

BSI TCP/IP Update

TCP/IP-TOOLS

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TCP/IP-TOOLS
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TCP/IP-TOOLS GA Builds

- Build 241 GA 21-Aug-2006
 - Build 242 GA 08-May-2007
 - Build 243 GA 15-Nov-2007
 - Build 244 GA 11-Apr-2008
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- Build 241 fixed C compiler bug!

BSTTFTPC

- TYPE E support
- FIXED
- IBMRDW
- SOSI DELETE support (DBCS)
- PADCHAR for BINARY POWER
- RECFM U support

BSTTLPRC

- FIXED
- OPTDATA ON
 - -o parameters sent to LPD
 - Copies, Account, Class, FNO
 - FORMDEF, PAGEDEF, FCB

BSTTREXC

- EXE2 EXEC command line extension

BSTTGZIP

- RECFM U support

BSTTFTPS

- SITE IBMRDW, FIXED
- Linux gftp GUI client support
- SOSI DELETE support
- PADCHAR for BINARY POWER
- RECFM U support
- AUXDIR ON|OFF startup command
- CHAP support

BSTTVNET

- FTP (PASV) Printers
- LOOKUP ON|OFF
 - Dynamic DNS name lookup
for DIRECT/LPR/FTP printers

BSTTVNET

- ITAM is now GA (Build 244)
- More on this later!

BSTTINET

- Extra Post Support
 - Dramatically improves CICS TS socket domain performance
- C Compiler bug fix
 - Improves performance too
 - Build 241 GA 18-Aug-2006 ***
- z/VSE 4.2 support

BSTTINET

- New SYSLST message for Checksum errors
- DNS a.b.c.d PRI|SEC options
- SOCKET CLOSE AXE=YES
- SOCKET READ AXE=YES
- SNMP ON|OFF option

BSTTSLOG

syslog-ng logger

- System logging application
- Log VSE console traffic
- Data sent to Linux syslog-ng daemon
- Multi-image logging
- Linux based automation

BSTTSLOG JCL/Commands

- // EXEC BSTTSLOG,SIZE=BSTTSLOG
- ID 10
- OPEN 192.168.1.12 514
- *
- FILTER NOLOG 1Q41I
- FILTER LOG *
- *
- ATTACH LOGGER
- /*

Simple Network Tuning

- Pick a Bottleneck
 - You are at the mercy of the slowest link
- VSE/ESA
 - Get a FAST CPU
 - Get a FAST I/O SubSystem
 - Select an Access Method
 - TCP/IP within VSE
 - OSA Express (VSE/ESA 2.6+) is best
 - OSA/LCS limited by CPU and I/O Interrupts

Simple Network Tuning

- Remote Host (Known as a PC)
- Get a FAST CPU
- Max out the memory
- Maximum Segment Size
 - Windows likes 576, 1460 is better
- Receive Window Size
 - Windows default is 8K
 - 32K or 64K is much better
 - Must be exact multiple of MSS

IPv6

- New stack for IPv6 support
- IPv6 API support
- IPv4 stack ... IPv4 applications
- IPv6 stack ... IPv6 applications
- Different stack IDs

- Needs ?