Analyzing and Repairing SVC Errors

Introduction

As part of running the IBM TotalStorage SAN Volume Controller, you must check and analyze the error logs. The SVC will notify you when errors occur. The errors will show up on the LCD screen of the node or you can get error notifications via the SVC.

The following types of events and errors are logged in the error log:

- Events - State changes that are detected by the cluster software and that are logged for informational purposes. Events are recorded in the cluster error log.
- Errors - Hardware or software problems that are detected by the cluster software and that require some sort of repair. Errors are recorded in the cluster error log.
- Unfixed errors - Errors that were detected and recorded in the cluster error log and that have not yet been corrected or repaired.
- Fixed errors - Errors that were detected and recorded in the cluster error log and that have subsequently been corrected or repaired.

The standard procedure is to call up the error log, analyze each unfixed error and have the SVC fix the error.

In this lab, you learn how to access the error log, view the details of each specific error and the have the SVC fix the errors.

Instructions

Begin by accessing the error log.

1. Click **'Service and Maintenance'** from on the left of the browser window.
2. Click **'Analyze Error Log'** from the Service and Maintenance submenu.

Since you want to see all errors and events, leave the default options and click **Process**.

3. Click the 'Process' button.

All of the current errors and events are listed. To look at the details of an error, click the underlined numbered link of the error.

4. Click the underlined '106' link under Sequence Number.

The SVC displays the details of error sequence number 106. To fix errors with the SVC, click on **Run Maintenance Procedures.**

5. Click the 'Run Maintenance Procedures' link from the Service and Maintenance submenu.

The next step is to have the SVC analyze the error log. The SVC will then guide you through the recommended service actions.

6. Click the 'Start Analysis' button.

The SVC analyzes the error log for unfixed errors. Click on the numbered Error Code link to view the details of an error and be guided through the maintenance procedures for that error.

7. Click the first underlined '1620' link under the Error code column.

The SVC displays a description of the error. Click **Continue** to have the SVC run discovery and repair the error.

8. Click the 'Continue' button.

The SVC confirms that the error has been fixed. Click **OK** to have the SVC mark the error as fixed.

9. Click the 'OK' button.

The SVC confirms that the error has been marked as fixed and that the repair has been completed. Click **Exit** to return to the error log.

10. Click the 'Exit' button.

Now move to the next error in the list.

11. Click the next underlined '1620' link under the Error code column.

The SVC once again displays a description of the error. Click **Continue** to have the SVC run discovery and repair the error.

12. Click the 'Continue' button.

The SVC confirms that the error has been fixed. Click **OK** to have the SVC mark the error as fixed.

13. Click the 'OK' button.

The SVC confirms that the error has been marked as fixed and that the repair has been completed. Click **Exit** to return to the error log.

14. Click the 'Exit' button.

Now move to the next error in the list.

15. Click the first underlined '1630' link under the Error code column.

The SVC once again displays a description of the error. Click **Continue** to have the SVC run discovery and repair the error.

16. Click the 'Continue' button.

The SVC confirms that the error has been fixed. Click **OK** to have the SVC mark the error as fixed.

17. Click the 'OK' button.

The SVC confirms that the error has been marked as fixed and that the repair has been completed. Click **Exit** to return to the error log.

18. Click the 'Exit' button.

Now move to the last error in the list.

19. Click the last underlined '1630' link under the Error code column.

The SVC once again displays a description of the error. Click **Continue** to have the SVC run discovery and repair the error.

20. Click the 'Continue' button.

The SVC confirms that the error has been fixed. Click **OK** to have the SVC mark the error as fixed.

21. Click the 'OK' button.

The SVC confirms that the error has been marked as fixed and that the repair has been completed. Click **Exit** to return to the error log.

22. Click the 'Exit' button.

All of the errors have now been fixed.

Congratulations! You have completed this lab.