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Technical Support Identification (TSID) Number

- Before contacting Technical Support, you need your product unique TSID number. The TSID number identifies your product and support status.
- The TSID number is included on a white, bar-coded label, like this example:

```
| TSID: PTNINNNNNYYYYW |
| (TP) PRODUCT PN: PPPPPPPP | |
| (SP) PRODUCT S/N: X000000000XX |
```

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This chapter explains how your Adaptec RAID controllers support the use of the ARCCONF command line utility.

This utility allows you to:

- Create and delete logical drives
- Display and modify configuration settings
- Copy configurations from one computer to another
- Recover from a failed physical device and rebuild an affected logical drive
- Flash new firmware and BIOS onto the controller
- Enable the controller to check the removal and connection of any disk drives
- Automatically update Windows drivers
- Provides access to the status and event logs of a controller
- Isolate problems and determine their causes
Installing the Command Line Utility

The ARCCONF command line utility is provided on the Adaptec Storage Manager installation CD. The utility is automatically installed in the same directory as Adaptec Storage Manager and must remain there.

Installing on Windows

To install ARCCONF on Windows systems:

1. Start the computer.
2. After Windows starts, insert the Adaptec Storage Manager CD.
3. When the installation program starts, follow the on-screen instructions.

Installing on Linux

To install ARCCONF on Linux systems:

1. Start the computer.
2. After Linux starts, insert the Adaptec Storage Manager CD.
3. Mount the Adaptec Storage Manager CD:
   - Red Hat—mount /dev/cdrom /mnt/cdrom
   - SuSE—mount /dev/cdrom /media/cdrom
4. Change to the cdrom directory:
   - Red Hat—cd /mnt/cdrom/linux/manager
   - SuSE—cd /media/cdrom/linux/manager
5. Extract the RPM package and install it:
   - rpm --install ./StorMan*.rpm
6. Unmount the Adaptec Storage Manager CD:
   - Red Hat—umount /mnt/cdrom
   - SuSE—umount /media/cdrom

Installing on OpenServer and UnixWare

To install ARCCONF on OpenServer and UnixWare systems:

1. Insert the Adaptec Storage Manager installation CD in the CD drive.
2. Mount the Adaptec Storage Manager installation CD:
   - mount -r -F cdfs /dev/cdrom/cdromdevicefile /mnt
   - where cdromdevicefile is the device file, for example, c0b0t010, for the CD block device.
   - To determine the actual filename, look in the /dev/cdrom directory.
3. Use pkgadd to install Adaptec Storage Manager:
   - pkgadd -d /mnt/unixware/manager/RaidMan.ds (for UnixWare)
   - pkgadd -d /mnt/openserv6/manager/RaidMan.ds (for OpenServer 6)
4 Follow the instructions on the screen to complete the installation.

5 Unmount the CD drive:
   
   unmount /mnt

**Installing on Solaris**

To install ARCCONF on Solaris systems:

1 Insert the Adaptec Storage Manager Installation CD.

   The CD mounts automatically. (If it doesn’t, manually mount the CD using a command similar to the one shown below. Refer to your operating system documentation for detailed instructions.)
   
   mount -F hsfs -o ro /dev/dsk/c1t0d0s2 /mnt

2 Install Adaptec Storage Manager:
   
   pkgadd -d /mnt/solaris/manager/StorMan.ds

3 Follow the on-screen instructions to complete the installation.

   Eject or unmount the Adaptec Storage Manager Installation CD. Refer to your operating system documentation for detailed instructions.

**Installing on FreeBSD**

To install ARCCONF on FreeBSD systems:

1 Insert the Adaptec Storage Manager Installation CD.

2 Mount the Adaptec Storage Manager installation CD:
   
   mount /cdrom /mnt

   **Note:** Your CD-ROM drive may have a different device name or path.

3 Copy the ARCCONF file to the local hard drive:
   
   cp -p /cdrom/freebsd(version)/cmdline/arcconf/(root or other directory)

4 Change to the ARCCONF installation directory, then enter this command:
   
   chmod +x arcconf

5 Unmount the Adaptec Storage Manager Installation CD. Refer to your operating system documentation for detailed instructions.

