

Node management

Add a node

Scanning a network

Start a scan

In the left-hand side menu, click on the scan module « **Importation** ».

Type de noeud	OK	Alerte	Critique	Inconnu	Nombre d'équipements	Nombre de services
access Point	1	0	0	1	1	2
application	1	0	0	0	1	1
backup server	0	0	0	0	1	0
firewall	5	0	0	0	1	5
flows server	0	0	0	0	1	0
galaxy	0	0	0	0	1	0
Hypervisor	1	0	0	4	3	5
imprimante	2	0	0	0	1	2
IP Label	0	0	0	1	1	1
https://10.7.0.5/plugin/importation/import_control.php	4	0	1	0	1	5

You can start your first scan from this page.

Type de scan	Source du scan	Première IP	Dernière IP	Communauté SNMP	Démarrer
SNMP	This (127.0.0.1)	10.7.0.1	10.7.0.254	public.read	Démarrer

Scan type :

- ICMP for scanning via ping
- MAC-ICMP for scanning mac addresses via ping
- SNMP

Scan source If you need to scan from the same server, leave *this* (127.0.0.1). If you need to scan from a different Unity, select the appropriate one.

First IP Enter the first IP address of the range you wish to scan.

Last IP Enter the last ip address of the range you want to scan.

SNMP community Community: Enter the community previously configured on your nodes. The default community is « **public** ».

When the scan of your network is complete, you will be taken to the following page:

ID	Type	Options	Agent/Source	Status	Dans cet état depuis	Première IP	Dernière IP	Adresses Libres	Noeuds détectés	Action
15	SNMP	public.read	127.0.0.1 (This)	Terminée	2023-03-06 10:18:01			229	25	

Here you can see all the scans that have been performed. To access the results of a scan, simply click on the magnifying glass in the last column.

Adding nodes following a scan

The result of a scan is shown below:

The screenshot shows the 'Node management' section of the ESIA Unity software. At the top, there are two horizontal status bars: 'ETAT DES NOEUDS' with values 24 (green), 1 (yellow), 6 (red), and 4 (grey); and 'ETAT DES SERVICES' with values 129 (green), 1 (yellow), 7 (red), 22 (grey), and 2 (blue). Below these are several icons representing different monitoring and configuration functions.

The main area is titled 'NOEUDS DÉTECTÉS' and contains a table of detected nodes. The columns include 'SELECTIONNER', 'TYPE' (with dropdown options 'TOUS', 'AUCUN', 'NOUVEAUX NOEUDS'), 'STATUS SNMP' (dropdown options 'PAR IP', 'PAR'), and a list of nodes. The nodes listed are:

- hp (x2)
- cisco (x2)
- TP-LINK
- ZYXEL (x2)
- NETGEAR
- FORTINET
- Allied Telesis
- Windows

Each node entry includes a checkbox for selection and a small icon representing the device type.

The list that appears after the scan includes all the nodes detected by ESIA Unity on your network.

The programme will bring up all the information it is possible to collect on each piece of equipment (to maximise the amount of information retrieved, please activate SNMP on each machine). To add a node, tick the desired nodes and fill in the parameters (if they are not already filled in by ESIA).

