



## INSTALLAZIONE MANAGEMENT CHECKPOINT SU WINDOWS 2003 ENTERPRISE EDITION

Inserire il CD ROM contenente la cartella Windows\_wrapper\_R55\_15 quindi aprirla e lanciare il file **Setup.exe** .



Fig.1

Cliccare su **Next**

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Back Yes No

Fig.2

Cliccare su **Yes**

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**Installation Options**

Please select one of the following options:

- Check Point Enterprise/Pro**  
Check Point Enterprise/Pro - for headquarters and branch offices.
- Check Point Express**  
Check Point Express - for medium-sized businesses.

■ Find the most up-to-date information about the products on this CD.

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Fig.3

Cliccare su **Next**

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**Installation Options**

Please select one of the following options:

- Demo Installation**  
Install SmartConsole GUI clients only
- New Installation**  
Install SmartConsole GUI clients and/or additional server or desktop security products
- Installation Using Imported Configuration**  
Install server products based on imported configuration from another SmartCenter server

■ Don't have a configuration file yet? [Learn more.](#)

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Fig.4

Selezionare **New Installation** (già selezionato di default) e cliccare su **Next**

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Move mouse over a name to read about that product. Check the box next to the name to install that product.

**GATEWAY**

- VPN-1 Pro
  - VPN-1 Accelerator Cards
- FloodGate-1
- SecureClient Policy Server
- SmartView Monitor
- UserAuthority

**MANAGEMENT SERVER**

- SmartCenter
- SmartView Reporter

**MANAGEMENT CONSOLE**

- SmartConsole

**VPN CLIENT**

- VPN-1 SecuRemote / VPN-1 SecureClient

**Check Point's three-tier architecture**

Check Point's three-tier architecture consists of gateway-, client-, and host-based security enforcement points, a centralized management server and an intuitive dashboard-style GUI. This architecture delivers the most robust mechanism to create VPN, firewall, and QoS policies and automatically distribute them to multiple enforcement points, thus reducing labor and cutting costs.

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Fig.5

Selezionare **SmartCenter** e **SmartConsole** quindi cliccare **Next**.

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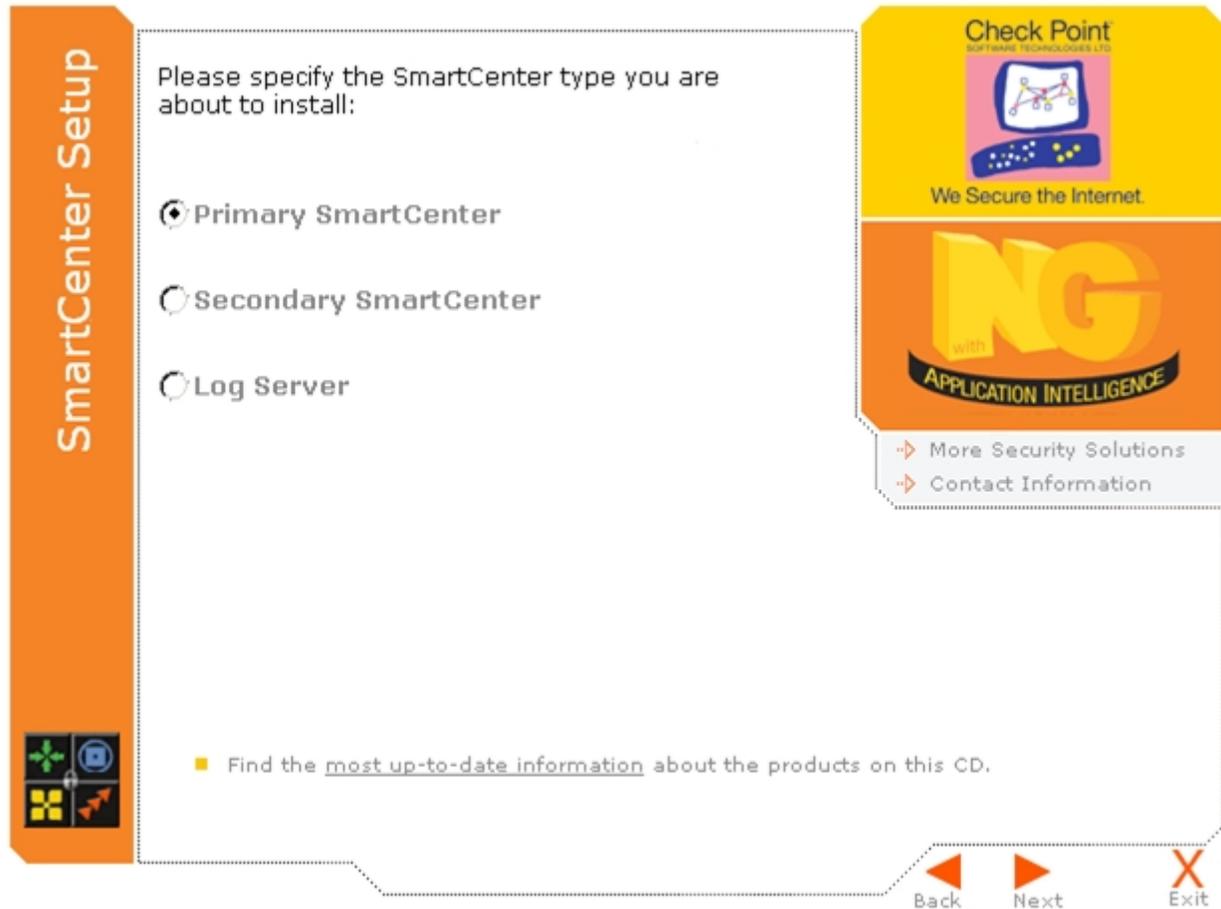


Fig.6

Selezionare **Primary SmartCenter** (seleziointo di Default) e cliccare su **Next**

