Customer Installation Instructions

TS7520 Patch Update for 3954-CV6 Virtualization Engine

IBM

> **update-ve138202** - Fixes issue with TS3100 and TS3200 library configuration on clients such as Windows, AIX, and Linux using the IBM device driver.
>
> TS7520 Software Version 2.1 (Build 1382)
> Patch update-ve138202

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Patch update-ve138202

Before Installation (Section 1 through 5)

1.0 Machines Affected

This is a field patch installation instruction for the TS7520 3954-CV6 Virtualization Engine.

This patch should be installed on all TS7520 systems, with software version 2.1 (Build 1382 with patch update-ve138201b) that do not have patch update-ve138202 installed. TS7520 systems without this patch may experience problems with TS3100 and TS3200 library configuration on clients such as Windows, AIX, and Linux using the IBM device driver.

You can check the version of TS7520 software and determine whether or not the patch is already installed, using the VE Console *Version Info* tab (refer to Figure-1).
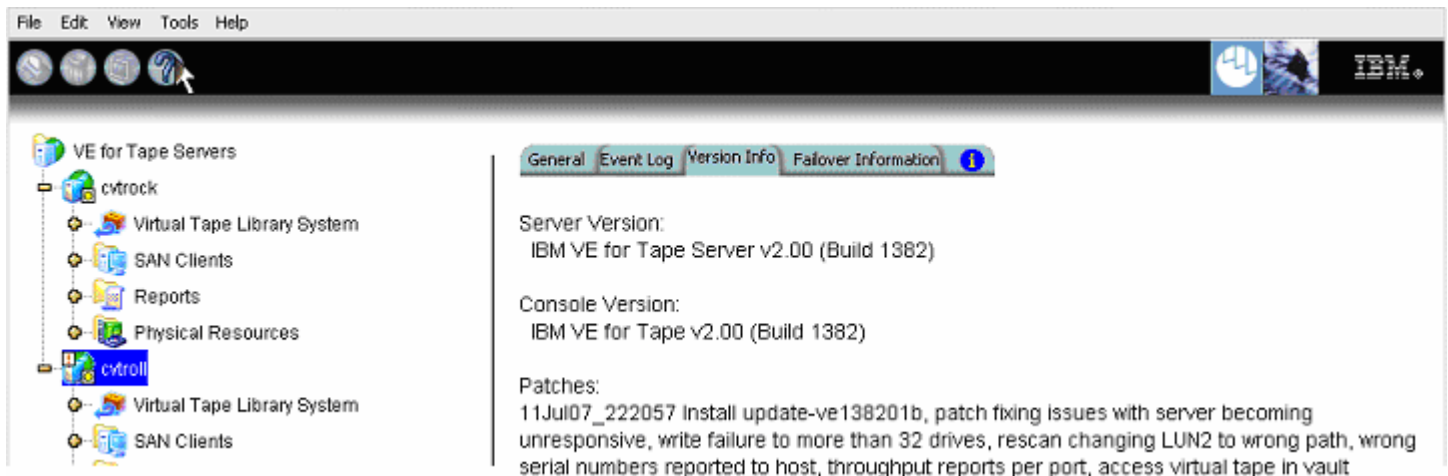

Figure-1

2.0 Prerequisites

Ensure that patch update-ve138201b is already installed on the system.

Obtain the latest Installation Instruction and the patch file
      Patch filename: update-ve138202

Installation of this patch is disruptive to normal TS7520 operation. Application of the patch will cause the 3954-CV6 server software to shutdown and restart. Schedule time when the TS7520 system can be taken out of normal operation.

3.0 Preparation

Installation of this patch is disruptive to normal TS7520 operation. Application of the patch will cause the 3954-CV6 server software to shutdown and restart. Schedule time when the TS7520 system can be taken out of normal operation.

Ensure that all host jobs to the TS7520 are quiesced, and complete all pending TS7520 operations.

Transfer the patch file (update-ve138202) into a directory on the VE Console.

For HA configurations (FC-7420 Failover/Failback Enable), use the VE Console to Suspend Failover on both 3954-CV6 servers. Refer to Figure-2 and Figure-3, and use the following procedure to Suspend Failover **on each server (both the upper and lower server if in an HA environment)**.

