

## **Acronyms and Abbreviations**

Table A-1 defines the acronyms and abbreviations that are used in this publication.

Acronym	Expansion
AAA	authentication, authorization, and accounting
ACL	access control list
ACPI	Advanced Configuration and Power Interface
ADS	Active Directory Service
ARP	Address Resolution Protocol
BIOS	Basic Input Output System
BOOTP	Bootstrap Protocol
CBA	cipher block chaining
CDP	Cisco Discovery Protocol
CLI	command-line interface
СМ	Central Manager
CUPS	Common UNIX Printing System
DES	Data Encryption Standard
DHCP	Dynamic Host Configuration Protocol
DNS	Domain Name System
DSCP	differentiated services code point
ECN	Explicit Congestion Notification
FTP	file transfer protocol
GMT	Greenwich Mean Time (now known as UTC)
GRE	generic routing encapsulation
GUI	graphical user interface
HMAC	Hash-Based Message Authentication Code
ICMP	Internet Control Message Protocol
IDE	Integrated Drive Electronics
IP	Internet Protocol

 Table A-1
 List of Acronyms and Abbreviations

Γ

1

MACMedia Access ControlMbpsmegabits per secondMD5Message Digest 5MIBManagement Information BaseMSRPCMicrosoft Remote Procedure CallMTUmaximum transmission unitNASnetwork access server/network attached storageNetBIOSNetwork Basic Input/Output SystemNMSNetwork Management systemNTPNetwork Time ProtocolNTLMNT LAN ManagerNVRAMnonvolatile RAMPAPPassword Authentication ProtocolPIDproduct ID	Acronym	Expansion
MACMedia Access ControlMbpsmegabits per secondMD5Message Digest 5MIBManagement Information BaseMSRPCMicrosoft Remote Procedure CallMTUmaximum transmission unitNASnetwork access server/network attached storageNetBIOSNetwork Basic Input/Output SystemNMSNetwork Management systemNTPNetwork ManagerNTPNetwork Time ProtocolNTLMNT LAN ManagerNVRAMnonvolatile RAMPAPPassword Authentication ProtocolPDCprimary domain controllerPIDproduct IDPOSTPower-on Self TestRADIUSRemote Access Dial-In User ServiceRAIDRedundant Array of Independent DisksRAMrandom access memoryRMSSreceiver maximum segment sizeROMread-only memorySCSISmall Computer Systems InterfaceSHASecure Hash AlgorithmSMARTSelf Monitoring, Analysis, and Reporting TechnologySMBServer Message BlockSMSsender maximum segment sizeSNMPSimple Network Management ProtocolSSHSecure Shell ProtocolSYSFSSystem File SystemTACTechnical Assistance Center	KDC	key distribution center
Mbpsmegabits per secondMD5Message Digest 5MIBManagement Information BaseMSRPCMicrosoft Remote Procedure CallMTUmaximum transmission unitNASnetwork access server/network attached storageNetBIOSNetwork Basic Input/Output SystemNMSNetwork Management systemNTPNetwork ManagerNTMNT LAN ManagerNVRAMnonvolatile RAMPAPPassword Authentication ProtocolPDCprimary domain controllerPIDproduct IDPOSTPower-on Self TestRADIUSRemote Access Dial-In User ServiceRAIDRedundant Array of Independent DisksRAMrandom access memoryRMSSreceiver maximum segment sizeROMread-only memorySCSISmall Computer Systems InterfaceSHASecure Hash AlgorithmSMARTSelf Monitoring, Analysis, and Reporting TechnologySMBServer Message BlockSMSsender maximum segment sizeSNMPSimple Network Management ProtocolSSHSecure Shell ProtocolSYFSSSystem File SystemTACTechnical Assistance Center	LDAP	Lightweight Directory Access Protocol