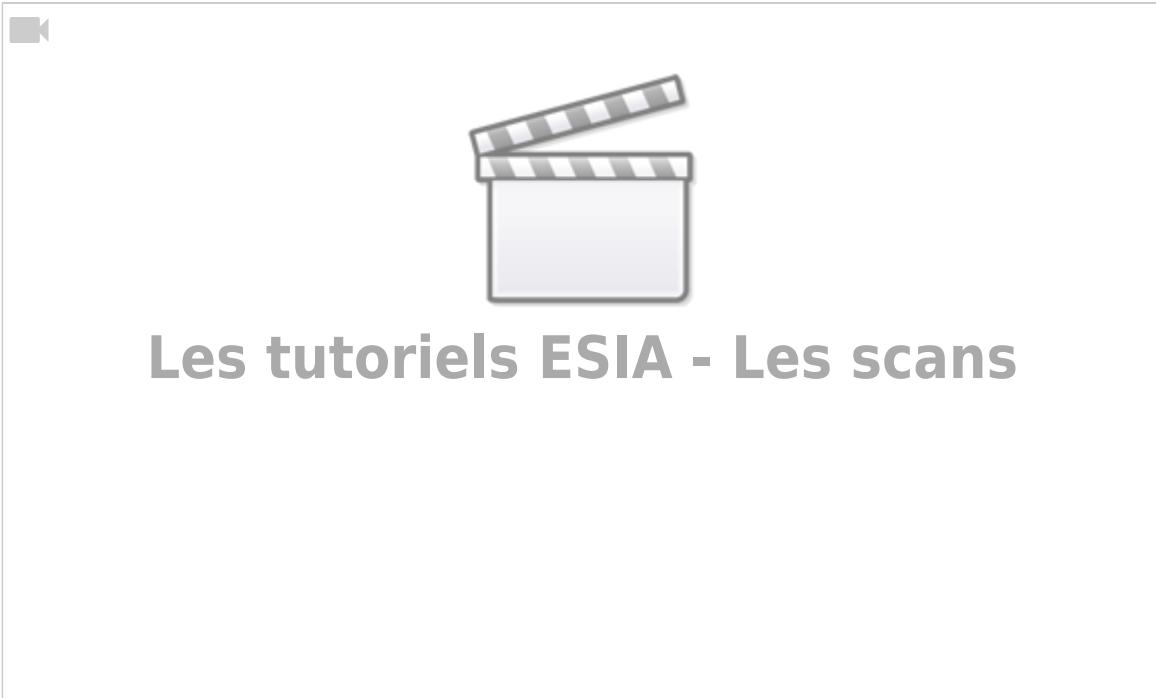
- Give it a name
- Link it to a group
- Choose the SNMP version
- Choose the SNMP community (public or read)
- Choose the node type
- Link it to a service pattern

Note that you can configure the nodes one by one via the menu corresponding to each of them. Or configure all the selected nodes at once via the 'Grouped actions' menu at the top of the window.

Then click on the “Add nodes” button at the bottom of the page.

You can now [Add tests to your nodes](#).

In video



Les tutoriels ESIA - Les scans

Adding nodes manually

Adding nodes manually

You can add a new node via :

- The menu « **noeud** ». Click on « **liste des noeuds** » then on the icon .
- The « **administration** >Click on > on the home page ⇒ Add a node.

The following window appears:

Fill in the following fields:

* Optional

1. Give the node a name
2. Choose the type of node
3. Link it to a node group
4. Specify IP
5. Specify the linked Unity
6. Give a description
7. Specify SNMP community
8. Click on “Add”

The screenshot shows a user interface for adding a node. At the top, there's a grey header bar with the text 'AJOUTER UN NOEUD' on the left and a close button (circle with an X) on the right. Below this is a green success banner with the text 'Ajout du noeud réussi!'. Underneath the banner, a message reads: 'Souhaitez-vous ajouter un pattern (ensemble de services préconfigurés) à ce noeud ou ajouter un service particulier. Cliquez sur un des boutons pour être redirigé.' There are two buttons at the bottom: 'AJOUTER UN PATTERN' and 'AJOUTER UN SERVICE'.

You can then [Add patterns](#) or [Add services](#).

Node administration

You can find all the settings for your nodes via the “administration” tab.

The screenshot shows a video player interface. On the left, there's a small video camera icon. In the center, there's a large clapperboard icon. Below the clapperboard, the text 'Les tutoriels ESIA - L'administration des noeuds' is displayed in a large, bold, grey font.

Specifications by hardware

Access Point

For any Access Point	
Availability of the access point (PING)	GESA_ICMP
Interfaces	Via the web interface (see Special features of switch, router and access point interfaces)

Camera

For any camera	
Camera availability (PING)	GESA_ICMP

Evision

For each Evision	
Add the	GESA_ICMP

Firewall/Router

Depending on the brand of firewall	
Clavister	default_gesa_snmp_clavister
Cyberoam	default_gesa_snmp_cyberoam
Fortinet	default_gesa_snmp_fortinet
Fortigate	default_gesa_snmp_fortigate
Stormshield	default_gesa_snmp_Stormshield
Watchguard	default_gesa_snmp_watchguard
For all others	
Add the plugin	GESA_ICMP
And activate the interfaces	Via the web interface (see Special features of the switch, router and access point interface)

Printers

For any printer	
Printer availability	GESA_ICMP
Consumables	GESA_SNMP_PRINTER

NAS

Patterns for the following brands	
QNAP	default_gesa_nas_qnap
Seagate	default_gesa_nas_seagate
Synology	default_gesa_nas_synology
Patterns for other NAS	
Linux	default_gesa_linux_server
Windows	default_gesa_windows_server

