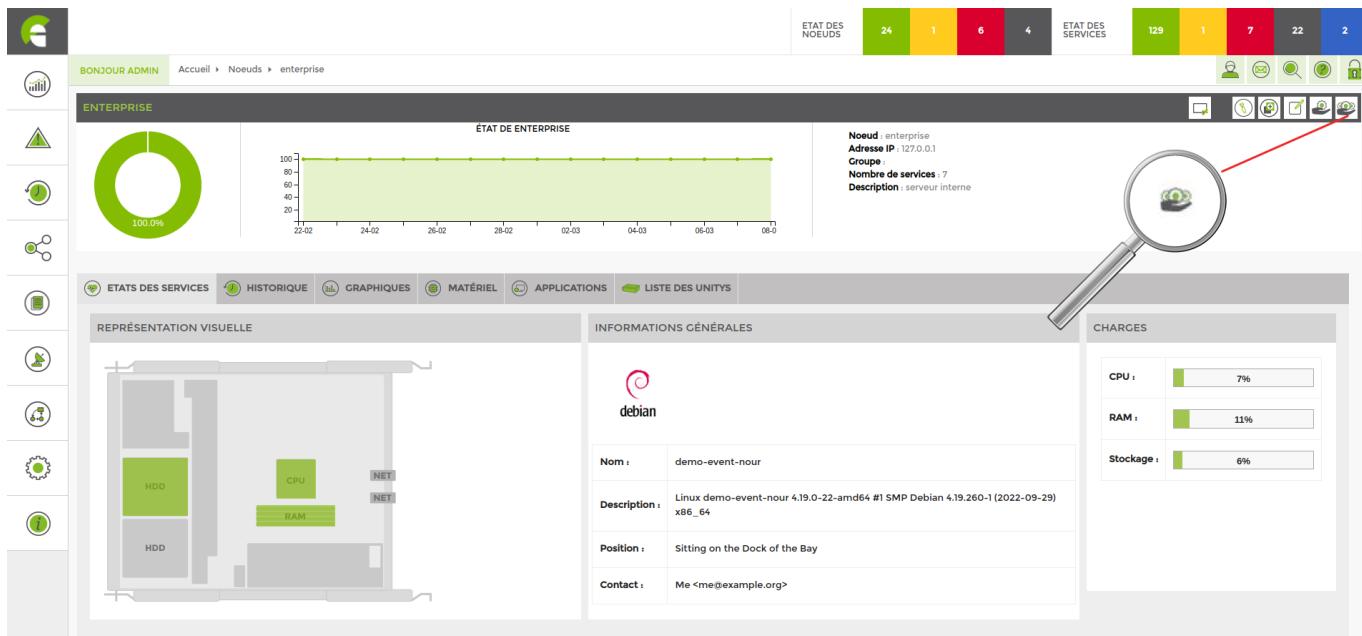


# Pattern management

## Add a pattern

To apply [pattern](#) patterns (a selection of predefined plugins) to your nodes, go to the node page and click on the icon .



The screenshot shows the 'enterprise' node details page. At the top right, there are two status bars: 'ETAT DES NOEUDS' with values 24, 1, 6, 4 and 'ETAT DES SERVICES' with values 129, 1, 7, 22, 2. Below these are several icons. A red arrow points from a magnifying glass icon to the 'Ajouter' button in the top right corner of the main content area.

**ENTERPRISE**

**ÉTAT DE L'ENTREPRISE**

Noeud : enterprise  
Adresse IP : 127.0.0.1  
Groupe :  
Nombre de services : 7  
Description : serveur interne

**REPRÉSENTATION VISUELLE**

**INFORMATIONS GÉNÉRALES**

**CHARGES**

The following screen appears:



**MODIFIER SRV-ESIA**

**srv-esia**

**PATTERN APPLIQUÉ**

PATTERN APPLIQUÉ	ACTION
default_snmp_linux_server	 

Then choose a pattern and click Add.

Once added, click on the pattern name to set its parameters.

See [The list of available patterns](#).

# Modify a pattern

Go to the administration page, then **plugins > patterns**. Click on the « **modifier** » button of the pattern you wish to modify.

