Cisco StadiumVision
StadiumVision Director Server Redundancy Guide

Version 2.3.x

May 2011

Corporate Headquarters
Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
http://www.cisco.com
Tel: 408 526-4000
800 553-NETS (6387)
Fax: 408 526-4100
Table of Contents

Introduction ..................................................................................................................................................3
Assumptions ...............................................................................................................................................3
Caveats and Limitations ...............................................................................................................................3
Promoting the Secondary Stadium Vision Director Server .................................................................4
Promoting the Secondary CUAE Server .....................................................................................................6

Document History

Table 1. Revision History

<table>
<thead>
<tr>
<th>Date</th>
<th>Revision</th>
<th>Author</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>April 4, 2011</td>
<td>Rev 0</td>
<td>Steven Smith</td>
<td>First Edition</td>
</tr>
</tbody>
</table>
Introduction

This document describes how to promote the secondary SVD server to be the primary server in case of failure. For information about backups and how to restore them, please reference the Backing Up and Restoring StadiumVision Director document.

This document also includes instructions when the backup CUAE server needs to be put into service.

Overview

This process takes the secondary server and makes it the primary and removes the old primary from the network. In doing so, the secondary server takes the IP address of the primary. Services on the secondary started up, and if in the middle of an event, a new script must be run to control the DMPs with the secondary server. This will cause a disruption in service.

Assumptions

- The backup StadiumVision Director server is on the same subnet as the primary.
- The backup CUAE server is configured to work with the primary StadiumVision Director server.
- StadiumVision Director is using Eth0 and CUAE is using Nic 1.
- The CUAE c:\phoneImages directory should have the same content on both servers.
- Failover procedures requires root access to StadiumVision.

Caveats and Limitations

This process is not automatic and requires a minimum of 30 minutes to complete. After the steps are completed, a script push will be required if you are in an active event, which can take up to 40 minutes. When pushing the script again, there will be a service interruption.
Promoting the Secondary StadiumVision Director Server

To promote the secondary server, make sure there is a good backup on the secondary server. Refer to the *Backing Up and and Restoring StadiumVision Director Guide* for procedures.

1. After you have ensured there is a good backup on the secondary server, start the StadiumVision Director services on the secondary. Log into the server via an ssh client and enter the following commands.

   ```
   sudo service mysql start  
sudo service liferay start  
sudo service svd start  
sudo service httpd start
   ```

2. After the services are started, enter the following commands so that in case of a reboot, the services startup automatically

   ```
   sudo /sbin/chkconfig httpd on  
sudo /sbin/chkconfig liferay on  
sudo /sbin/chkconfig mysql on  
sudo /sbin/chkconfig svd-aim on  
sudo /sbin/chkconfig svd-config on  
sudo /sbin/chkconfig svd-control on  
sudo /sbin/chkconfig svd-hornetq on  
sudo /sbin/chkconfig svd-monitor on
   ```

3. At this point, start the restore process listed in the *Backing Up and Restoring StadiumVision Director* guide.

4. After the restore is complete, shutdown the primary server. Login into the primary server via an ssh client and enter the following commands. This will prevent the services from starting up in case of a reboot of the primary server.

   ```
   sudo /sbin/chkconfig httpd off  
sudo /sbin/chkconfig liferay off  
sudo /sbin/chkconfig mysql off  
sudo /sbin/chkconfig svd-aim off  
sudo /sbin/chkconfig svd-config off  
sudo /sbin/chkconfig svd-control off  
sudo /sbin/chkconfig svd-hornetq off  
sudo /sbin/chkconfig svd-monitor off
   ```

5. After stopping the services, shutdown the primary server. To do this, issue the following command.

   ```
   sudo shutdown -h now
   ```
6. At this time, the primary server is shutting down. Log back into the secondary server and shutdown the StadiumVision Director services.

   sudo service httpd stop
   sudo service svd stop
   sudo service liferay stop
   sudo service mysql stop

7. Change the IP address of the secondary server to the IP address that the primary server was using. Use the following command to change the IP address:

   sudo system-config-network
   sudo service network restart

8. Reconnect to the server using your ssh client and the new IP address. You will now start the StadiumVision Director services again.

   sudo service mysql start
   sudo service liferay start
   sudo service svd start
   sudo service httpd start

9. Go into the Management Dashboard and do a Get Status for a few DMPs. Make sure you have communication between the DMP’s and StadiumVision Director. Verify that all of the content is on this server.

10. Push a script to control the DMPs. Depending on the size of your implementation, this could take up to 40 minutes.
Promoting the Secondary CUAE Server

If you have not done so, make sure that all custom images in the c:\phoneImages directory that are on the primary CUAE server are on the secondary CUAE server in the same directory using the same names.

1. Log into StadiumVision Director Dashboard.

2. In the registry, change the cuaehost registry entry to the IP address of the secondary server.

3. Log out of the dashboard.

4. Log back into the dashboard and go into the service monitor and press the green arrow next to CUAE. You should get a green check box.

5. Verify phones are able to control TVs.