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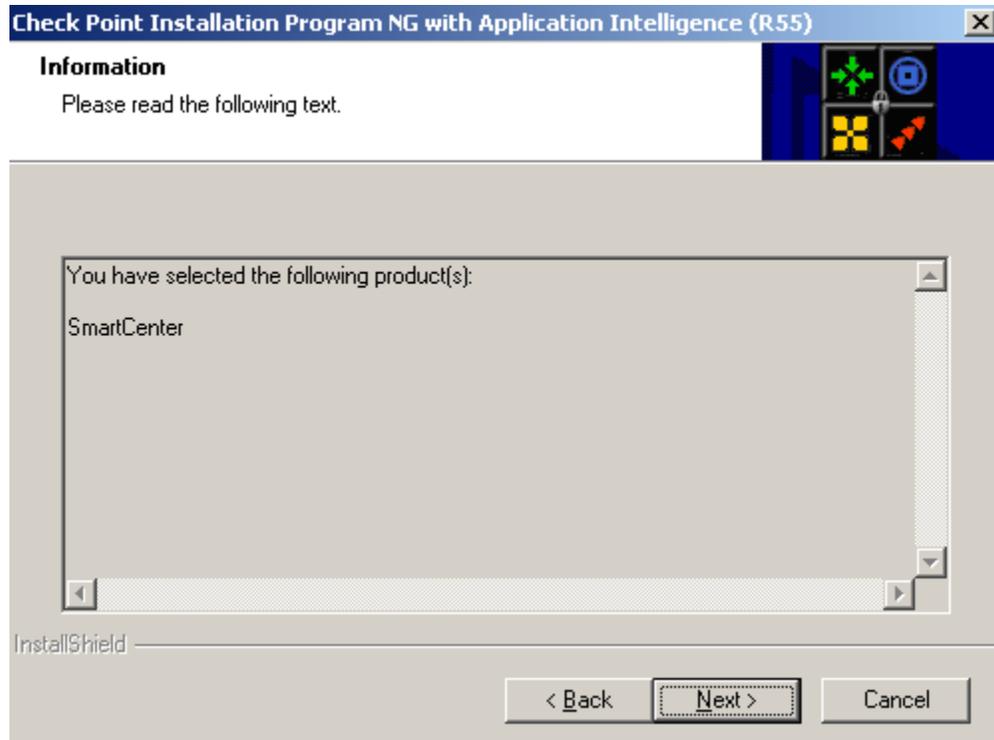


Fig.7

Cliccare su **Next**

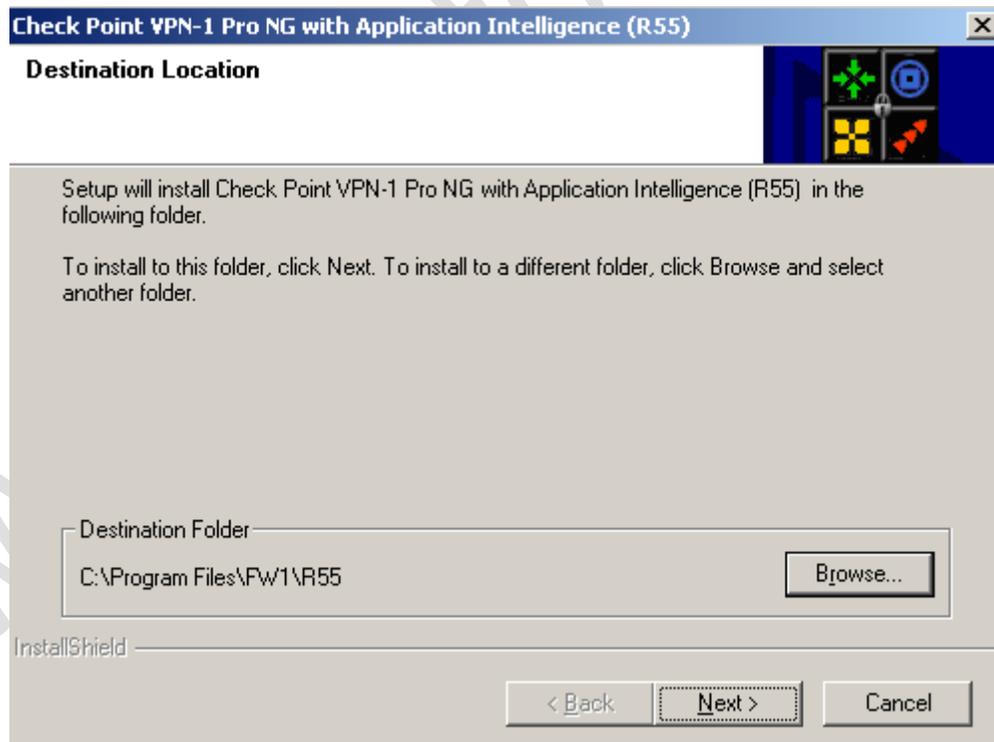


Fig.8

Cliccare su **Next**

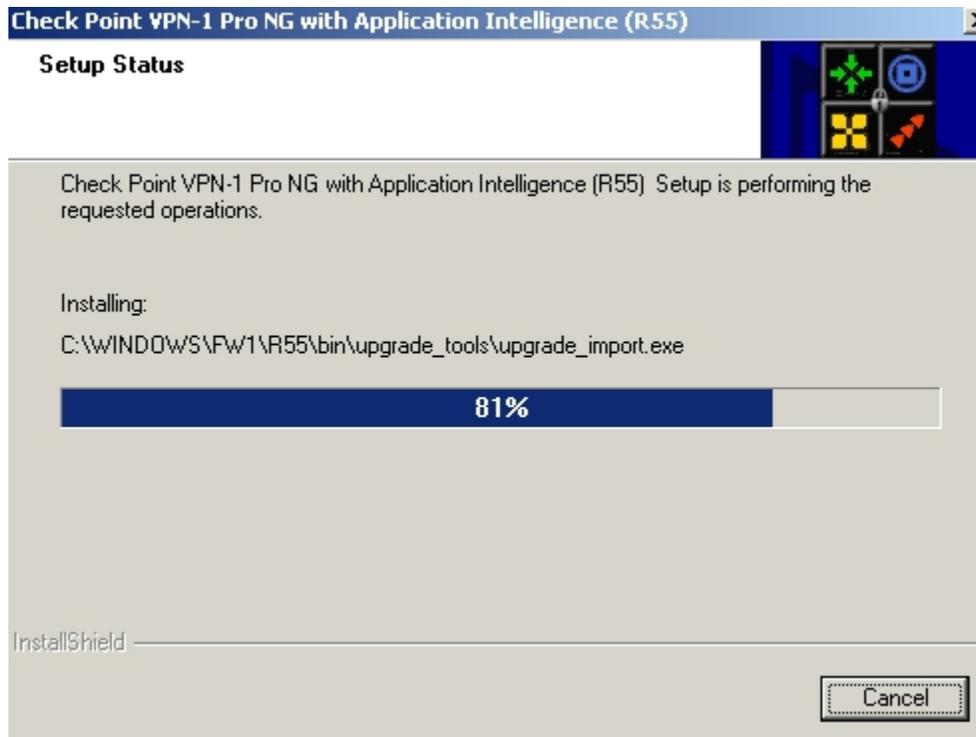


Fig.9

Attendere il completamento dell'installazione (occorreranno alcuni minuti)