NOM DU PATTERN DE SERVICE	DESCRIPTION DU PATTERN	ACTION
default_snmp_linux_server	Pattern pour les serveurs linux	
apache_https		
default_snmp_alliedtelesis	pattern de supervision des switch Allied telesis	
default_snmp_apc_pdu	pattern de supervision des pdu APC	
default_snmp_axis_camera	pattern de supervision des cameras axis	
default_snmp_cisco_switch	pattern de supervision des switch cisco	
default_snmp_cisco_ucs	pattern de supervision des interfaces ucs de cisco	
default_snmp_cisco_xr	Pattern SNMP Cisco pour les routeurs tournant sur IOS XR (testé sur des CISCOs ASR9006)	
default_snmp_clavister	pattern de supervision des firewall clavister	

You will be taken directly to the list of services in the pattern.

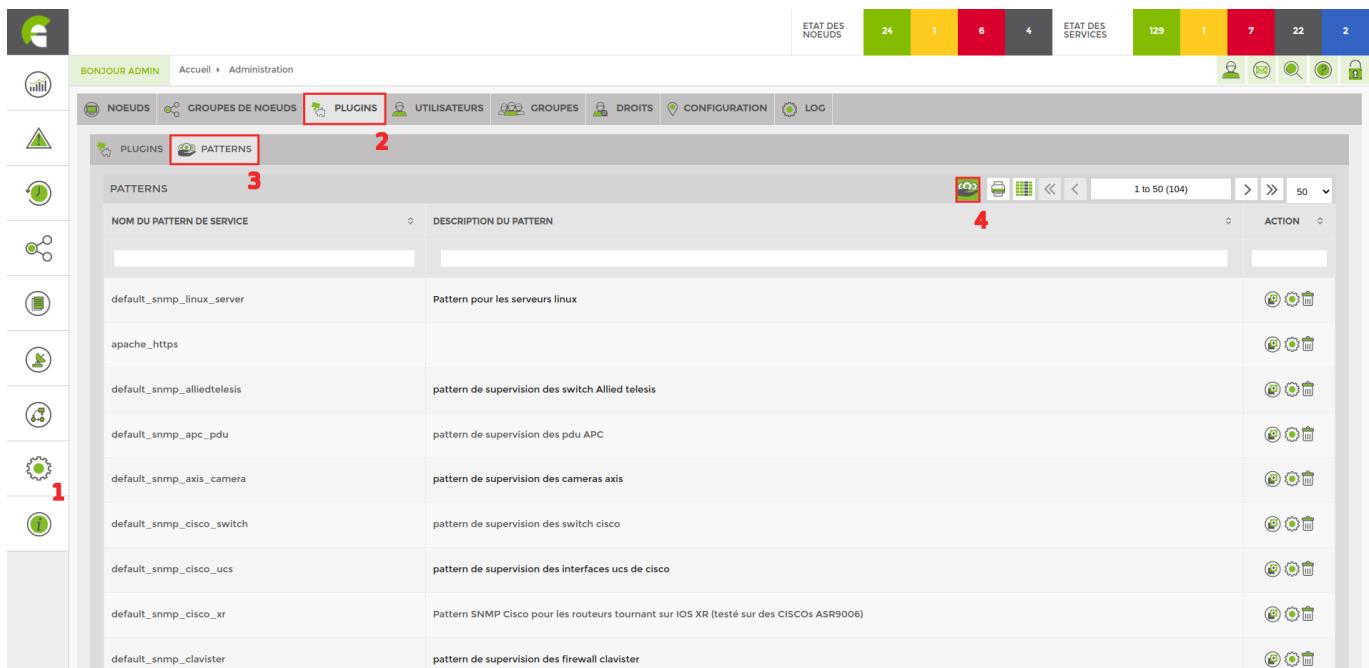
PATTERN	SERVICES	ALERTES	NOEUDS	Mettre à jour les noeuds
<b>SERVICES</b> <b>ajouter un service</b>				
NOM DU SERVICE	NOM TECHNIQUE	INTERVALLE	DESCRIPTION	ACTION
CHECK_SNMP_LINUX_MEM	CHECK_SNMP_LINUX_MEM	300000	Récupère la quantité de mémoire RAM et SWAP consommée par un système Linux/unix	
CHECK_SNMP_LOAD	CHECK_SNMP_LOAD	300000	Récupère la charge CPU utilisée. Fonctionne sous Linux windows,Esx,etc	
CHECK_ICMP	CHECK_ICMP	300000	Test le ping d'un noeud. Permet également de connaître la latence réseau ex: check_icmp -H google.be -w 200.50 -c 300.100	
CHECK_SNMP_LINUX_STORAGE	CHECK_SNMP_LINUX_STORAGE	300000	Récupère la quantité d'espace de stockage libre/utilisé d'un système linux/unix	
CHECK_SNMP_TIME	CHECK_SNMP_TIME	300000	Test l'écart de temp entre le système de monitoring et le serveur.	

