

List of services available with ESIA Infinity

Service names

The naming of services within Esia Unity follows a certain pattern: <méthode de connexion>_<protocole>_<plateforme>_<service testé>

For example :

GESA_SNMP_WINDOWS_STORAGE

- GESA: test via the ESIA Unity box.
- SNMP: uses the SNMP protocol.
- WINDOWS: for all Windows OS.
- STORAGE: tests the storage space used on a drive.

Another example :

CHECK_HTTPS

- CHECK: test directly from the server
- HTTPS: if an HTTPS server is present

Basic tests

CHECK_ICMP

Tests the ping of a node. Also provides network latency information. This service is run from the server, so testing a local address such as 192.168.1.1 will not work.

Parameter	Description
-H <host>	The IP address or name of the host to be tested
-w <latences ms>,< % de paquet perdu>	Indicates the alert threshold in ms and in % of lost packets
-c <latences ms>,< % de paquet perdu>	Indicates the critical threshold in ms and in % of packets lost

Example:

```
-H google.be -w 200,50 -c 300,100
```

Output :

```
OK - google.be: rta 28,629ms, lost 0%|rta=28,629ms;200,000;300,000;0;
```

```
pl=0%;40;80;;rtmax=28,742ms;;; rtmin=28,473ms;;;
```

NAS tests

QNAP

CHECK_SNMP_QNAP_HEALTH

Tests the health of a QNAP NAS (QNAP NAS-MIB compatible).

This plugin retrieves and checks :

- The model and system name
- System temperature
- CPU temperature
- Disk status (model, capacity, smart status and temperature)
- RAID volume status

Parameter	Description
-H <host>	Host name (default \$IP)
-C <communauté snmp>	Host name (default \$SNMP_COM)
-v [1-2]	SNMP version (default 2)
-w <température en degré Celsius>	System warning temperature (default: 50)
-c <température en degré Celsius>	System critical temperature (default: 70)

Example :

```
-H 192.168.1.22 -C public -w 50 -c 70
```

Output :

```
Model: HS-210 Hostname: NASDF8958
OK: System temperature: 43 C/109 F < 50 C
OK: CPU temperature: noInfo
OK: DISK 1 : HDD1 (Model: ST1000DM003-1CH1 Capacity: 931.51 GB) status is:
ready (SMART:GOOD) . Temperature is 39 C/102 F
OK: DISK 2 : HDD1 (Model: ST1000DM003-1CH1 Capacity: 931.51 GB) status is:
ready (SMART:GOOD) . Temperature is 40 C/104 F
WARNING: Volume 1 software raid status is Rebuilding.
```

Printer tests

CHECK_SNMP_PRINTER

Tests the general status of an SNMP MIB-compatible printer.

This plugin retrieves and checks :

- Printer status (paper jam, cover open, out of paper, etc)
- Its system description (model, SN, etc)
- The status of each consumable

Parameter	Description
-H \$IP	IP address of the test host (default:\$IP)
-C \$SNMP_COMM	SNMP community
-w 20	The alert threshold in % remaining of the consumable level.
-c 10	The critical threshold in % of the remaining level of consumables.

Example:

```
-H 192.168.1.22 -C public -w 20 -c 10
```

Output :

```
Printer is OK
Description: HP ETHERNET MULTI-
ENVIRONMENT,SN:CND8FBTBLB, FN:SF45SDW,SVCID:24014,PID:HP LaserJet 400
colorMFP M475dw
CRITICAL : 2. Description: Cyan Cartridge HP CE411A (cyan) State: 3% <= 10%
OK : 3. Description: Magenta Cartridge HP CE413A (magenta) State: 99%
OK : 1. Description: Black Cartridge HP CE410X (black) State: 72%
CRITICAL : 4. Description: Yellow Cartridge HP CE412A (yellow) State: 3% <=
10%
```

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