

PACKAGE ID - 001271IBMPC00 FTPGUARDV1.5

KWIC TITLE - File Transfer Protocol Guard Version 1.5

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LIMITATION CODE -COPY **AUDIENCE CODE** - LIM

COMPLETION DATE - 12/15/1997 **PUBLICATION DATE** - 12/15/1997

DESCRIPTION - The FTP Guard provides a means for securely transferring files from an unclassified network to a classified network. Files are moved using the FTP protocol. To a user, the FTP Guard appears to be an FTP proxy server. The FTP Guard does not move files from the classified network to the unclassified network.

PACKAGE CONTENTS - Media Directory; Software Abstract, Detailed Design Specification; Configuration and Operational Procedures; Media includes Source Code; Executable Module;

SOURCE CODE INCLUDED? - Yes

MEDIA QUANTITY - 1 3.5 diskette

METHOD OF SOLUTION - The FTP Guard acts as an FTP client to get and spool files from designated systems in the unclassified network. A user on a system in the classified network then FTPs to the FTP Guard to pick up the files. The FTP Guard looks to the classified user like an FTP server on the unclassified system. Spool files are deleted by a garbage collector based on their age.

COMPUTER - IBM PC

OPERATING SYSTEMS - Wang Federal XTS-300 model P1 running STOP 4.4.2 operating system.

PROGRAMMING LANGUAGES - C

SOFTWARE LIMITATIONS - The amount of data that can be transferred is limited by the spool storage available and the length of time spool files are retained. Throughput can be increased by using more disk space and deleting spool files more frequently. There are no fixed limitations.

SOURCE CODE AVAILABLE (Y/N) - Y

HARDWARE REQS - Wang Federal XTS-300, model P1, (Intel Pentium 166 MHz CPU) 32 Mb Ram 1.44 Mb Floppy Drive One Hard Drive (two 2 Gb hard drives are recommended) 4mm DAT Tape Two Ethernet LAN Cards VGA Monitor 104 Key Keyboard

REFERENCES - Reference Documents Included with the Submittal Package:
Sands, Paul, Multi-Level-Secure (MLS) File Transfer Protocol (FTP)

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REFERENCES - (CONT) Guard Detailed Design Specification, March 17, 1997
Sands, Paul, Multi-Level-Secure (MLS) File Transfer Protocol (FTP)
Guard Configuration and Operational Procedures, October 27, 1998
Additional Background Reference Material: Sands, Paul, Building an
FTP Guard, Proceedings of the 21st National Information Systems
Security Conference, October 6, 1998

ABSTRACT STATUS - Released As Is 01/14/1999

SUBJECT CLASS CODE - Z

KEYWORDS -

COMPUTER PROGRAM DOCUMENTATION
F CODES
COMPUTER NETWORKS

EDB SUBJECT CATEGORIES -

990200

SPONSOR - DOE/DP

PACKAGE TYPE - AS - IS