**Installing on VMWare**

To install ARCCONF on VMWare systems:

1 Insert the Adaptec Storage Manager Installation CD.

2 Mount the Adaptec Storage Manager installation CD:
   
   mount -r /dev/cdrom /mnt/cdrom

3 Extract the Linux Adaptec Storage Manager RPM package and install it:
   
   rpm --install ./StorMan*.rpm
Note: Ignore the note saying "Application can be started by typing /usr/StorMan/StorMan.sh". VMWare does not support the Adaptec Storage Manager GUI.

4 Change to the /usr/StorMan directory, then enter this command:
   chmod +x arcconf

5 Unmount the Adaptec Storage Manager Installation CD. Refer to your operating system documentation for detailed instructions.

## Starting the Command Line Utility

To start ARCCONF, enter one of the following commands:

- Windows—<install_dir>\arcconf.exe
- Linux—/usr/<install_dir>/arcconf
- UnixWare/OpenServer—/opt/RaidMan/arcconf
- Solaris—/usr/StorMan/arcconf
- FreeBSD—/<install_dir>/arcconf
- VMWare—/usr/StorMan/arcconf

*Install_dir* is the directory where the utility is installed.

To see a list of available commands, type ARCCONF at the prompt. The utility command functions are detailed in the next chapter, *Using the Command Line Utility*. 
In this chapter...

ARCCONF Commands

This chapter explains how to use the command line utility interactively or in batch mode. With interactive mode, enter commands at the prompt. In batch mode, create scripts and run the script in the appropriate shell. For example:

<table>
<thead>
<tr>
<th>Environment</th>
<th>Batch File</th>
<th>Run Script</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows</td>
<td>.bat</td>
<td>CMD.EXE</td>
</tr>
<tr>
<td>Linux/Unix</td>
<td>.sh</td>
<td>sh / bash</td>
</tr>
</tbody>
</table>

In either mode, if your command fails, you immediately see an error message of Command failed. Other script messages that you can get are Command completed successfully, or Command aborted.

The return values for each command are the same:

- **0x00**: SUCCESS
- **0x01**: FAILURE - The requested command failed
- **0x02**: ABORT - The command was aborted because parameters failed validation
- **0x03**: INVALID_ARGUMENTS - The arguments are incorrect. (Displays COMMAND help)

Available commands are described on the following pages, in alphabetical order. To access a list of commands, type ARCCONF and press Enter.

To access the online help for a specific command, type ARCCONF <command>, then press Enter.
ARCCONF Commands

Perform the following functions from the command line:

| ARCCONF COMMANDS |
|-------------------|----------------|----------------|----------------|
| copyback          | getlogs        | romupdate      | setpriority    |
| create            | getstatus      | setalarm       | setstate       |
| datascrub         | getversion     | setcache       | snapshot       |
| delete            | identify       | setconfig      | task           |
| driverupdate      | key            | setname        |                |
| failover          | modify         | setperform     |                |
| getconfig         | rescans        | setpower       |                |

**Note:** In the online command syntax, <> indicates a required parameter and [] indicates an optional parameter.

**arcconf copyback**

Enables or disables the copyback feature, which attempts to keep drives in the original slot order after rebuilds.

**Syntax**

ARCCONF COPYBACK <Controller#> <ON|OFF>

**Parameters**

Controller# is the controller number

On enables the copyback feature

Off disables the copyback feature

**Example**

ARCCONF COPYBACK 1 ON
**arcconf create**

Creates a new logical drive or JBOD. You must provide the channel and device ID of the physical devices.

On redundant logical drives, ARCCONF performs autosynchronization.

ARCCONF presents JBODs as physical devices, not logical drives.