- **Pattern** Used to modify the pattern name and description.
- **Services** Allows you to add, modify or delete a service.
- **Alerts** Allows you to configure/modify alerts.
- **Nodes** displays the list of nodes to which the pattern is linked.

# Creating a pattern

In Esia, you can create your own service patterns!

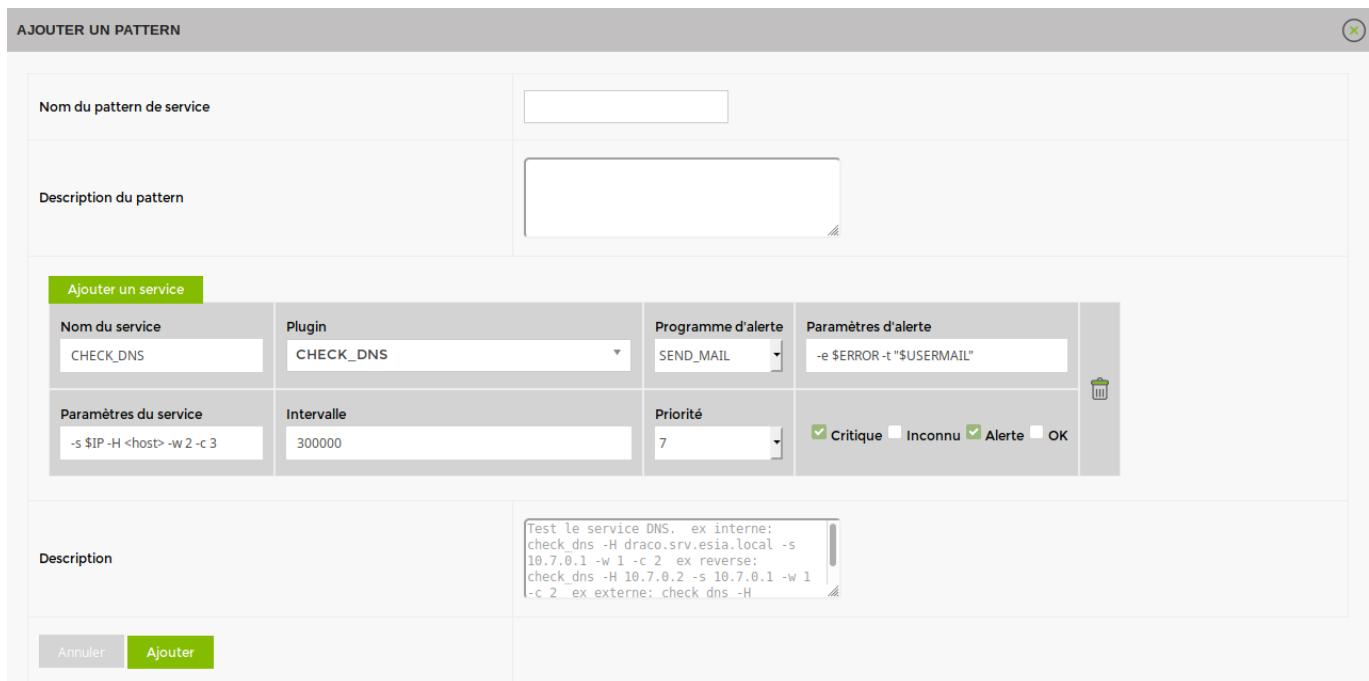
To do this, go to the « **Administration**

 Go to « **Plugins** → **Patterns** » then click on the  at the top right.
 


The screenshot shows the Esia Administration interface. The top navigation bar has tabs for NOEUDS, GROUPES DE NOEUDS, PLUGINS (highlighted with a red box), UTILISATEURS, GROUPES, DROITS, and LOG. Below this, a sub-navigation bar has tabs for PLUGINS (highlighted with a red box) and PATTERNS (highlighted with a red box and a red number '3' above it). The main content area displays a table of patterns:

NOM DU PATTERN DE SERVICE	DESCRIPTION DU PATTERN	ACTION
default_snmp_linux_server	Pattern pour les serveurs linux	
apache_https		
default_snmp_alliedtelesis	pattern de supervision des switch Allied telesis	
default_snmp_apc_pdu	pattern de supervision des pdu APC	
default_snmp_axis_camera	pattern de supervision des cameras axis	
default_snmp_cisco_switch	pattern de supervision des switch cisco	
default_snmp_cisco_ucs	pattern de supervision des interfaces ucs de cisco	
default_snmp_cisco_xr	Pattern SNMP Cisco pour les routeurs tournant sur IOS XR (testé sur des CISCOs ASR9006)	
default_snmp_clavister	pattern de supervision des firewall clavister	

This will open a new window.