MD5Message Digest 5MIBManagement Information BaseMSRPCMicrosoft Remote Procedure CallMTUmaximum transmission unitNASnetwork access server/network attached storageNetBIOSNetwork Basic Input/Output SystemNMSNetwork Management systemNTPNetwork Time ProtocolNTLMNT LAN ManagerNVRAMnonvolatile RAMPAPPassword Authentication ProtocolPDCprimary domain controllerPIDproduct IDPOSTPower-on Self TestRADIUSRemote Access Dial-In User ServiceRAIDRedundant Array of Independent DisksRAMrandom access memoryRMSSreceiver maximum segment sizeROMread-only memorySCSISmall Computer Systems InterfaceSHASecure Hash AlgorithmSMARTSelf Monitoring, Analysis, and Reporting TechnologySMBServer Message BlockSMSSsender maximum segment sizeSNserial numberSNMPSimple Network Management ProtocolSSHSecure Shell ProtocolSYFSSSystem File SystemTACTechnical Assistance Center	MAC	Media Access Control
MIBManagement Information BaseMSRPCMicrosoft Remote Procedure CallMTUmaximum transmission unitNASnetwork access server/network attached storageNetBIOSNetwork Basic Input/Output SystemNMSNetwork Management systemNTPNetwork Time ProtocolNTLMNT LAN ManagerNVRAMnonvolatile RAMPAPPassword Authentication ProtocolPDCprimary domain controllerPIDproduct IDPOSTPower-on Self TestRADIUSRemote Access Dial-In User ServiceRAMrandom access memoryRMSSreceiver maximum segment sizeROMread-only memorySCSISmall Computer Systems InterfaceSHASecure Hash AlgorithmSMARTSelf Monitoring, Analysis, and Reporting TechnologySMBServer Message BlockSMSsender maximum segment sizeSNMPSimple Network Management ProtocolSSHSecure Shell ProtocolSYFSSSystem File SystemTACTechnical Assistance Center	Mbps	megabits per second
MSRPCMicrosoft Remote Procedure CallMTUmaximum transmission unitNASnetwork access server/network attached storageNetBIOSNetwork Basic Input/Output SystemNMSNetwork Management systemNTPNetwork Time ProtocolNTLMNT LAN ManagerNVRAMnonvolatile RAMPAPPassword Authentication ProtocolPDCprimary domain controllerPIDproduct IDPOSTPower-on Self TestRADIUSRemote Access Dial-In User ServiceRAIDRedundant Array of Independent DisksRAMrandom access memoryRMSSreceiver maximum segment sizeROMread-only memorySCSISmall Computer Systems InterfaceSHASecure Hash AlgorithmSMARTSelf Monitoring, Analysis, and Reporting TechnologySMBserver Message BlockSMAPSimple Network Management ProtocolSSHSecure Shell ProtocolSYFSSystem File SystemTACTechnical Assistance Center	MD5	Message Digest 5
MTUmaximum transmission unitNASnetwork access server/network attached storageNetBIOSNetwork Basic Input/Output SystemNMSNetwork Management systemNTPNetwork Time ProtocolNTLMNT LAN ManagerNVRAMnonvolatile RAMPAPPassword Authentication ProtocolPDCprimary domain controllerPIDproduct IDPOSTPower-on Self TestRADIUSRemote Access Dial-In User ServiceRAIDRedundant Array of Independent DisksRAMrandom access memoryRMSSreceiver maximum segment sizeROMread-only memorySCSISmall Computer Systems InterfaceSHASecure Hash AlgorithmSMARTSelf Monitoring, Analysis, and Reporting TechnologySMBServer Message BlockSMMPSimple Network Management ProtocolSYFSSystem File SystemTACTechnical Assistance Center	MIB	Management Information Base
