

Sample List

Possible Network Management Elements for Printers

Ethernet Setup

Ethernet Configuration (auto, 10 half duplex, 10 full duplex, 100 half duplex, 100 full duplex, 1000)
Enable TCP/IP
Enable Auto IPv4 Config
Enable DHCP/BOOTP
Enable PING/ARP
Enable AUTO IP
IPv4 Address (IPv4 Address)
IPv4 Subnet Mask (IPv4 Address mask)
IPv4 Default Router (IPv4 Address)
DNS Host Name (IPv4 Address)
Enable Domain Name Automatic Acquisition
Domain Name (name)
Enable DNS Server Automatic Acquisition
DNS Server IP address (multiple IPv4 addresses)
Enable Dynamic DNS
Enable IPv6
IPv6 Link Local Address (IPv6 Address)
Enable Automatic Global Address
Enable DHCP V6
IPv6 Global Address (IPv6 address)
IPv6 Gateway Address (IPv6 Address)
Enable LPD
LPD Queue Name (string)
Enable FTP
FTP Port Number
Enable RAW Port
RAW Port Number
RAW Port Bidirectional
Enable SLP
Enable Bonjour
Bonjour Printer Name
Bonjour Priority Printing Protocol (Multiple protocols, with priorities)
Bonjour location

802.11 settings

SSID
Password
channel(s)
frequency

IPSEC

Enable IP Sec (Lots of IP Sec elements, but perhaps not appropriate for CWMP)
IKE Key Lifetime
IKE Diffie-Hellman (Groups)
IKE Diffie-Hellman (Options/ Encryption Algorithm, Hash Algorithm)
Security Association (Key Lifetime)
Security Association (Options/ Security Protocol, Encryption Algorithm for ESP, Authentication Algorithm for ESP, Authentication Algorithm for AH)
Peer's Address (entry/Address, Enable Perfect Forward Security, PreShared Key, Encapsulation Mode)

Printing Protocols

Enable WSD Print Mode
WSD Printer Name
WSD Printer Location
WSD Printer Information
Enable IPP
IPP Printer Name
IPP Printer Location
Accept IPP Jobs
IPP Printer Make & Model
IPP Printer URLs Supported
IPP Authentication Scheme
IPP Password
IPP Realm

SNMP Related

Enable SNMPv1/v2C
Enable SNMPv3
SNMP UDP Port
SNMPv1/SNMPv2C GET Community Name
SNMPv1/SNMPv2C GET & SET Community Name
SNMPv3 Context Name
SNMPv3 Enable Discovery
SNMPv3 Discovery User Name
SNMPv3 Security Level (No Auth/No Priv)
SNMPv3 Access Right (Read Only - restricted objects)
SNMPv3 Read Only Account
SNMPv3 Read Only Account User Name
SNMPv3 Read Only Account Authentication Password
SNMPv3 Read Only Account Privacy Password
SNMPv3 Read Only Account Security Level
SNMPv3Read/Write Account
SNMPv3 Read/Write Account User Name
SNMPv3 Read/Write Account Authentication Password
SNMPv3 Read/Write Account Privacy Password
SNMPv3 Read/Write Account Security Level
Enable SNMP Traps
Enable SNMP Authentication Failure Traps
SNMP Trap Community Name 1
SNMP Trap IP Address 1
SNMP Trap UDP Port Number 1
SNMP Trap Community Name 2
SNMP Trap IP Address 2
SNMP Trap UDP Port Number 2

Email Related

Enable Email Notification on Error
SMTP Notification From Address:
SMTP Notification To Address:
SMTP Notification Subject:
Delay Enable Email Notification on Error (n minutes)
Test Enable Email Notification on Error
SMTP MAIL SERVER Address
SMTP MAIL SERVER Port Number

SMTP MAIL SERVER Connection Timeout
SMTP Authentication Account
SMTP Authentication Password
SMTP Authentication Realm
Incoming Mail Server (Type- POP3, IMAP4, etc)
Incoming Mail Server (ID)
Port Number
Server Timeouts
Disposition of retrieved message (remove/remove after / leave)
connection encryption (type)

User Name
Password
Authentication type (login to SNMP before sending/separate log on)

Date-Time related

Set Date & Time
Enable SNTP
SNTP Server Address
SNTP Port
Clock Synchronize Frequency
Time Zone UTC
Last SNTP Time
Implement Daylight Savings Time

SSL/TLS settings

Create a self-signed Certificate
Request a Certificate
Install a Certificate
Set encryption strength
Remove Certificate
SSL/TLS Mode

IEEE 802.1X

IEEE 802.1X enable
EAP Method (EAP-MD5, EAP-TLS, EAP-TTLS, PEAP, Server Specified)
User ID (string)
Password (string)
TTLS Anonymous Name (String)
TTLS Authentication Type (PAP, MS-CHAP, MS-CHAPv2)
Server ID (string)
Server CA Certificate
Server Certificate Check (Validity, CA Confidence, Server ID)
Client Certificate
Send Client Certificate
Encryption Strength (Low, Medium, High)
Authentication Process Time Limit (seconds, 0 = disable) Port Authentication

Resident applications,

List

Fonts

List

Other Resources

List

IDS health attributes

CertificationState (OctetArray)

ConfigurationState (OctetArray)

DefaultPasswordEnabled (Boolean)

credentials are set to the factory defaults. (0 = no default passwords)

FirewallSetting (OctetArray)

FirmwareName (String)

HCD Health Assessment Attribute Name (DataType)

FirmwarePatches (String)

FirmwareStringVersion (String)

FirmwareVersion (OctetArray)

ForwardingEnabled (Boolean)

MachineTypeModel (String)

PSTNFaxEnabled (Boolean)

ResidentApplicationName (String)

ResidentApplicationPatches (String)

ResidentApplicationStringVersion (String)

ResidentApplicationVersion (OctetArray)

HCD Health Assessment Attribute Name (DataType)

TimeSource (String)

UserApplicationEnabled (Boolean)

UserApplicationPersistenceEnabled (Boolean)

UserApplicationName (String)

UserApplicationPatches (String)

UserApplicationStringVersion (String)

UserApplicationVersion (OctetArray)

VendorName (String)

VendorSMICode (Integer)

AttributesNaturalLanguage (String)

WW April 20, 2012