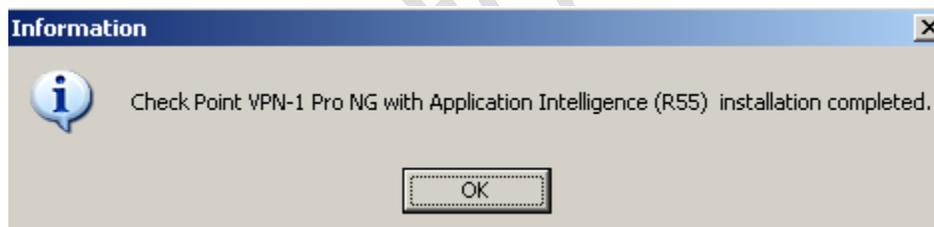


Fig.10

Cliccare su **OK**.

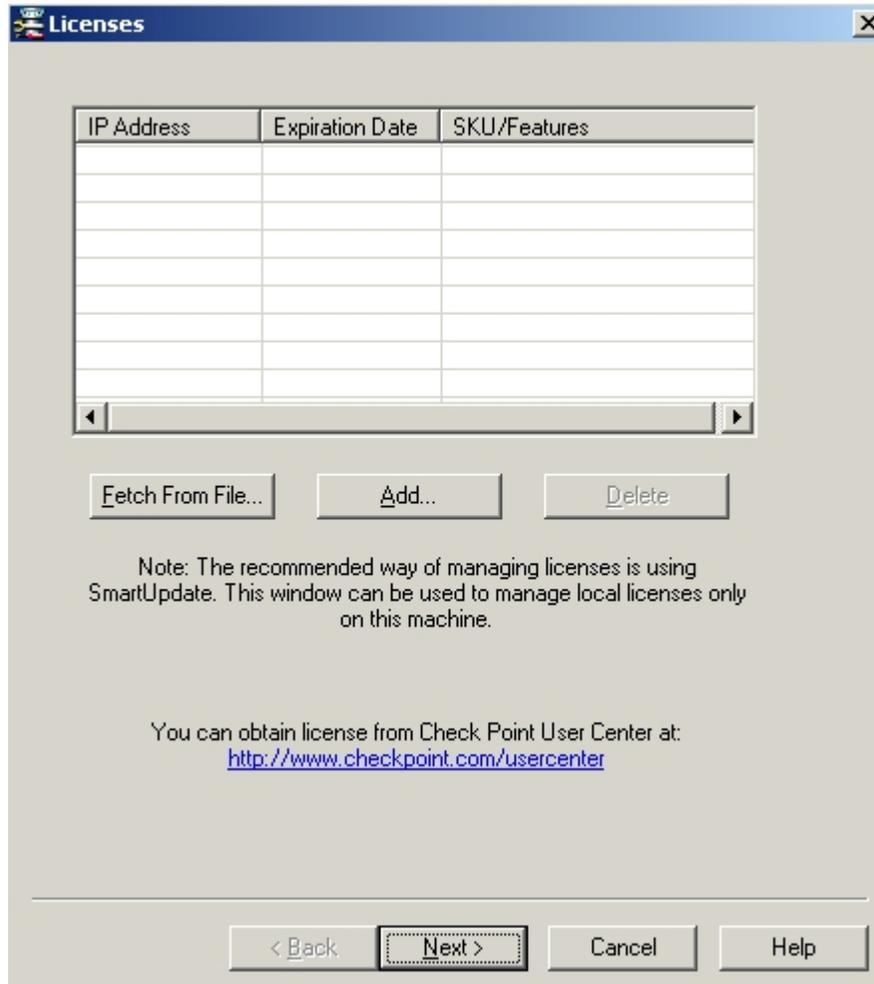


Fig.11

Cliccare su **Next** senza inserire la Licenza.