**Syntax**

```
ARCCONF CREATE <Controller#> LOGICALDRIVE [Options] <Size> <RAID#> <CHANNEL#> <DRIVE#> [CHANNEL# DRIVE#] ... [noprompt]
```

```
ARCCONF CREATE <Controller#> LOGICALDRIVE RVOLUME <LD#> <LD#> [LD#] ... [noprompt]
```

```
ARCCONF CREATE <Controller#> JBOD <CHANNEL#> <DRIVE#> [CHANNEL# DRIVEX] ... [noprompt]
```

**Parameters**

- **Controller#** is the controller number.
- **Logical Drive** indicates the logical drive stripe size with the following options:
  - **Stripesize <STRIPE>**—Allows the logical drive stripe size to be built. Optional parameters for specifying a stripe size. STRIPE is specified in kilobytes 16, 32, 64, 128, 256, 512 and 1024 are supported. The default is 256KB.
  - **Legs <LEG>**—Optional parameters for specifying number of legs. Value is an integer.
  - **RAID 50/60—2 - 16 legs, 3 - 16 drives/leg, 48 drives max.**
  - **Name <NAME>**—Optional parameter for specifying the alias name of a logical device that is displayed in the utilities. Value is a string of up to 16 characters.
  - **Priority <PRIORITY>**—Initialization Priority for logical drive to be created. Valid options are: **HIGH, MED, or LOW.**
  - **Method <METHOD>**—Initialization method for the logical drive. Valid options include: **BUILD, CLEAR, QUICK, SKIP.**
  - **Rcache**—The parameter to set the logical drive read cache.
    - **RON** - read cache on
    - **ROFF** - reach cache off
  - **Wcache**—The parameter to set the logical drive write cache.
    - **WT** - write-through disabled
    - **WB** - write-back enabled
    - **WBB** - write-back enabled (when protected by a battery)

- **Size** indicates the size of the logical drive in megabytes. Use MAX to set size to available space.
- **RAID#** indicates the RAID level for the new logical drive. 0, 1, 1E, 10, 5, 5EE, 50, 6, 60, and volume are supported.
- **Channel# Drive#** lists the space-delimited channel number and device number pairs for each device to add to the logical drive.
- **Rvolume** is the RAID level for a RAID volume logical drive.
- **LD#** is the logical drive numbers for two or more logical drives to be concatenated into the RAID volume.
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Noprompt: No prompt for confirmation

Examples
ARCCONF CREATE 1 LOGICALDRIVE STRIPESIZE 64 MAX 0 1 0 1 1 1 2 NOPROMPT
ARCCONF CREATE 1 JBOD 0 1 NOPROMPT

arcconf datascrub
Toggles the background consistency check modes of the controller.

Syntax
ARCCONF DATASCRUB <Controller#> <on|off|period <DAYS>> [noprompt]

Parameters
Controller# is the controller number.
On turns background consistency check on.
Off turns background consistency check off.
Period <DAYS> sets the number of days to complete the background consistency check. The minimum value is 10 days (quick), the maximum is 365 days (slow). Setting the period automatically turns background consistency check on.
Noprompt is an optional parameter that suppresses the confirmation prompt.

Example
ARCCONF DATASCRUB 1 PERIOD 30
ARCCONF DATASCRUB 1 OFF

arcconf delete
Deletes a logical drive or JBOD. All data stored on the logical drive or JBOD will be lost.
Spanned drives cannot be deleted with this function.

Syntax
ARCCONF DELETE <Controller#> LOGICALDRIVE <LogicalDrive#> <LD#> <LD#> [noprompt]
ARCCONF DELETE <Controller#> JBOD <CHANNEL# DRIVE#> [CHANNEL# DRIVE#] ... [noprompt]
ARCCONF DELETE <Controller#> LOGICALDRIVE|JBOD ALL [noprompt]

Parameters
Controller# is the controller number
LogicalDrive# is the number of the logical drive to be deleted.
LogicalDrive|JBOD ALL deletes all logical drives or JBODs.
Noprompt is an optional parameter that suppresses alert messages.