NASnetwork access server/network attached storageNetBIOSNetwork Basic Input/Output SystemNMSNetwork Management systemNTPNetwork Time ProtocolNTLMNT LAN ManagerNVRAMnonvolatile RAMPAPPassword Authentication ProtocolPDCprimary domain controllerPIDproduct IDPOSTPower-on Self TestRADIUSRedundant Array of Independent DisksRAMrandom access memoryRMSSreceiver maximum segment sizeROMread-only memorySCSISmall Computer Systems InterfaceSHASecure Hash AlgorithmSMSSsender maximum segment sizeSNMPSimple Network Management ProtocolSYSFSSystem File SystemSNMPSimple Network Management ProtocolSYSFSSystem File SystemTACTechnical Assistance Center	MSRPC	Microsoft Remote Procedure Call
NetBIOSNetwork Basic Input/Output SystemNMSNetwork Management systemNTPNetwork Time ProtocolNTLMNT LAN ManagerNVRAMnonvolatile RAMPAPPassword Authentication ProtocolPDCprimary domain controllerPIDproduct IDPOSTPower-on Self TestRADIUSRemote Access Dial-In User ServiceRAMrandom access memoryRMSSreceiver maximum segment sizeROMread-only memorySCSISmall Computer Systems InterfaceSHASecure Hash AlgorithmSMARTSelf Monitoring, Analysis, and Reporting TechnologySMBserver Message BlockSMSSsender maximum segment sizeSNserial numberSNMPSimple Network Management ProtocolSYFSSystem File SystemTACTechnical Assistance Center	MTU	maximum transmission unit
NMSNetwork Management systemNTPNetwork Time ProtocolNTLMNT LAN ManagerNVRAMnonvolatile RAMPAPPassword Authentication ProtocolPDCprimary domain controllerPIDproduct IDPOSTPower-on Self TestRADIUSRemote Access Dial-In User ServiceRAIDRedundant Array of Independent DisksRAMrandom access memoryRMSSreceiver maximum segment sizeROMread-only memorySCSISmall Computer Systems InterfaceSHASecure Hash AlgorithmSMARTSelf Monitoring, Analysis, and Reporting TechnologySMBserver Message BlockSMSSsender maximum segment sizeSNserial numberSNMPSimple Network Management ProtocolSYFSSystem File SystemTACTechnical Assistance Center	NAS	network access server/network attached storage
NTPNetwork Time ProtocolNTLMNT LAN ManagerNVRAMnonvolatile RAMPAPPassword Authentication ProtocolPDCprimary domain controllerPIDproduct IDPOSTPower-on Self TestRADIUSRemote Access Dial-In User ServiceRAMrandom access memoryRMSSreceiver maximum segment sizeROMread-only memorySCSISmall Computer Systems InterfaceSHASecure Hash AlgorithmSMARTSelf Monitoring, Analysis, and Reporting TechnologySMBServer Message BlockSNMPSimple Network Management ProtocolSYFSSystem File SystemTACTechnical Assistance Center	NetBIOS	Network Basic Input/Output System
NTLMNT LAN ManagerNVRAMnonvolatile RAMPAPPassword Authentication ProtocolPDCprimary domain controllerPIDproduct IDPOSTPower-on Self TestRADIUSRemote Access Dial-In User ServiceRAMrandom access memoryRMSSreceiver maximum segment sizeROMread-only memorySCSISmall Computer Systems InterfaceSHASecure Hash AlgorithmSMARTSelf Monitoring, Analysis, and Reporting TechnologySMBserver Message BlockSNMPSimple Network Management ProtocolSSHSecure Shell ProtocolSYFSSSystem File SystemTACTechnical Assistance Center	NMS	Network Management system
NVRAMnonvolatile RAMPAPPassword Authentication ProtocolPDCprimary domain controllerPIDproduct IDPOSTPower-on Self TestRADIUSRemote Access Dial-In User ServiceRAIDRedundant Array of Independent DisksRAMrandom access memoryRMSSreceiver maximum segment sizeROMread-only memorySCSISmall Computer Systems InterfaceSHASecure Hash AlgorithmSMARTSelf Monitoring, Analysis, and Reporting TechnologySMBserver Message BlockSNMPSimple Network Management ProtocolSYSFSSystem File SystemTACTechnical Assistance Center	NTP	Network Time Protocol