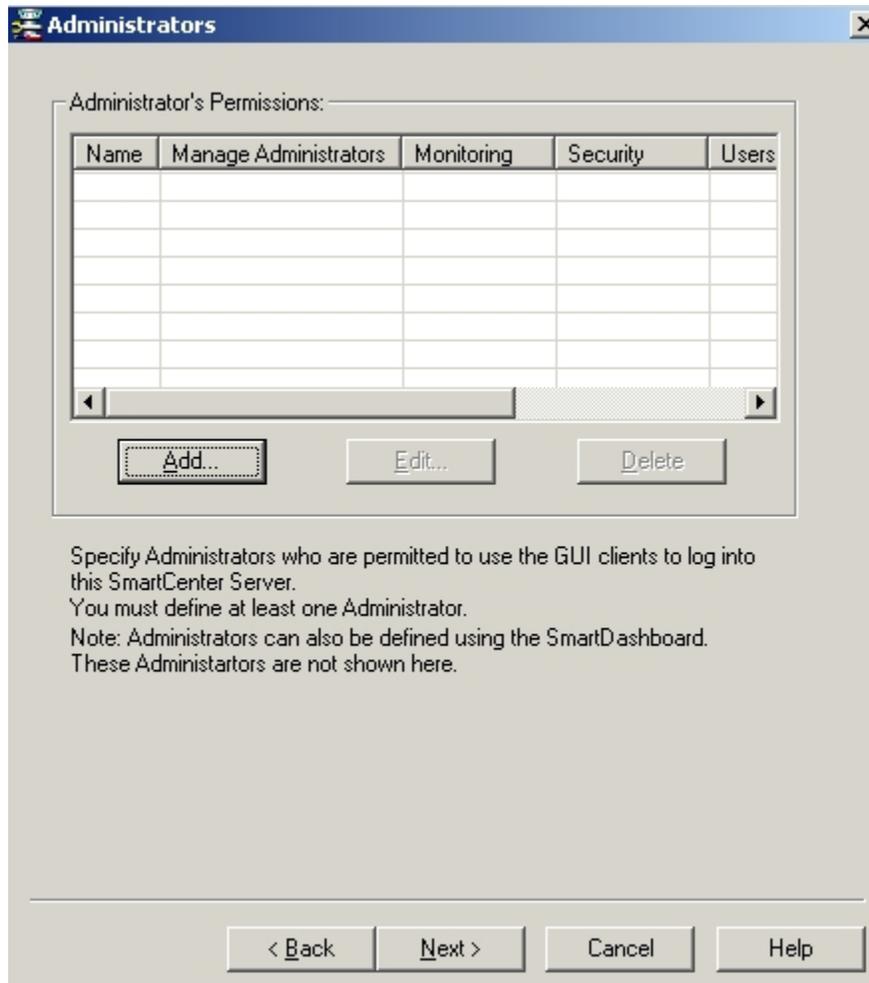


Fig.12

Inserire un utente che possa accedere alla GUI del client.