Example
ARCCONF DELETE 1 LOGICALDRIVE 1 2 3
ARCCONF DELETE 1 JBOD ALL
**arcconf driverupdate**

Updates Windows device drivers. When given a directory name, it will attempt to update a
driver to the version found in the given directory.

**Note:** This command is available only on Windows systems.

**Syntax**

ARCCONF DRIVERUPDATE <DirName>

**Parameters**

Driverupdate <DirName> is the directory path containing the driver that you want to update.

**Example**

ARCCONF DRIVERUPDATE C:\WINDOWS\ALL

---

**arcconf failover**

Turns automatic failover on and off.

**Syntax**

ARCCONF FAILOVER <Controller#> <on|off>

**Parameters**

Controller# is the controller number.

On turns the controller failover mode on.

Off turns the controller failover mode off.

**Example**

ARCCONF FAILOVER 1 ON

---

**arcconf getconfig**

Lists information about the controllers, logical drives, and physical devices. This information
can include (but is not limited to) the following items:

- Controller type
- BIOS, boot block, device driver, and firmware versions
- Logical drive status, RAID level, and size
- Physical device type, device ID, presence of PFA
- Physical device state
- Enclosure information: fan, power supply, and temperature status

**Syntax**

ARCCONF CONFIG <Controller#> [AD/LD/PD/AL]

**Parameters**

Controller# is the controller number

AD/LD/PD/AL options:

- AD—Adapter information only
Chapter 2: Using the Command Line Utility

- LD—Logical drive information only
- PD—Physical device information only
- AL—All information (optional)

**Example**

```
ARCCONFIG GETCONFIG 1 AD
```

**arcconf getlogs**

Obtains controller log information.

Provides access to the status and event logs of a controller. You can retrieve three types of logs:

- DEVICE—A log of any device errors the controller has encountered.
- DEAD—A log that records any occurrences of defunct devices.
- EVENT—A log of special events that may have occurred (e.g., rebuilds, LDMs, etc.).
- CLEAR—Optional, clears the specified controller log.

**Syntax**

```
ARCCONFIG GETLOGS <Controller#> <Type> [clear]
```

**Parameters**

- **Controller#** is the controller number
- **Type** is one of the following types of log to retrieve:
  - DEVICE
  - DEAD
  - EVENT
  - CLEAR

**Example**

```
ARCCONFIG GETLOGS 1 DEVICE
```

**arcconf getstatus**

The GETSTATUS function displays the status of any background command that is currently running. Including information about the most recent rebuild, synchronization, logical-drive migration, and compaction/expansion. The information includes the type of operation, status, logical drive number, logical drive size, and percentage of the operation completed.

**Note:**

1. GETSTATUS reports currently active operations for both ARCCONFIG commands and commands issued from the Adaptec Storage Manager.
2. GETSTATUS reports verify, clear, initialize, and secure erase operations on physical devices.
3. GETSTATUS only reports active operations. It does not display information if the operation is completed.

**Syntax**

```
ARCCONFIG GETSTATUS <Controller#>
```
Parameters
Controller# is the controller number

Example
ARCCONF GETSTATUS 1

**arcconf getversion**
Lists version information for all controllers or a specific controller’s software components, including information about the BIOS, driver, firmware currently running, and firmware that will run after a reboot.

**Note:** The firmware version that will run after a reboot is called the “staged” firmware.

 Syntax
ARCCONF GETVERSION (use this for information on all controllers)
ARCCONF GETVERSION <Controller#> (use this for information on a specific controller)

Parameters
Controller# is the controller number

Example
ARCCONF GETVERSION

**arcconf identify**
Identifies a physical or logical device by blinking its LEDs.

 Syntax
ARCCONF IDENTIFY <Controller#> LOGICALDRIVE <LogicalDrive#>
ARCCONF IDENTIFY <Controller#> DEVICE <Channel#> <ID>