1. Login to the VE for Tape server, or highlight the VE for Tape server if already connected. The login userid is "vetapeuser" and the password is "veuserpassword"
2. With your mouse Right-click on the VE Console, a context menu will appear, select *Failover*, then select *Suspend Failover*.
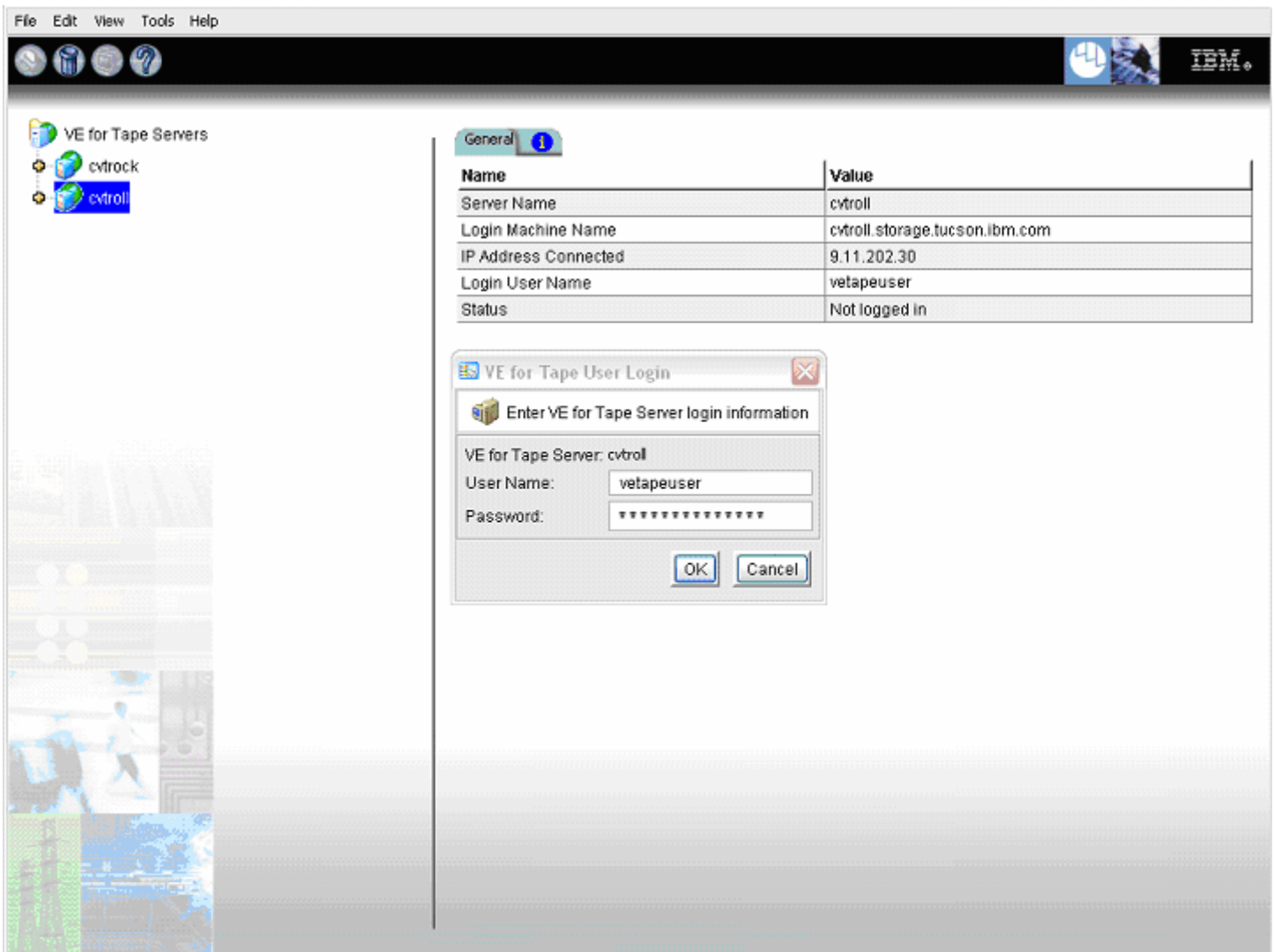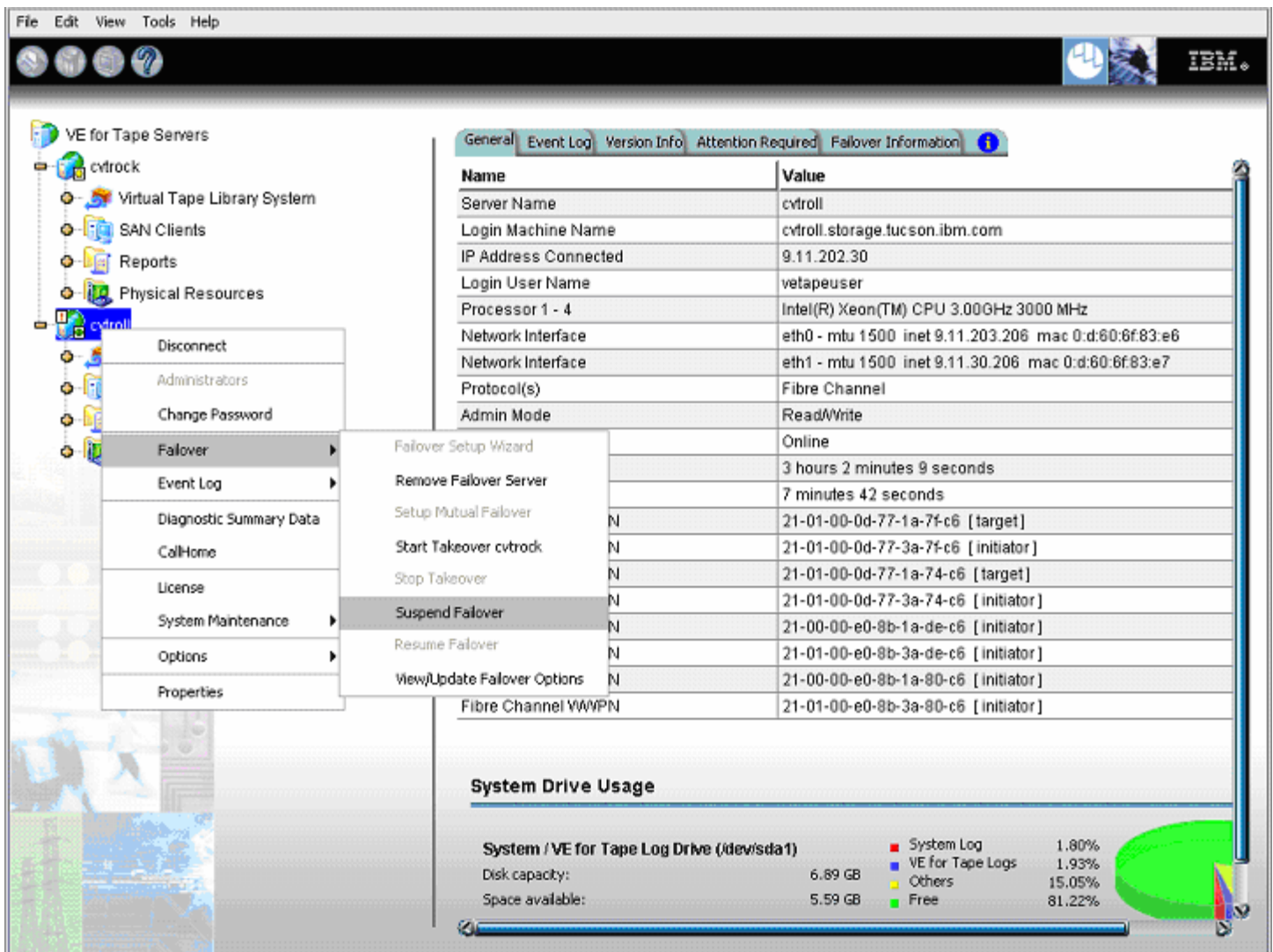