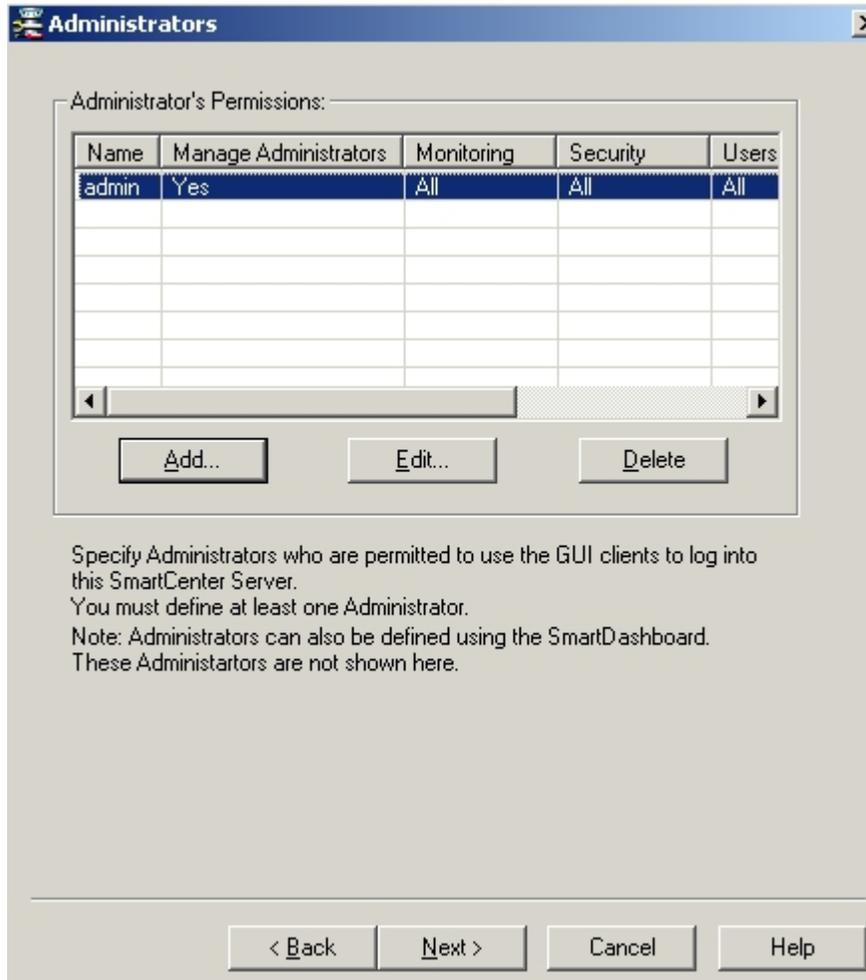


Fig.13

Cliccare su **Next**

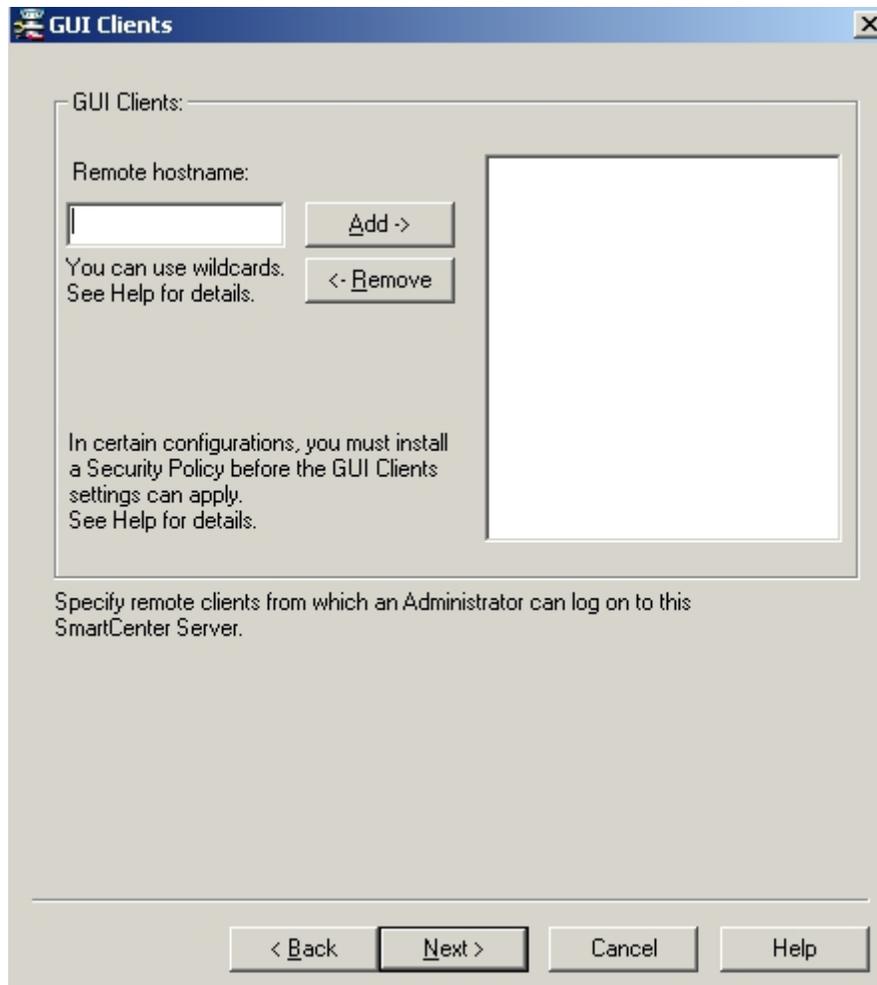


Fig.14

Cliccare su **Next**

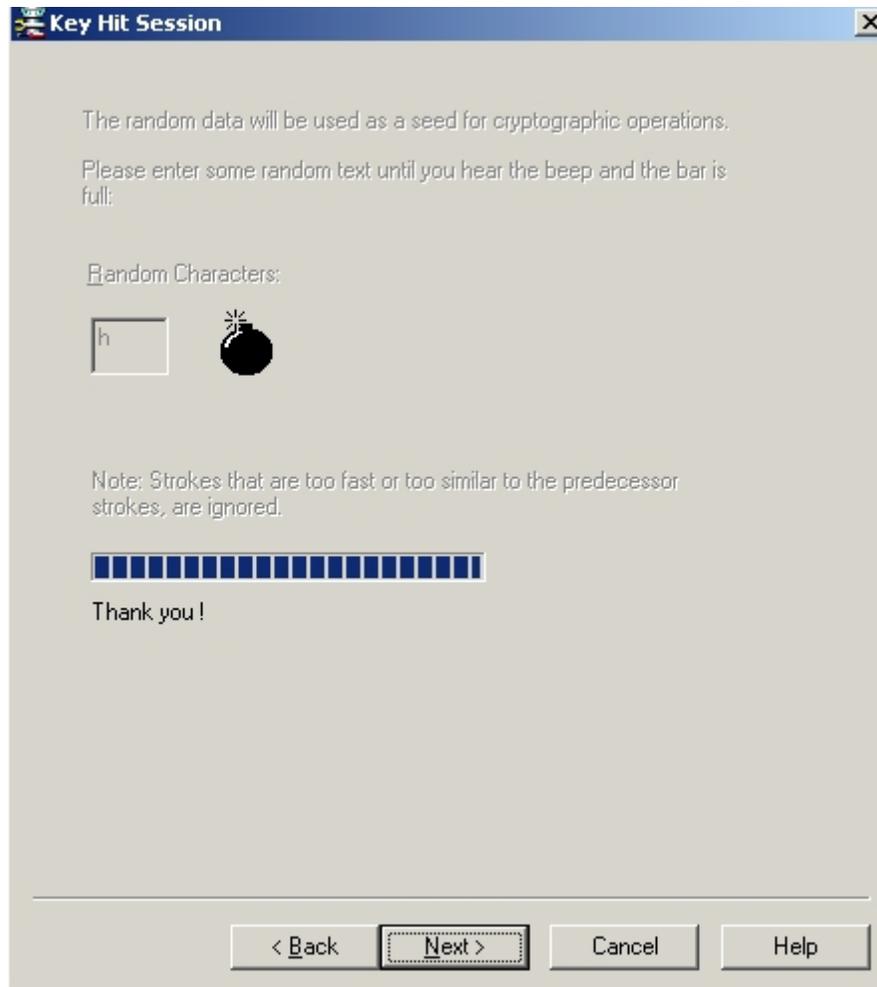


Fig.15

Premere a caso i pulsanti sulla tastiera per creare una chiave di sessione quindi cliccare su **Next**.

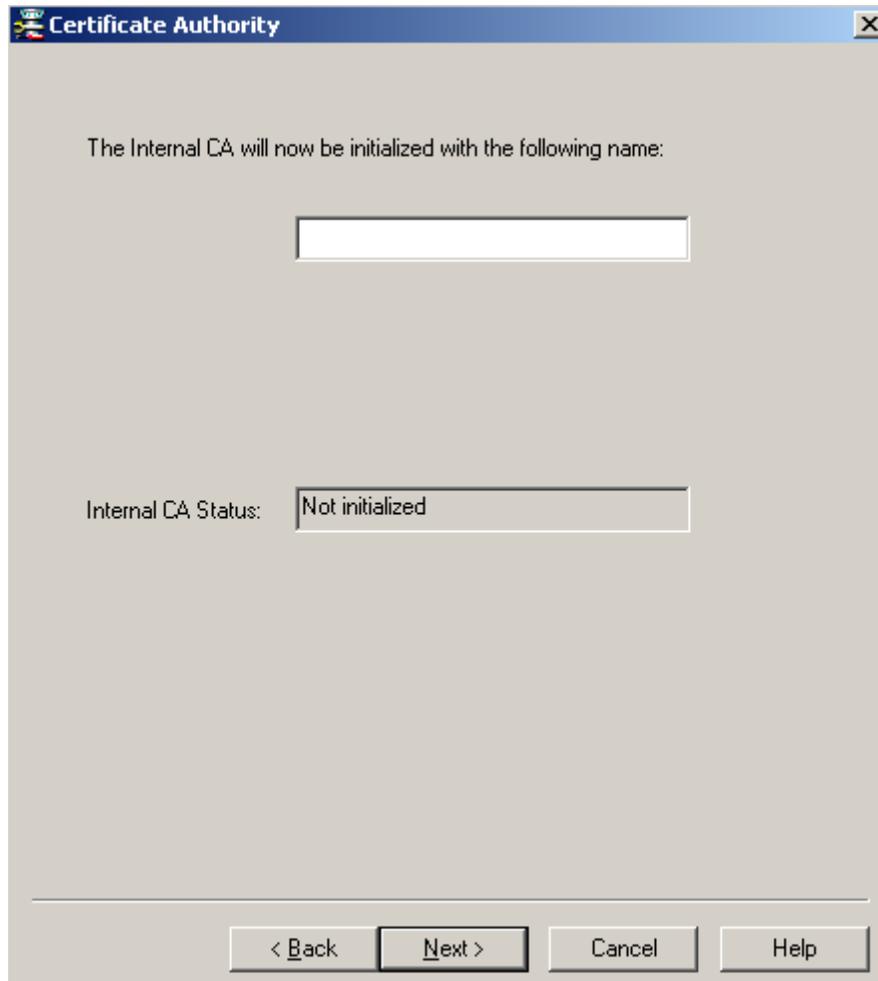


Fig.16

Inserire il nome delle **CA** e cliccare su **Next**. (lasciare quello di default)