PAPPassword Authentication ProtocolPDCprimary domain controllerPIDproduct IDPOSTPower-on Self TestRADIUSRemote Access Dial-In User ServiceRAIDRedundant Array of Independent DisksRAMrandom access memoryRMSSreceiver maximum segment sizeROMread-only memorySCSISmall Computer Systems InterfaceSHASecure Hash AlgorithmSMARTSelf Monitoring, Analysis, and Reporting TechnologySMBserver Message BlockSNMPSimple Network Management ProtocolSSHSecure Shell ProtocolSYSFSSystem File SystemTACTechnical Assistance Center	NTLM	NT LAN Manager
PDCprimary domain controllerPIDproduct IDPOSTPower-on Self TestRADIUSRemote Access Dial-In User ServiceRAIDRedundant Array of Independent DisksRAMrandom access memoryRMSSreceiver maximum segment sizeROMread-only memorySCSISmall Computer Systems InterfaceSHASecure Hash AlgorithmSMARTSelf Monitoring, Analysis, and Reporting TechnologySMBserver Message BlockSNMPsimple Network Management ProtocolSSHSecure Shell ProtocolSYSFSSystem File SystemTACTechnical Assistance Center	NVRAM	nonvolatile RAM
PIDproduct IDPOSTPower-on Self TestRADIUSRemote Access Dial-In User ServiceRAIDRedundant Array of Independent DisksRAMrandom access memoryRMSSreceiver maximum segment sizeROMread-only memorySCSISmall Computer Systems InterfaceSHASecure Hash AlgorithmSMARTSelf Monitoring, Analysis, and Reporting TechnologySMBServer Message BlockSNMPSimple Network Management ProtocolSSHSecure Shell ProtocolSYSFSSystem File SystemTACTechnical Assistance Center	PAP	Password Authentication Protocol
POSTPower-on Self TestRADIUSRemote Access Dial-In User ServiceRAIDRedundant Array of Independent DisksRAMrandom access memoryRMSSreceiver maximum segment sizeROMread-only memorySCSISmall Computer Systems InterfaceSHASecure Hash AlgorithmSMARTSelf Monitoring, Analysis, and Reporting TechnologySMBServer Message BlockSNMPserial numberSNMPSimple Network Management ProtocolSSHSecure Shell ProtocolSYSFSSystem File SystemTACTechnical Assistance Center	PDC	primary domain controller
RADIUSRemote Access Dial-In User ServiceRAIDRedundant Array of Independent DisksRAMrandom access memoryRMSSreceiver maximum segment sizeROMread-only memorySCSISmall Computer Systems InterfaceSHASecure Hash AlgorithmSMARTSelf Monitoring, Analysis, and Reporting TechnologySMBServer Message BlockSNserial numberSNMPSimple Network Management ProtocolSYSFSSystem File SystemTACTechnical Assistance Center	PID	product ID
RAIDRedundant Array of Independent DisksRAMrandom access memoryRMSreceiver maximum segment sizeROMread-only memorySCSISmall Computer Systems InterfaceSHASecure Hash AlgorithmSMARTSelf Monitoring, Analysis, and Reporting TechnologySMBServer Message BlockSNNsender maximum segment sizeSNserial numberSNMPSimple Network Management ProtocolSYSFSSystem File SystemTACTechnical Assistance Center	POST	Power-on Self Test
RAMrandom access memoryRMSSreceiver maximum segment sizeROMread-only memorySCSISmall Computer Systems InterfaceSHASecure Hash AlgorithmSMARTSelf Monitoring, Analysis, and Reporting TechnologySMBServer Message BlockSMSSsender maximum segment sizeSNserial numberSNMPSimple Network Management ProtocolSSHSecure Shell ProtocolSYSFSSystem File SystemTACTechnical Assistance Center	RADIUS	Remote Access Dial-In User Service
RMSSreceiver maximum segment sizeROMread-only memorySCSISmall Computer Systems InterfaceSHASecure Hash AlgorithmSMARTSelf Monitoring, Analysis, and Reporting TechnologySMBServer Message BlockSMSSsender maximum segment sizeSNserial numberSNMPSimple Network Management ProtocolSSHSecure Shell ProtocolSYSFSSystem File SystemTACTechnical Assistance Center	RAID	Redundant Array of Independent Disks
