HQ Snapshot

- Choice and flexibility
- Sophisticated on demand media systems and digital advertising systems
- Powerful, scalable on demand management and technical business tools

Overview

HQ Snapshot is a collection of software modules that run on two matching AlphaServer Headquarters (HQ) computers: a master HQ and a clone HQ. HQ Snapshot provides a "warm spare" backup of the master HQ that can be brought online in minutes in case of a catastrophic failure. Current ad spots, HQ configuration, and system information are backed up from the master HQ to the clone HQ. If the master HQ goes down, the clone HQ takes over ad insertion operations so that ad revenue continues to be generated.

HQ Snapshot provides a quickly deployable HQ backup, including spots stored on the master HQ RAID. HQ Snapshot does not provide a permanent spot archive. As the RAID on the master HQ fills over time and old spots are deleted, these spots are also automatically deleted from the clone HQ.

For a permanent spot archiving solution, ask your ARRIS sales professional about the ability of the Bit Rate and High-Definition Transcode products to write spots to a network attached storage (NAS) server.

Features

- Rapid recovery of a SkyVision Headquarters (HQ) in case of power interruption, disaster or catastrophic failure
- If a master HQ goes down, a clone HQ can be brought on-line in minutes to keep ad insertion operations running
- Provides backup of:
  - Ad spots stored on HQ RAID
  - HQ configuration
  - System information
- Master and clone can be in different physical locations
- Runs automatically and invisibly in the background

Hardware Requirements

- If one clone HQ supports two or three master HQs, all master HQs must share the same /raid directory. Three master HQs maximum can be supported by one clone HQ in this manner.
- Master and clone HQ servers must be on the same high speed network subnet. Full T-1 minimum; 100BaseT recommended.
- Spot storage capacity on the clone HQ must equal or exceed spot storage capacity on the master HQ(s).
- Clone and master HQ servers must have the same disk partition configuration.
- Clone HQ must have at least 2GB of swap space and 1GB of RAM.

Software Requirements

- Master HQ(s) and clone HQ servers must run Tru64 Unix 5.1a, 5.1b, 5.1b-1, or 5.1b-2. The versions do not need to be identical.
- Master HQ(s) and clone HQ servers must run the same version of Oracle software and database (currently 8.1.6).
- NFS must be set up between the master HQ(s) and the clone.

Backup Recommendations

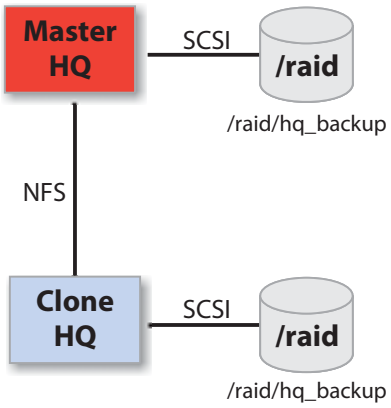
Backup modules in HQ Snapshot run as Unix cron jobs. Below are suggestions for cron frequency intervals.

System Configuration: Suggested interval: weekly. This module saves system, network, and environment files such as routing tables and network configuration information. This information rarely changes.

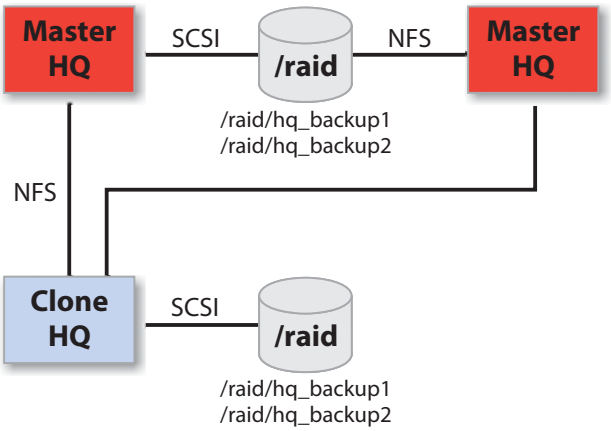
Database: Suggested interval: weekly. This module saves files needed to recreate the SkyVision configuration such as headend configuation and channel ID information. It does not back up the entire database contents.

Ad Spots: Suggested interval: at least twice daily. For example, after the main encoding and spot distribution process is completed for the day and again at midnight to capture any late-arriving spots. More frequent intervals can be configured if needed though care should be taken not to needlessly waste network bandwidth.

Single Master System



Multiple Master System



HQ Snapshot supports one to three master HQs. The Multiple Master System (above, right) shows two master HQs. In Multiple Master configuration, all master HQs must share the same /raid directory.

The capabilities, system requirements and/or compatibility with third-party products described herein are subject to change without notice. ARRIS, the ARRIS logo, C3™, C4®, CableEdge®, Cadant®, C-COR®, CHP Max®, Cornerstone®, CXM™, D5™, Digicon®, Flex Max®, Keystone™, MONARCH®, nS™, nABLE™, NSM®, nVision®, PLEXiS®, Regal®, ServAssure™, TeleWire Supply®, Touchstone®, VoiceAssure™, and WorkAssure™ are all trademarks of ARRIS Group, Inc. Other trademarks and trade names may be used in this document to refer to either the entities claiming the marks and the names of their products. ARRIS disclaims proprietary interest in the marks and names of others. © Copyright 2008 ARRIS Group, Inc. All rights reserved. Reproduction in any manner whatsoever without the express written permission of ARRIS Group, Inc., is strictly forbidden. For more information, contact ARRIS.

HQSNAP-D-0308

www.arrisi.com