Parameters
Controller# is the controller number
LogicalDrive# is the number of the logical drive to be identified
Channel# is the channel number for the device to be identified
Device# is the device number for the device to be identified

Example
ARCCONF IDENTIFY 1 DEVICE 0 0
ARCCONF IDENTIFY 1 ALL

**arcconf key**
Loads a feature key onto an Adaptec controller.

 Syntax
ARCCONF KEY <Controller#> SET <Key#>

Parameters
Controller# is the controller number
Key# is the key number provided by Adaptec

**Example**

ARCCONF KEY 1 SET ABCD EFGH IJKL MNOP QRST UVWX

**arccconf modify**

Morphs a logical device from one raid level to another (RAID Level Migration). Expands a logical device from original to one with larger capacity (Online Capacity Expansion). Can be used to make mirrored sets.

**Syntax**

MODIFY <Controller#> FROM <LogicalDrive#>
TO [Options] <Size> <RAID#> [CHANNEL# DRIVE#] [CHANNEL# DRIVE#] [noprompt]

**Parameters**

Controller# is the controller number

From indicates that the logical drive to be modified will follow

LogicalDrive# is the logical drive number

TO indicates that the modifications will follow

Options:

- **Stripesize**—indicates the stripe size in KB. Options are 16, 32, 64, 128, 256, 512, and 1024. the default is 256KB.
- **init_priority**—is the priority level of the modification. Options are low, med, and high.
- **Legs**—is the number of subarrays for a RAID level-50 or RAID level 60 array. Possible values are 2-16 legs and 3-16 drives/leg (to 48 drives maximum).

Size is one of the following values:

- **MAX** indicates that you want to use all available space on the disk.
- **Desired size in MB.**

RAID# is the RAID level for the logical drive 0, 1, 5, 5EE, or 10.

**Note:** The CHANNEL# and DRIVE# parameters is the list of devices that will contain the target modification object.

Channel# is the channel number for the device.

Drive# is the device_ID (device number) for the device.

**Note:** Channel and device_ID are repeatable parameters.

Noprompt is an optional parameter that overrides the user prompt.

**Example**

ARCCONF MODIFY 1 FROM 1
**arcconf rescan**

Enables the controller to check for the removal of any disk drives in the ready state and to check for the connection of any new disk drives to the controller. The command returns when the rescan is complete.

**Syntax**

```
ARCCONF RESCAN <Controller#>
```

**Parameters**

Controller# is the controller number

**Example**

```
ARCCONF RESCAN 1
```

**arcconf romupdate**

Allows new firmware and BIOS to be flashed to the controller. A reboot is required for the new firmware to take effect.

**Note:**

1. This function is only supported in Windows and Linux.
2. Be sure to copy the *.UFI update files from the CD and not from the BIOS/Firmware update diskettes.

**Syntax**

```
ARCCONF ROMUPDATE <Controller#> <BaseName>
```

**Parameters**

Controller# is the controller number

BaseName is the name of the ROM image basename or the fully qualified name if you have a set of controller ROM images.

**Note:** All UFI files must be in the same directory prior to invoking ARCCONF. If you are copying UFI files from floppy images, be sure to check all images.

**Example**

```
ARCCONF ROMUPDATE 1 AC2200
ARCCONF ROMUPDATE 1 AC220001.UFI
```
arcconf setalarm

Sets the state of the controller audible alarm, if present.

**Syntax**

ARCCONF SETALARM <Controller#> <on|off|silence|test>

**Parameters**

Controller# is the controller number
On enables the alarm
Off disables the alarm
Silence quiets the currently sounding alarm
Test triggers the alarm

**Example**

ARCCONF SETALARM 1 TEST
ARCCONF SETALARM 1 SILENCE

arcconf setcache

Changes a logical drive’s cache mode.