Figure-2

Figure-3

Note: After suspending failover, the CVT server's IP address assigned to eth0 will now be the secondary IP address. Therefore, it is recommended that when you connect via the console to the server you use the hostname (for example Fred.IBM.com) versus the IP address (for example 9.xxx.xxx.xxx), or you may have to re-execute the setipandhostname.pl script.

4.0 Purpose and Description

This patch should be installed on all TS7520 systems, with software version 2.1 (Build 1382), that do not have the patch installed. TS7520 systems without this patch may experience problems with TS3100 and TS3200 library configuration on clients such as Windows, AIX, and Linux using the IBM device driver.

5.0 Installation Time

The average time to install this patch on a HA configuration is 1.0 hour. The number of persons required to install the patch is 1.

Installation (Section 6 through 7)

6.0 Details of Installation

6.1 Patch Installation

Use the VE Console *Add Patch* option to install the patch. Refer to Figure-4 through Figure-7 and **use the following procedure to install the patch on each 3954-CV6 VE for Tape server (both the upper and lower server if in an HA environment).**

1. Highlight the VE for Tape server, select the *Tools* button on the Menu bar, and select *Add Patch* (Figure-4)
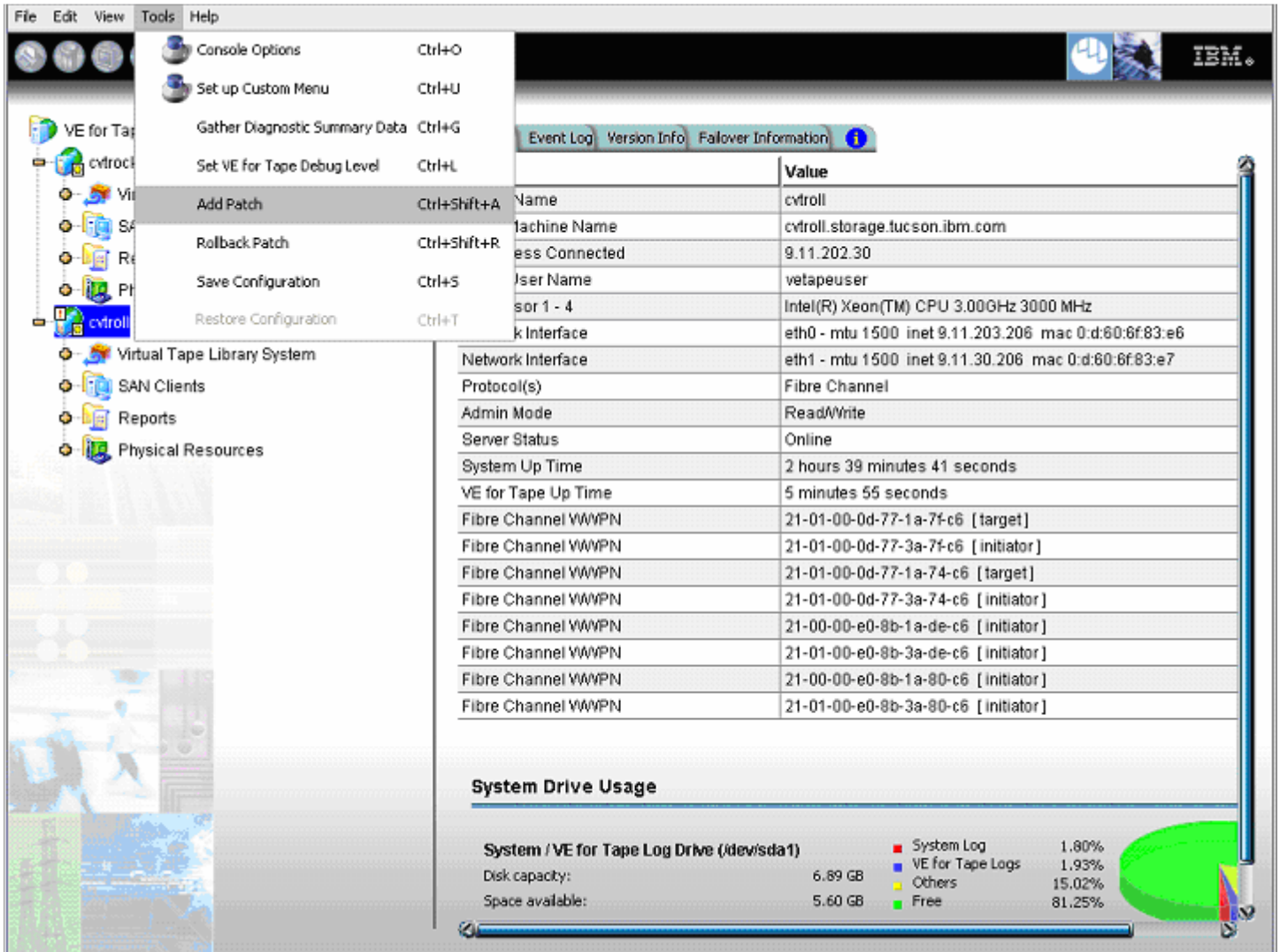

Figure-4

2. Select "OK" when presented with the following Warning Message (Figure-5)

Warning:
Applying a server patch may cause the server to restart. Please make sure there is no critical operation running on the server before proceeding. Applying the wrong patch may make the server inoperable.
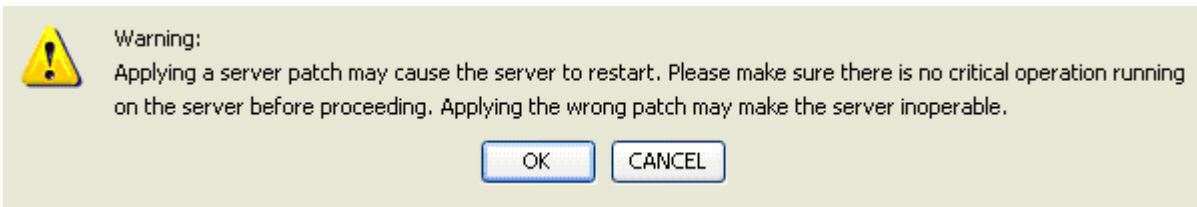
[OK]   [CANCEL]