ROMread-only memorySCSISmall Computer Systems InterfaceSHASecure Hash AlgorithmSMARTSelf Monitoring, Analysis, and Reporting TechnologySMBServer Message BlockSMSSsender maximum segment sizeSNserial numberSNMPSimple Network Management ProtocolSSHSecure Shell ProtocolSYSFSSystem File SystemTACTechnical Assistance Center	RAM	random access memory
SCSISmall Computer Systems InterfaceSHASecure Hash AlgorithmSMARTSelf Monitoring, Analysis, and Reporting TechnologySMBServer Message BlockSMSSsender maximum segment sizeSNserial numberSNMPSimple Network Management ProtocolSSHSecure Shell ProtocolSYSFSSystem File SystemTACTechnical Assistance Center	RMSS	receiver maximum segment size
SHASecure Hash AlgorithmSMARTSelf Monitoring, Analysis, and Reporting TechnologySMBServer Message BlockSMSSsender maximum segment sizeSNserial numberSNMPSimple Network Management ProtocolSSHSecure Shell ProtocolSYSFSSystem File SystemTACTechnical Assistance Center	ROM	read-only memory
SMARTSelf Monitoring, Analysis, and Reporting TechnologySMBServer Message BlockSMSSsender maximum segment sizeSNserial numberSNMPSimple Network Management ProtocolSSHSecure Shell ProtocolSYSFSSystem File SystemTACTechnical Assistance Center	SCSI	Small Computer Systems Interface
SMBServer Message BlockSMSSsender maximum segment sizeSNserial numberSNMPSimple Network Management ProtocolSSHSecure Shell ProtocolSYSFSSystem File SystemTACTechnical Assistance Center	SHA	Secure Hash Algorithm
SMSSsender maximum segment sizeSNserial numberSNMPSimple Network Management ProtocolSSHSecure Shell ProtocolSYSFSSystem File SystemTACTechnical Assistance Center	SMART	Self Monitoring, Analysis, and Reporting Technology
SNserial numberSNMPSimple Network Management ProtocolSSHSecure Shell ProtocolSYSFSSystem File SystemTACTechnical Assistance Center	SMB	Server Message Block
SNMPSimple Network Management ProtocolSSHSecure Shell ProtocolSYSFSSystem File SystemTACTechnical Assistance Center	SMSS	sender maximum segment size
SSHSecure Shell ProtocolSYSFSSystem File SystemTACTechnical Assistance Center	SN	serial number
SYSFSSystem File SystemTACTechnical Assistance Center	SNMP	Simple Network Management Protocol
TAC Technical Assistance Center	SSH	Secure Shell Protocol
	SYSFS	System File System
TACACS+ Terminal Access Controller Access Control System Plus	TAC	Technical Assistance Center
	TACACS+	Terminal Access Controller Access Control System Plus
TCP/IP Transmission Control Protocol/Internet Protocol	TCP/IP	Transmission Control Protocol/Internet Protocol
TDB Trivial DataBase	TDB	Trivial DataBase

 Table A-1
 List of Acronyms and Abbreviations (continued)

Γ

Acronym	Expansion
TFTP	Trivial File Transfer Protocol
ToS	type of service
UDI	unique device identifier
UDP	User Datagram Protocol
UPS	uninterruptible power supply
USB	Universal Serial Bus
UTC	Coordinated Universal Time
UUCP	Unix-to-Unix Copy Program
VID	version ID
WAE	Wide Area Application Engine
WAAS	Wide Area Application Services
WAFS	Wide Area File Services
WAFSFS	Wide Area File Services File System
WCCP	Web Cache Communication Protocol
WINS	Windows naming service

 Table A-1
 List of Acronyms and Abbreviations (continued)

1