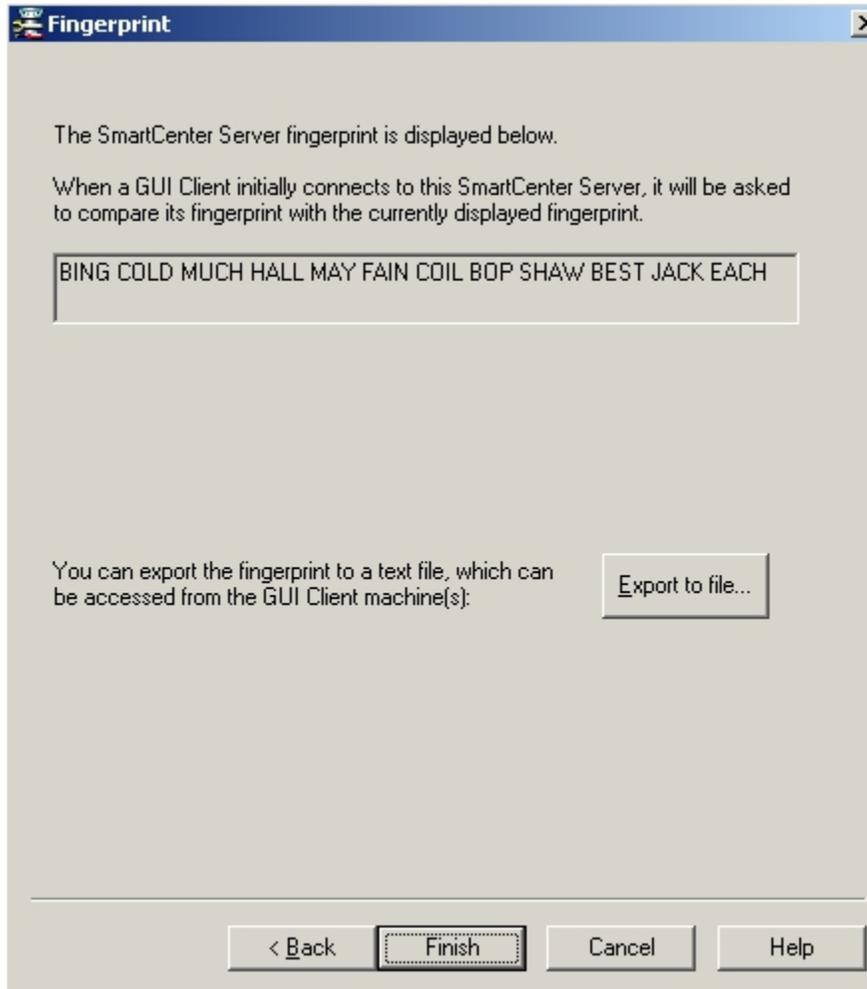


Fig.17

Cliccare su **Finish**.

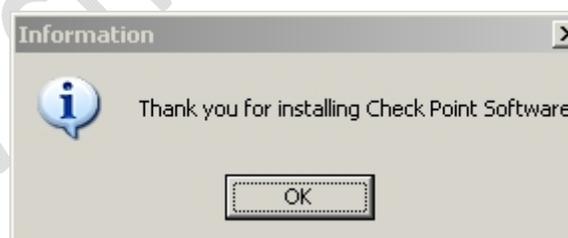


Fig.18

Cliccare su **OK**.

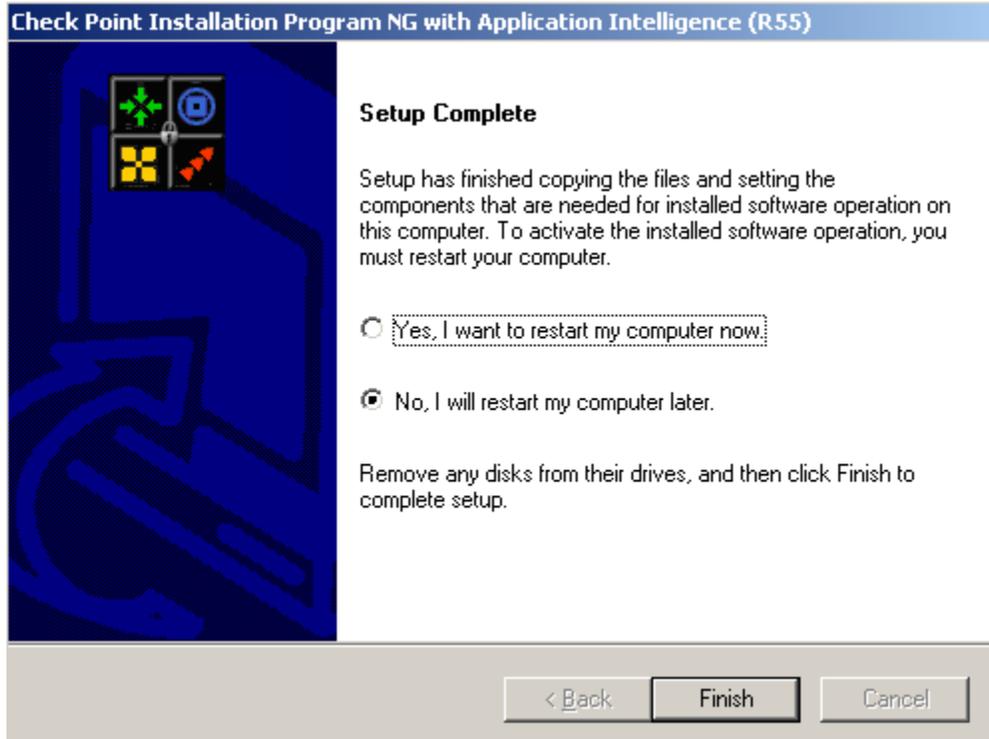


Fig.19

Selezionare no, **I will restart my computer later** e cliccare su **Finish**.