Figure-5

3. When presented with the Select Patch File window (Figure-6), index to the VE Console directory where the *update-ve138202* patch file resides and select the file.
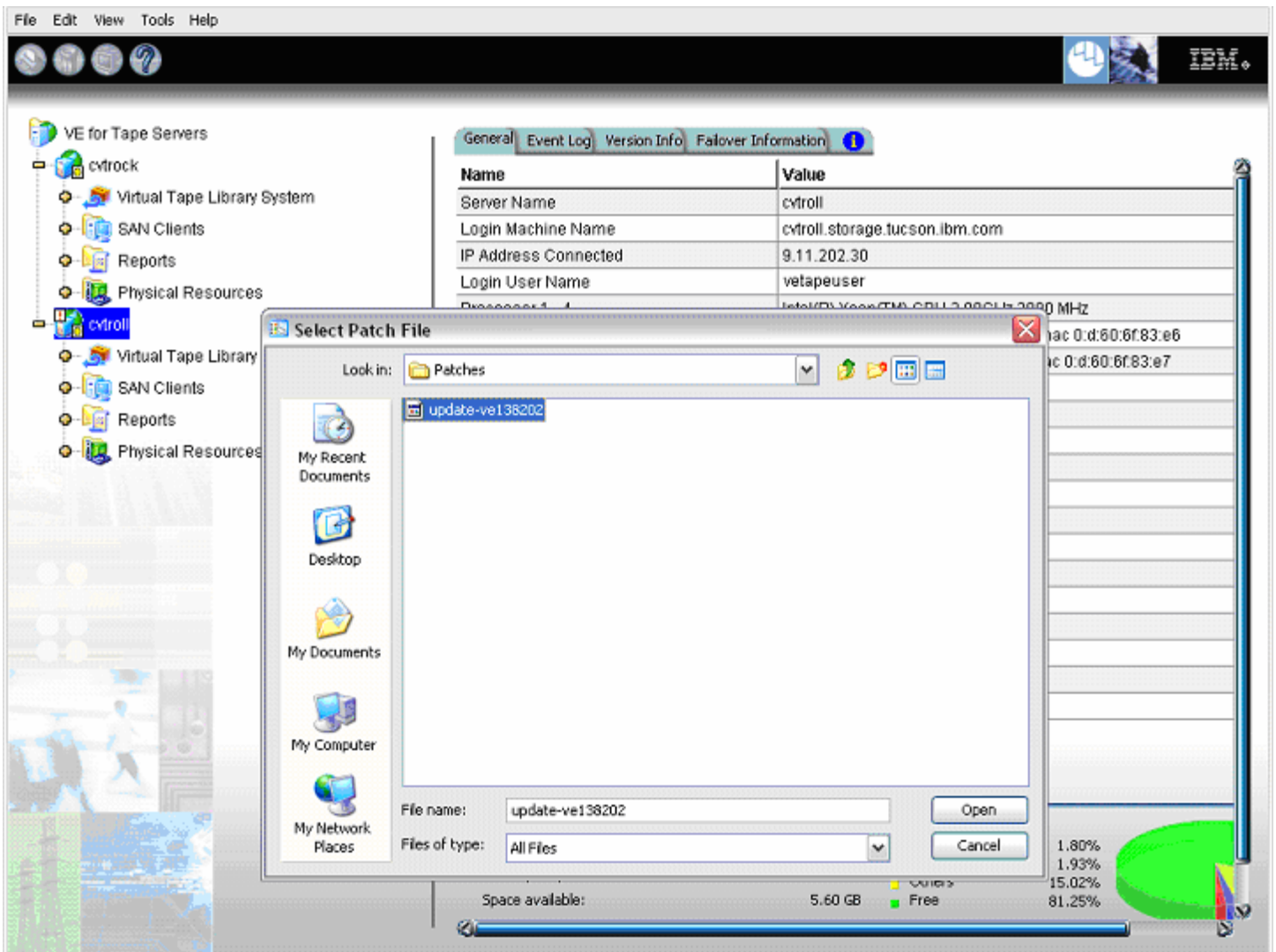

Figure-6

4. When presented with the confirmation window, type "YES" to confirm (Figure-7)

Please confirm you wish to add patch:
"update-ve138202"

Description:
"patch fixing issue with TS3100 and TS3200 library configuration on clients such as Windows, AIX, and Linux using IBM device driver"

