z/OS V1R13

z/OS UNIX shells and utilities:
Provide script utility to log session

Overview

- **Problem statement**
  - As a z/OS UNIX shells and utilities user, I want to record my shell session activity
  - so that I can use the record for troubleshooting and documenting purposes.
- **Solution**
  - Provide the **script** command for z/OS 1.13. The **script** command makes a typescript of everything displayed on the terminal.
- **Benefits**
  - Records shell session activity in a way that is similar to other UNIX and Linux platforms.
  - Works with the /bin/sh and /bin/tcsh shells.
  - Works in the OpenSSH, rlogin, telnet and OMVS environments.

Usage and invocation

- The **script** command isn't listed in the UNIX standards (SUSv2 or SUSv3).
- z/OS **script** command is similar to the AIX **script** command.
- **Command usage: script [-aq] [file]**
  - 'a' option: Appends the typescript to the file (default is to overwrite).
  - 'q' option: Quiet mode. In quiet mode, all diagnostic messages are suppressed.
  - 'file' parameter: Typescript is written to the file specified by the file parameter (default is ./typescript).
- **Usage notes**
  - **script** writes everything in the typescript to the file including backspaces, prompts, etc. As a result, terminal modifying commands such as **vi** may create unexpected data in the typescript.
  - Ensure that access to the file containing the typescript is properly controlled since the file may contain sensitive data.
  - **script** does not support setting 3270 passthrough mode during the shell session.
  - **script** creates a new session and controlling terminal for the shell process.
  - Refer to z/OS 1.13 UNIX System Services Command Reference for more details and additional usage notes.
- **Example**
  - Session activity

```
RCHSHUT3: /tst/usr/wellie6> script
Script command is started.  The file is typescript.
RCHSHUT3: /tst/usr/wellie6> rm -v removeme*
removeme1
removeme2
removeme3
RCHSHUT3: /tst/usr/wellie6> exit
Script command is complete.  The file is typescript.
```

  - Typescript generated

```
Script command is started on Mon Jan 11 13:52:04 2011.
RCHSHUT3: /tst/usr/wellie6> rm -v removeme*
removeme1
removeme2
removeme3
RCHSHUT3: /tst/usr/wellie6> exit
Script command is complete on Mon Jan 11 13:52:21 2011.
```

Interactions and dependencies

- None

Migration and coexistence considerations

- None

Installation

- Packaged and installed as part of z/OS 1.13.
- Binary installed in the /bin directory

Appendix - References

- See the z/OS 1.13 "UNIX System Services Command Reference" for the **script** command description (SA22-7802)
- SUSv2 (UNIX98): http://www.unix.org/version2/
- SUSv3 (UNIX03): http://www.unix.org/version3/