PC

For any PC	
Printer availability (PING)	GESA_ICMP
Enable WMI	Enable WMI on Windows 7 & 8 Enabling WMI via GPO on Active Directory 2012

PDU

For any PDU	
PDU availability (PING)	GESA_ICMP
Brand-specific patterns	
Raritan	default_gesa_snmp_raritan

Server

Available patterns	
For a Linux server	default_gesa_linux_server
For a Windows server	default_gesa_windows_server

Virtual server

Available patterns	
For a Linux NAS	default_gesa_linux_server
For a Windows NAS	default_gesa_windows_server

Switch

For any Switch	
The interfaces	Via the web interface (see Special features of switch, router and access point interfaces)

Telephone

For any IP telephone	
Phone availability (PING)	GESA_ICMP

UPS

For any UPS	
UPS availability (PING)	GESA_ICMP

WiFi controller

For any wifi controller	
WiFi controller availability (PING)	GESA_ICMP
If there are interfaces	
Interfaces	Via the web interface (see Special features of switch, router and access point interfaces)

Modify a node

Go to the administration page and then « **noeuds** ». Click the « **modifier** » button of the node you wish to modify.

The screenshot shows the Esia-Galaxy administration interface. At the top, there is a navigation bar with icons for various management functions like Plugins, Users, Groups, Rights, Configuration, and Log. Below the navigation bar, a summary of system status is displayed with counts for nodes (24 green, 1 yellow, 6 red, 4 dark grey) and services (129 green, 1 yellow, 7 red, 22 dark grey). The main menu has 'NOEUDS' selected, indicated by a red box and the number '2'. The 'NOEUDS' list table shows one entry: 'enterprise' (server type, IP 127.0.0.1, internal server, 7 services). A red arrow labeled '3' points to the 'Modifier' (Edit) button in the table's toolbar. The bottom half of the screenshot shows the 'MODIFICATION DU NOEUD' (Node Modification) form for the node 'esia-galaxy'. The form is divided into sections: 'INFORMATIONS GÉNÉRALES' (General Information) and 'INFORMATIONS SNMP' (SNMP Information). The 'INFORMATIONS GÉNÉRALES' section includes fields for 'Nom du noeud' (esia-galaxy), 'Type de noeud' (Server), 'Groupe' (Group selection dropdown), 'Adresse IP' (IP address 127.0.0.1), 'Connecté derrière la Unity:' (none), and 'Description' (internal server). The 'INFORMATIONS SNMP' section includes fields for 'Version SNMP' (SNMP v2c), 'Timeout SNMP (en ms)' (1000), and 'Communauté snmp v1-v2c' (esia_read). A green 'Modifier' (Modify) button is located at the bottom right of the form.

- **Modify node** Allows you to modify all the node parameters.
- **Advanced settings** Allows you to configure rdp.
- **Services** Allows you to add, modify or delete a service.
- **Alerts** Allows you to configure/modify alerts.
- **Service pattern** Allows you to add or remove a pattern on the node.

Delete a node

Go to the administration page, then « **noeuds** ». Click the « **supprimer** » button of the node you wish to delete.

The screenshot shows the Node Management interface. The top navigation bar includes 'BONJOUR ADMIN', 'Accueil', and 'Administration'. Below this is a dashboard with 'ETAT DES NOEUDS' (24 green, 1 yellow, 6 red, 4 grey) and 'ETAT DES SERVICES' (129 green, 1 yellow, 7 red, 22 grey, 2 blue). The left sidebar contains various icons with a red '1' badge. The main content area is titled 'NOEUDS 2' and displays a table with columns: NOM DU NOEUD, GROUPE, TYPE DE NOEUD, ADRESSE IP, DESCRIPTION, NOMBRE DE SERVICES, and ACTION. One row is shown: 'enterprise', 'server', '127.0.0.1', 'serveur interne', '7', and a set of icons including a magnifying glass, a person, a gear, and a trash can. A red arrow labeled '3' points to the trash can icon.

Duplicating a node

You can also duplicate a node. All the parameters of the node are also duplicated (patterns, services, etc.). All you have to change is the IP address and the name.

Go to the « **administration** » then node. Click on the « **dupliquer** » button of the node you wish to duplicate.

The screenshot shows the Node Management interface, identical to the previous one but with a different toolbar icon highlighted. A red box highlights the 'NOEUDS' tab. A red arrow labeled '3' points to the magnifying glass icon in the toolbar, which is used for duplicating nodes.

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