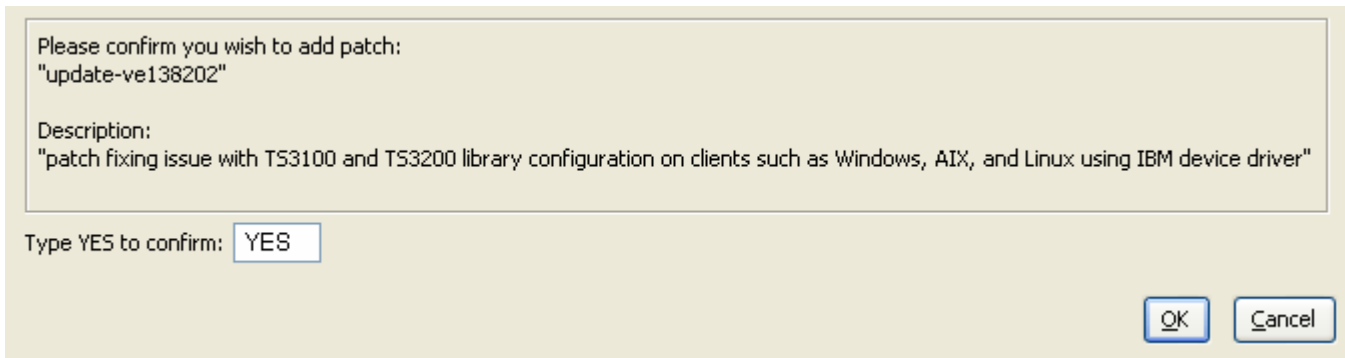Type YES to confirm: YES

OK   Cancel

Figure-7

5. The server software will shutdown and restart (Figure-8). The VE Console will be disconnected from the VE for Tape server (Figure-9). Once the server software has completed the restart (approximately 30 seconds) you will be able connect to the VE for Tape server from the VE Console (Figure-10).
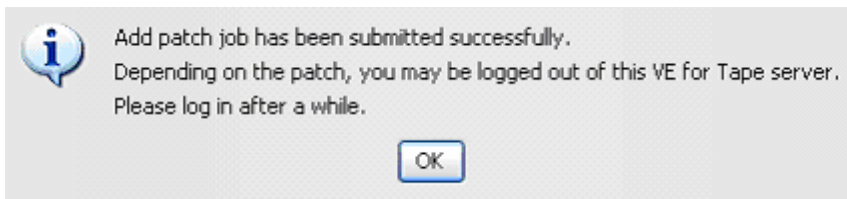
Add patch job has been submitted successfully.
Depending on the patch, you may be logged out of this VE for Tape server.
Please log in after a while.

OK

Figure-8

File Edit View Tools Help

IBM.

