Deciphering The TSM Schedule Log

Patrick Whitney

TSM Administrator Information Services & Technology





Deciphering The Log

- What is the schedule log?
- Identifying a message in the log
- Scheduler behavior
- Reading the log
- Need Assistance?

What is the schedule log?

- The TSM Client Scheduler creates a log of its activity
- This can be helpful for:
 - Verifying a backup
 - Troubleshooting an issue
 - An effective pre-slumber read

Messages

- All Error Messages Contain an Identifier
- ANS####?
 - i.e. ANS4007E Error processing '\\comp1\c\$\file.exe': access to the object is denied

6

- I = Information
- W = Warning
- E = Error

When are messages logged?

- The schedule log is updated:
 - Every 20 minutes if unable to connect.
 - Every 12 hours if
 scheduled backup is
 more than 12 hours
 away
 - During a backup

5

Searching the log

- Use the find utility in your text editor to search for specific strings
 - SCHEDULEREC STATUS BEGIN
 - SCHEDULEREC QUERY BEGIN
 - failed
 - AN
 - (you'll want to match case on this search)

TSM IT Partners Presentation - June 2006

Tips for searching

- Use notepad on windows
 - Scroll to the bottom and search up
- Use grep on Mac and *nix
 - Get the last backup summary grep -A 18 \
 'SCHEDULEREC STATUS BEGIN'\
 logname | tail -18

Sample

😰 TextPad - [Document1 *]	
🔚 File Edit Search View Tools Macros Configure Window Help	- 8 ×
	<u> </u>
3 05/17/2006 20:27:25 SCHEDULEREC STATUS BEGIN 4 05/17/2006 20:27:25 Total number of objects inspected: 73,566	
5 05/17/2006 20:27:25 Total number of objects backed up: 61,533	
6 05/17/2006 20:27:25 Total number of objects updated: 0 7 05/17/2006 20:27:25 Total number of objects rebound: 0	
8 05/17/2006 20:27:25 Total number of objects deleted: 0	
10 05/17/2006 20:27:25 Total number of objects failed: 12	
11 05/17/2006 20:27:25 Total number of bytes transferred: 199.19 NB 12 05/17/2006 20:27:25 Data transfer time: 22.91 sec	
13 05/17/2006 20:27:25 Network data transfer rate: 8,903.11 KB/sec	
14 05/17/2006 20:27:25 Aggregate data transfer rate: 127.68 KB/sec 15 05/17/2006 20:27:25 Objects compressed by: 18%	
16 05/17/2006 20:27:25 Elapsed processing time: 00:26:37 17 05/17/2006 20:27:25 SCHEDULEREC STATUS END	
18 05/17/2006 20:27:25 SCHEDULEREC OBJECT END DAVEK-TST 05/17/2006 20:00:00	
19 05/17/2006 20:27:25 Scheduled event 'DAVEK-TST' completed successfully. 20 05/17/2006 20:27:25 Sending results for scheduled event 'DAVEK-TST'.	
21 05/17/2006 20:27:26 Results sent to server for scheduled event 'DAVEK-TST'.	
22 23 05/17/2006 20:27:26 ANS1483I Schedule log pruning started. 24 05/17/2006 20:27:31 ANS1484I Schedule log pruning finished successfully.	
25 05/17/2006 20:27:31 Querving server for next scheduled event.	
26 05/17/2006 20:27:31 Node Name: PONG 27 05/17/2006 20:27:31 Session established with server BACKUP-B: Solaris 8/9	
28 05/17/2006 20:27:31 Server Version 5, Release 2, Level 4.4	
29 05/17/2006 20:27:31 Server date/time: 05/17/2006 20:27:28 Last access: 05/17/2006 20:00:47 30	
31 05/17/2006 20:27:32 SCHEDULEREC QUERY BEGIN 32 05/17/2006 20:27:32 SCHEDULEREC QUERY END	
33 05/17/2006 20:27:32 Next operation scheduled: 34 05/17/2006 20:27:32	
35 05/17/2006 20:27:32 Schedule Name: DAVEK-TST	
36 05/17/2006 20:27:32 Action: Incremental 37 05/17/2006 20:27:32 Objects: Incremental	
38 05/17/2006 20:27:32 Options: 39 05/17/2006 20:27:32 Server Window Start: 20:00:00 on 05/24/2006	
40 05/17/2006 20:27:32	
41 05/17/2006 20:27:32 Schedule will be refreshed in 12 hours.	
	~
	>

Read Ovr Block Sync Rec Caps

12

1

1

12:00 PM

TSM IT Partners Presentation - June 2006

I've never seen this before!

- Option files
 - Windows -> dsm.opt
 - Mac -> TSM System Preferences
 - *nix -> dsm.opt and dsm.sys
- Error log
- Description of problem or error