Quindi rimuovere il CD ROM di installazione e riavviare la macchina.



Adesso lanciamo il file `fwgui_R55_541000127_2_Win.exe`

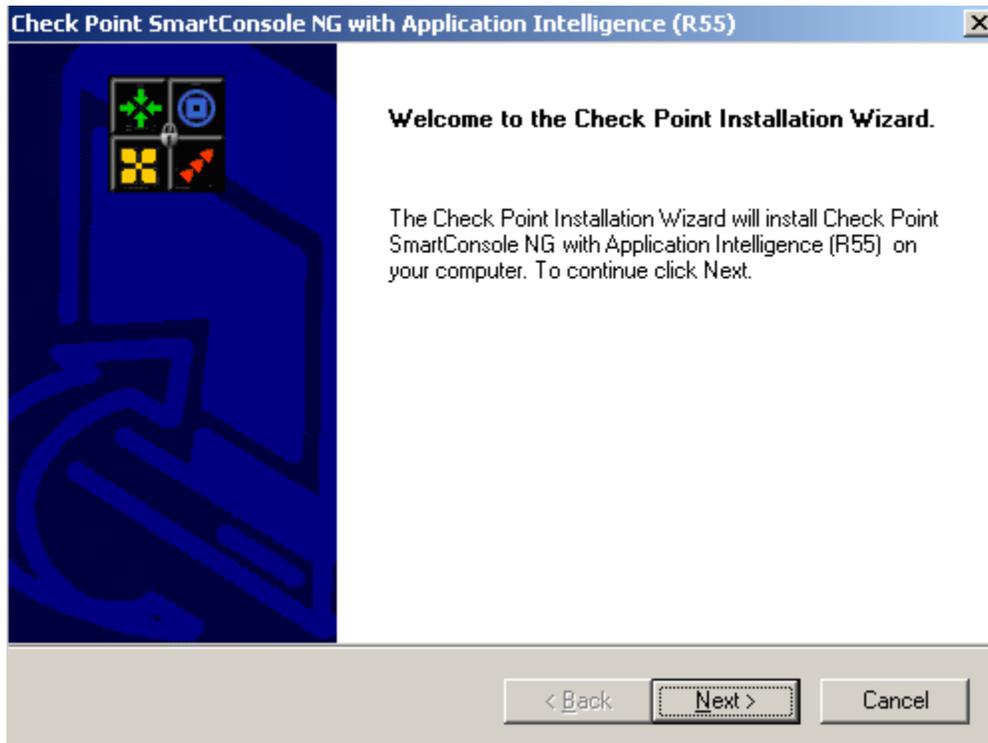


Fig.20

Cliccare su **Next**

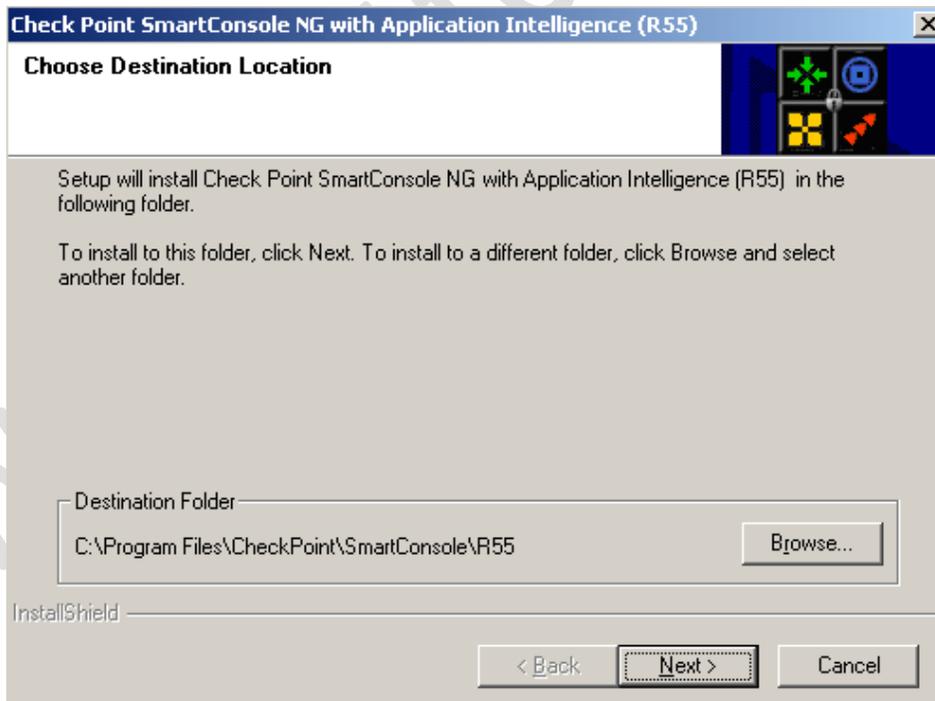


Fig.21

Cliccare su **Next**.