VE for Tape Servers

General

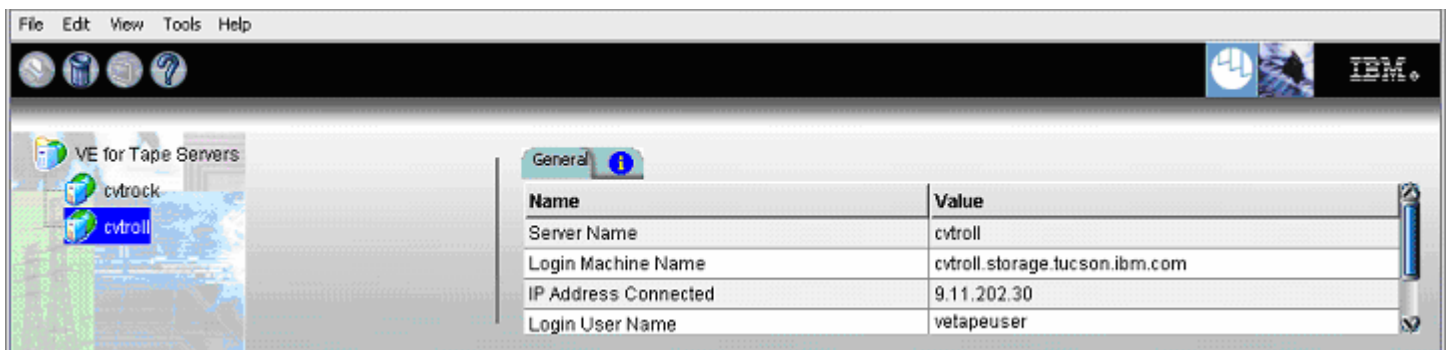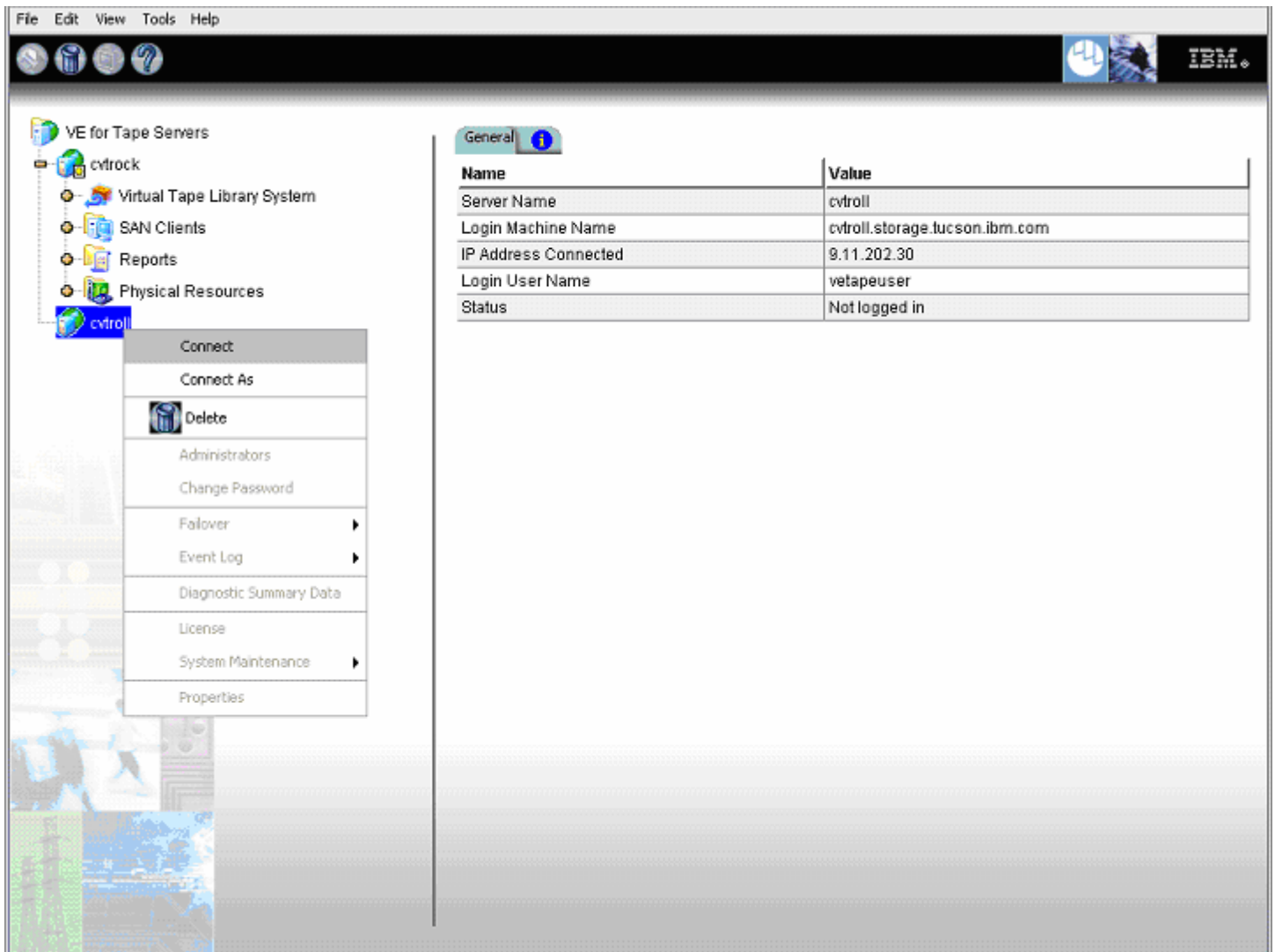| Name	Value
cvtrock	
cvtroll	
Server Name	cvtroll
Login Machine Name	cvtroll.storage.tucson.ibm.com
IP Address Connected	9.11.202.30
Login User Name	vetapeuser