**Syntax**

ARCCONF SETCACHE <Controller#> LOGICALDRIVE <LogicalDrive#> <cache mode>
[noprompt]
SETCACHE <Controller#> DEVICE <Channel> <ID> <cache mode>

**Parameters**

Controller# is the controller number
LogicalDrive# is the number of the logical drive whose cache will be altered
Logical drive cache modes:

- RON - read cache on
- ROFF - read cache off
- WT - write through disabled
- WB - write back enabled
- WBB - write back battery enabled (when protected by a battery)

Channel/ID lists the space-delimited channel number and device number pairs for each device to add to the logical drive.

Physical device cache modes:

- WT - write through disabled
- WB - write back enabled

**Example**

ARCCONF SETCACHE LOGICALDRIVE 1 RON
ARCCONF SETCACHE DEVICE 0 0 WB
**arcconf setconfig**

Resets the controller’s configuration. Logical drives are deleted, hard disks are reset to the READY state, and any controller settings are reset to default values.

**Syntax**

```
ARCCONF SETCONFIG <Controller#> DEFAULT [noprompt]
```

**Parameters**

- **Controller#** is the controller number
- Default restores the controller’s default configuration.
- Noprompt: No prompt for confirmation.

**Example**

```
ARCCONF SETCONFIG 1 DEFAULT
```

**arcconf setname**

Renames a logical drive.

**Syntax**

```
ARCCONF SETNAME <Controller#> LOGICALDRIVE <LogicalDrive#> <New Name>
```

**Parameters**

- **Controller#** is the controller number
- **LogicalDrive#** is the number of the logical drive to be renamed
- **New Name** is the new name of the logical drive

**Example**

```
ARCCONF SETNAME 1 LOGICALDRIVE 1 BACKUP_A
```

**arcconf setperform**

Changes controller settings based on the application.

**Syntax**

```
ARCCONF SETPERFORM <Controller#> <Performance Mode>
```

**Parameters**

- **Controller#** is the controller number.
- Performance Mode is 1 (DYNAMIC/Default) or 2 (OLTP/Database).

**Example**

```
ARCCONF SETPERFORM 1 2
```

**arcconf setpower**

Changes power management settings for disk drives on a controller or logical drive.

**Syntax**

```
ARCCONF SETPOWER <Controller#> Stayawake DISABLE|<starttime> <endtime>
ARCCONF SETPOWER <Controller#> Spinup <internal#> <external#>
ARCCONF SETPOWER <Controller#> LD <LogicalDrive#> DISABLE|[SLOWDOWN <st#>] [POWEROFF <pt#>] [VERIFY <vt#>]
```
Parameters
Controller# is the controller number.

Stayawake sets the stayawake period for the disk drives on the controller. During the stayawake period, the disk drives always operate at their peak spin rate.

Disable is a keyword that disables the stayawake period for the disk drives on a controller.

starttime specifies the beginning of the stayawake period, in the form HHMM (24-hour format).

endtime specifies the end of the stayawake period, in the form HHMM (24-hour format).

Spinup sets the spin-up limits for the controller—the maximum number of drives that the controller may spin up at one time.

internal# is the maximum number of internal drives that the controller may spin up at one time, from 0-20.

external# is the maximum number of external drives (such as the drives in a JBOD) that the controller may spin up at one time, from 0-20.

LogicalDrive# is the logical drive number.

Slowdown st# sets the disk drive slow-down timer, in minutes. Valid values are 0 (never), 3, 5, 10, 20, 30, 60, 120, 180.

Poweroff pt# sets the disk drive power-off timer, in minutes. Valid values are 0 (never), 3, 5, 10, 20, 30, 60, 120, 180.

Verify vt# sets the period of inactivity, in hours, after which an inactive drive (a drive that’s already powered down) is restarted to verify its operating condition. Once the check is completed, the drive is powered down and returns to its inactive state. Valid values are 0 (never), 1, 2, 3, 8, 12, 24.

Note: For the Slowdown, Poweroff, and Verify timers, st# must be less than pt#, and pt# must be less than vt#. You can set one or more timers, in any order, in a single command. Keep in mind that the Verify timer, vt#, is specified in hours; the other two timers are specified in minutes.

