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)

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