Figure-9

Figure-10

Check the TS7520 Event Log of each server, using the VE Console *Event Log* tab, to confirm the successful installation of the patch (refer to Figure-11). There should be an Event Log entry stating the "Patch update-ve138202 installation completed successfully". **Note**: you may have to scroll through the log in order to find this entry depending on the configuration of your CVT.
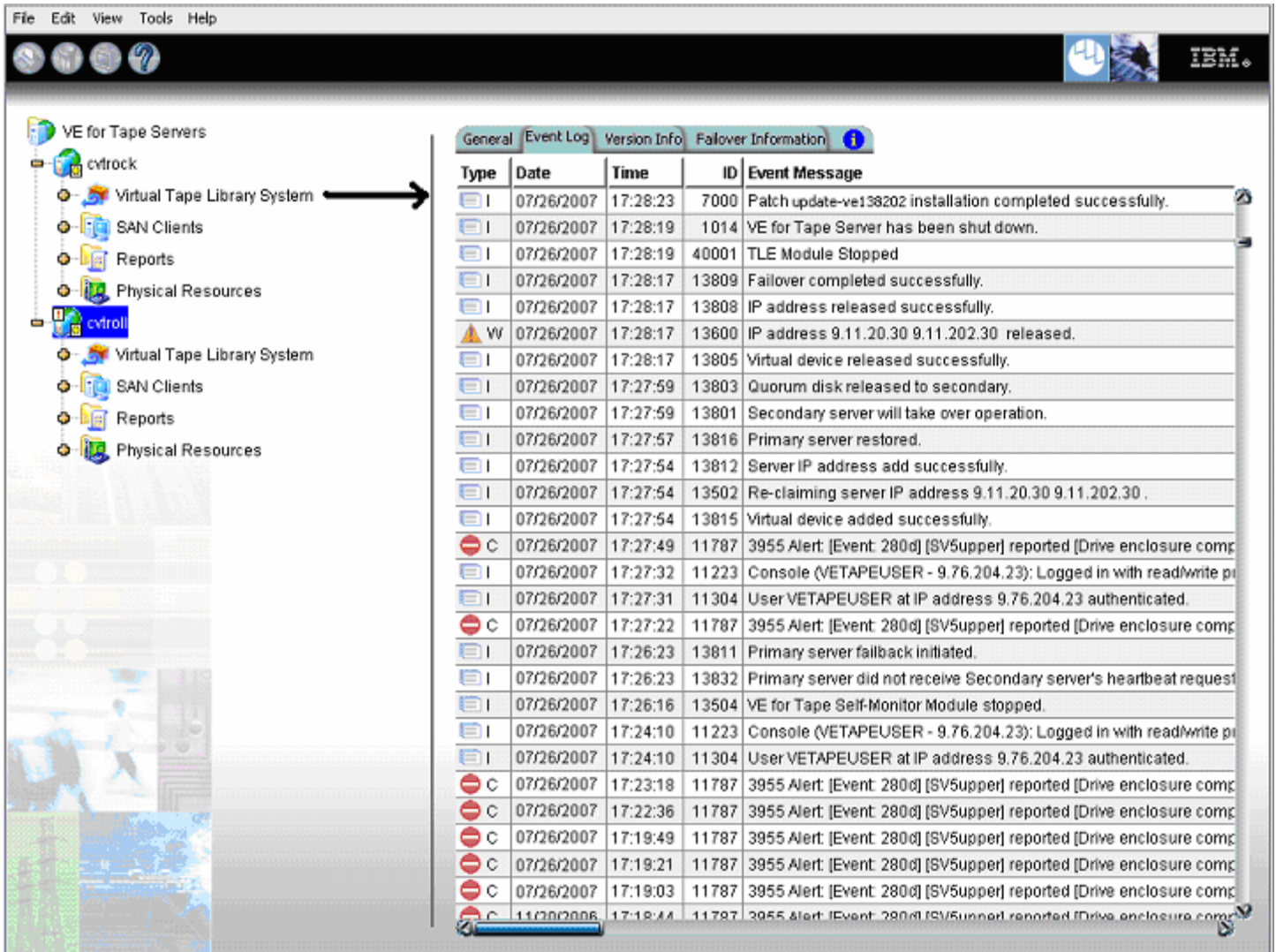

Figure-11

6.2 Resume Failover

For HA configurations (FC-7420 Failover/Failback Enable), use the VE Console to Resume Failover on both 3954-CV6 servers. Refer to Figure-3 and the following procedure to Resume Failover **on each server (both the upper and lower server if in an HA environment).**

1. Highlight the VE for Tape server
2. With your mouse Right-click on the VE Console, a context menu will appear, select *Failover*, then select *Resume Failover*.

7.0 Test Procedure

7.1 Check Patch Installation

Check the TS7520 Event Log of each server, using the VE Console *Event Log* tab, to confirm the successful installation of the patch (refer to Figure-11, top entry in log). There should be an Event Log entry stating the "Patch update-ve138202 installation completed successfully". **Note**: you may have to scroll through the log in order to find this entry depending on the configuration of your CVT.

If the patch installed successfully the customer can resume normal operations.
Contact the IBM Support Center if the patch installation did not complete successfully.