Examples
ARCCONF SETPOWER 1 STAYAWAKE DISABLE
ARCCONF SETPOWER 1 SPINUP 4 4
ARCCONF SETPOWER 1 LD 2 POWEROFF 60
ARCCONF SETPOWER 1 LD 2 SLOWDOWN 20 POWEROFF 60 VERIFY 12

arccconf setpriority
Changes a task’s execution priority or a controller’s global background task priority.

Syntax
ARCCONF SETPRIORITY <Controller#> [TASK ID] <New Priority> [current]

Parameters
Controller# is the controller number.

Task ID is the number of the task to be changed. Use arccconf getstatus to obtain the task ID. Omit this parameter to set the controller’s global background task priority; that is, the execution priority for all tasks on the controller.
New Priority is: LOW, MEDIUM, or HIGH.
Current (keyword) applies a global task priority change to running tasks. By default, a global priority change does not apply to running tasks.

**Example**

```
ARCCONF SETPRIORITY 1 <task_id> HIGH
ARCCONF SETPRIORITY 1 LOW CURRENT
```

**arcconf setstate**

Changes the state of a physical device from its current state to the designated state (Hot spare).

**Syntax**

```
ARCCONF SETSTATE <Controller#> DEVICE <Channel#> <Device#> <State> [LOGICALDRIVE <LD#>[LD#] ... ]
```

**Parameters**

- Controller# is the controller number
- Channel# is the channel number for the drive
- Device# is the device number for the device.
- LD# parameters are used to create an assigned hot spare.

**State:**
- HSP—Create a hot spare from a ready drive
- RDY—Remove a hot spare designation
- DDD—Force a drive offline

**Example**

```
ARCCONF SETSTATE 1 DEVICE 0 0 HSP LOGICALDRIVE 1 2 3
ARCCONF SETSTATE 1 DEVICE 0 0 RDY LOGICALDRIVE 2
```

**arcconf snapshot**

Create or manage a logical drive snapshot.

**Syntax**

```
ARCCONF SNAPSHOT <Controller#> <COMMAND> ... [noprompt]
```

**Parameters**

- Controller# is the controller number

**Commands:**
- map—display logical drives and any snapshot state.
- stop <Logicaldrive#>—Remove the snapshot associated with the given Logical drive.
- backup <source Logicaldrive#> <target Logicaldrive#>—Create a new snapshot, copying the full contents of the source to the target.
- nobackup <source Logicaldrive#> <target Logicaldrive#>—Create a new snapshot, copying only changes to the source to the target.

**Noprompt:** No prompt for confirmation.
Example
ARCCONF SNAPSHOT 1 MAP

arcconf task
Performs a task on a logical drive.

Syntax
ARCCONF TASK
TASK START <Controller#> LOGICALDRIVE <LogicalDrive#> <options>[noprompt]
TASK STOP  <Controller#> LOGICALDRIVE <LogicalDrive#>
TASK START <Controller#> DEVICE <Channel> <ID> <options>[noprompt]
TASK STOP  <Controller#> DEVICE <Channel> <ID>

Parameters
Controller# is the controller number
LogicalDrive# is the number of the logical drive in which the task is to be performed

- Logical drive options:
  - verify_fix (Verify with fix)—verifies the logical drive redundancy and repairs the drive if bad data is found.
  - verify—verifies the logical drive redundancy without repairing bad data.
  - clear—removes all data from the drive.

- Physical device options:
  - verify_fix—verifies the disk media and repairs the disk if bad data is found.
  - verify—verifies the disk media without repairing bad data.
  - clear—removes all data from the drive.
  - initialize—returns a drive to the READY state (erases the metadata).
  - secureerase—removes all data from the drive in a secure fashion to prevent any possible recovery of the erased data.

Example
ARCCONF TASK START 1 LOGICALDRIVE 1 VERIFY
ARCCONF TASK START 1 DEVICE 0 0 INITIALIZE