces a system configuration report that includes Code Version Table (CVT) and expanded database status information
eutdump	Displays the contents of an EUT (Entitlement Unit Table) file, which associates session IDs with entitlement IDs
hostnmchg	Allows you to change the hostname and IP address of the DNCS and Application Server; then, automatically updates all associated files with the name and address change
keyFileFinder	Identifies specific files or service packages that may be lost or overwritten during a DNCS upgrade, and then records them to a log file
parselppvRept	Converts binary IPPV purchase data to text format to facilitate quick review and analysis
podConvert	New! Converts the CableCARD MAC address to the cableCARD POD ID, and vice-versa
qtail and sesstail	Displays log files of DNCS processes and the dsm process for video-on-demand (VOD) session related activities
runCvtGroup	Allows you to create a list of DHCTs in a text file and then associate that file with a specified CVT download group
slotchk	Checks that all required PCI cards are installed in the proper DNCS slots
smMix	Generates a histogram showing the distribution of DHCT EMMs in the system by expiration date
tellDhct	Queries the database for information related to DHCT conditional access, return path, staging, and its Hub/Model/Rev data
tellDhctlInfo	Provides authorization data about a single DHCT or a list of DHCTs
updateOUI	Changes the OUI of DHCTs in systems that have upgraded to PowerTV® Operating System 3.1

Ordering Information

Contact your Sales Representative for product availability in your area.

Description	Part Number
DBDS Utilities 5.1 Software and documentation included	745444 Rev H
Publications Only	4000728 Rev G
Software Only (CD)	745443 Rev F



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Scientific-Atlanta, Inc.
1-800-722-2009 or 770-236-6900
www.scientificatlanta.com

Part Number 7000385 Rev E
January 2007