The dialog box has a title bar 'AJOUTER UN PATTERN' and a close button. It contains the following fields:

- Nom du pattern de service:** (Service pattern name) input field.
- Description du pattern:** (Pattern description) text area.
- Ajouter un service:** (Add service) section with a table:
 

Nom du service	Plugin	Programme d'alerte	Paramètres d'alerte
CHECK_DNS	CHECK_DNS	SEND_MAIL	-e \$ERROR -t "\$USERMAIL"
- Paramètres du service:** (Service parameters) table with rows for 'Nom du service' (CHECK\_DNS), 'Plugin' (CHECK\_DNS), 'Intervalle' (300000), 'Priorité' (7), and alert levels (Critique, Inconnu, Alerte, OK).
- Description:** (Description) text area containing a command-line script for testing DNS services.
- Buttons:** 'Annuler' (Cancel) and 'Ajouter' (Add) at the bottom.

Give your pattern a name and a description, then add services to it.

The text in the « Description » field at the bottom is the description of the plugin selected in the « Plugin ».

The screenshot shows a configuration form for adding a service. The 'Nom du service' (Service name) is 'CHECK\_DNS'. The 'Plugin' dropdown is set to 'CHECK\_DNS' (highlighted with a red box). The 'Programme d'alerte' (Alert programme) is 'SEND\_MAIL'. The 'Paramètres d'alerte' (Alert parameters) field contains the command '-e \$ERROR -t \"\$USERMAIL\"'. The 'Priorité' (Priority) is set to 7. Under the 'Description' section, there is a text area containing sample commands for testing DNS services:

```
Test le service DNS: ex interne:  
check dns -H draco.srv.esia.local -s  
10.7.0.1 -w 1 -c 2 ex reverse:  
check dns -H 10.7.0.2 -s 10.7.0.1 -w 1  
-c 2 ex externe: check dns -H
```

Configure your plugins:

- Choose a plugin from the drop-down menu.
- Change the name of the service (or keep the name of the plugin).
- Select an alert programme (by email or SMS).
- Modify the alert parameters (if necessary).
- Modify the service parameters (if necessary).
- Choose an interval in milliseconds for the plugin to run (300,000 = every 5 minutes).
- Choose a priority for the service (See [Adding services => Service priority](#)).
- Tick the status (Critical, Unknown, Alert, OK) for which you wish to be notified by the alert programme.

Once all your plugins are configured, don't forget to click on « Ajouter » at the bottom left to save the pattern.

## Delete a pattern

Go to the administration page and then **plugins > patterns**. Click on the « **supprimer** » button of the pattern you wish to delete.

**/It is impossible to recover a deleted default pattern.**

**PATTERNS**

NOM DU PATTERN DE SERVICE	DESCRIPTION DU PATTERN	ACTION
default_snmp_linux_server	Pattern pour les serveurs linux	
apache_https		
default_snmp_alliedtelesis	pattern de supervision des switch Allied telesis	
default_snmp_apc_pdu	pattern de supervision des pdu APC	
default_snmp_axis_camera	pattern de supervision des cameras axis	
default_snmp_cisco_switch	pattern de supervision des switch cisco	
default_snmp_cisco_ucs	pattern de supervision des interfaces ucs de cisco	
default_snmp_cisco_xr	Pattern SNMP Cisco pour les routeurs tournant sur IOS XR (testé sur des CISCOs ASR9006)	
default_snmp_clavister	pattern de supervision des firewall clavister	

## Duplicating a pattern

Go to the administration page, then plugins > patterns. Click on the « **duplicquer** » button of the pattern you wish to duplicate.

**PATTERNS**

NOM DU PATTERN DE SERVICE	DESCRIPTION DU PATTERN	ACTION
default_snmp_linux_server	Pattern pour les serveurs linux	
apache_https		
default_snmp_alliedtelesis	pattern de supervision des switch Allied telesis	
default_snmp_apc_pdu	pattern de supervision des pdu APC	
default_snmp_axis_camera	pattern de supervision des cameras axis	
default_snmp_cisco_switch	pattern de supervision des switch cisco	
default_snmp_cisco_ucs	pattern de supervision des interfaces ucs de cisco	
default_snmp_cisco_xr	Pattern SNMP Cisco pour les routeurs tournant sur IOS XR (testé sur des CISCOs ASR9006)	
default_snmp_clavister	pattern de supervision des firewall clavister	

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