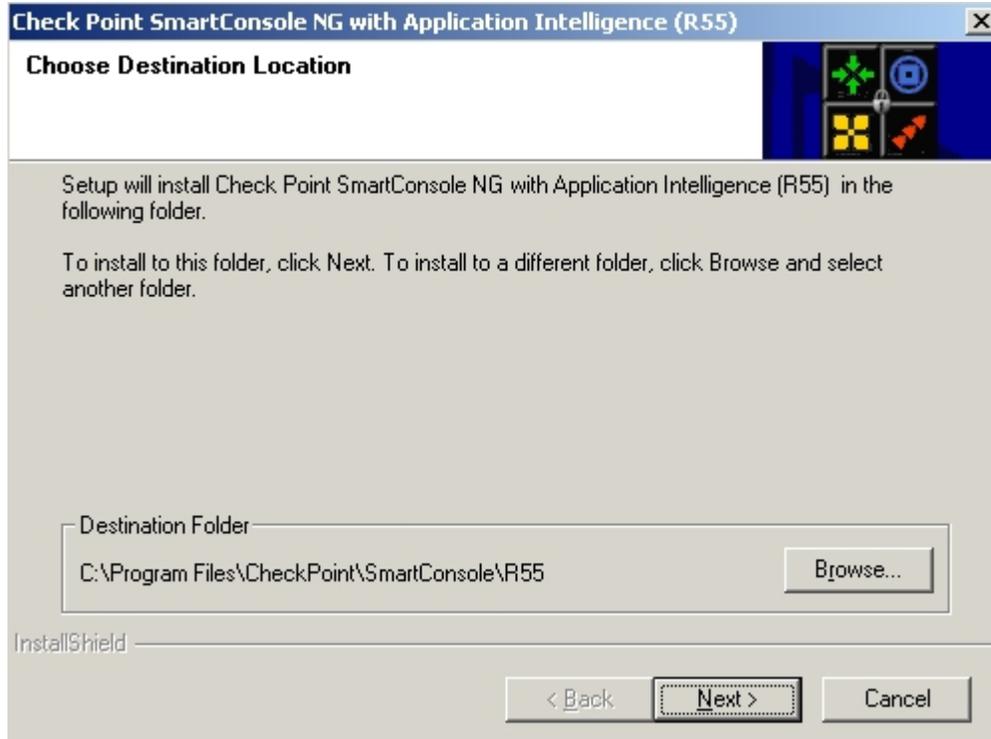


Fig.22

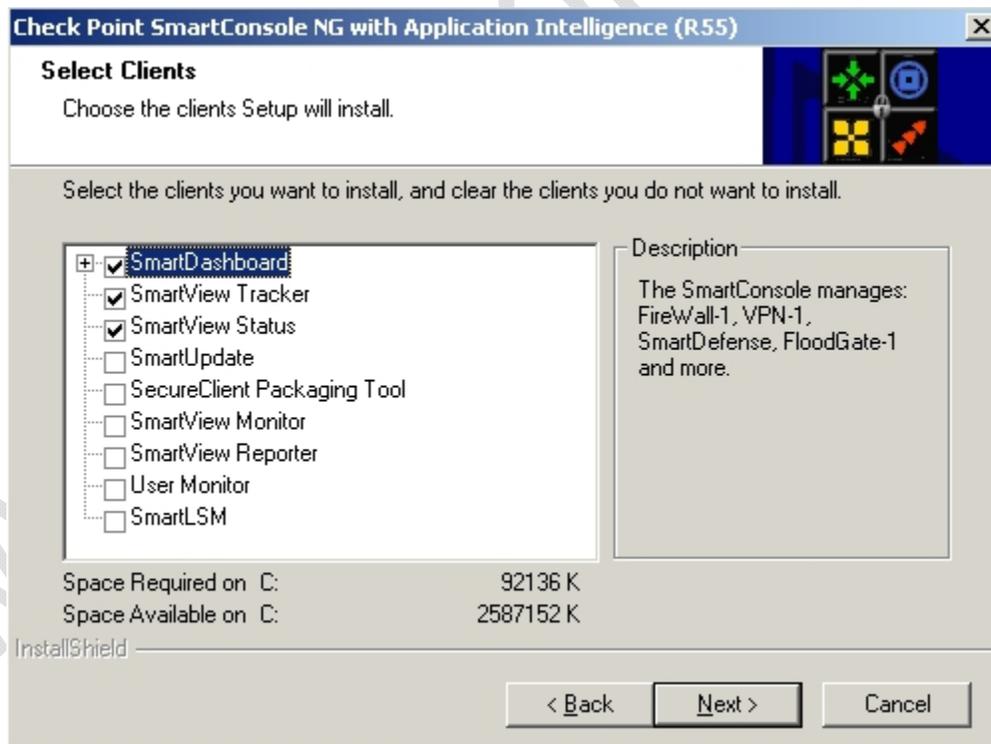


Fig.23

Cliccare su **Next**

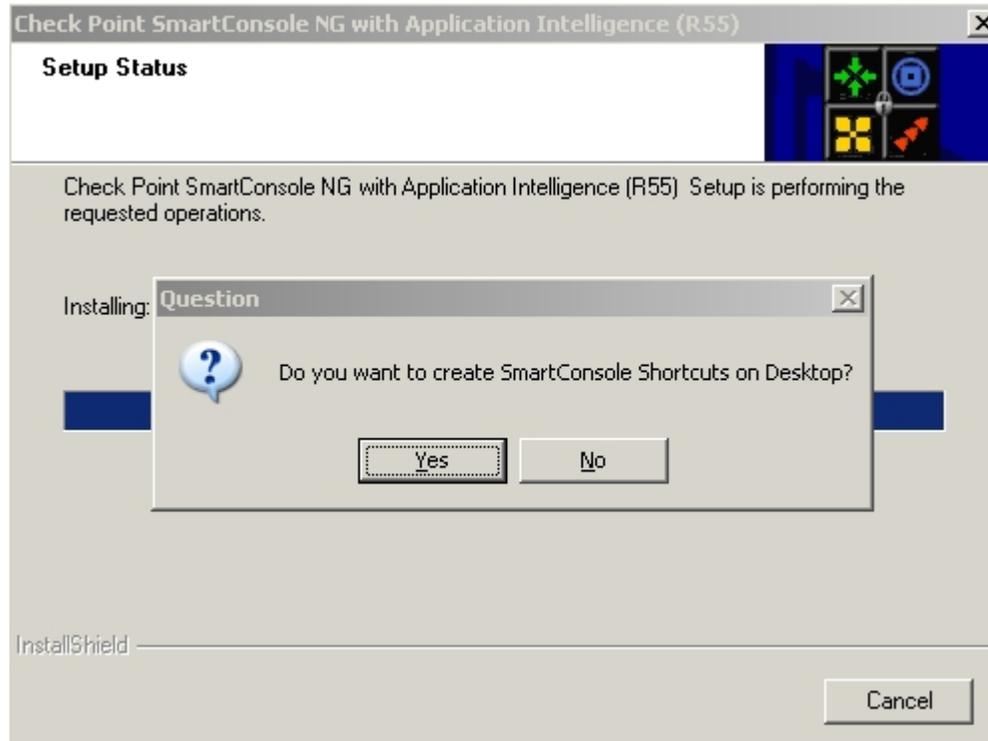


Fig.24

Cliccare su **No**.

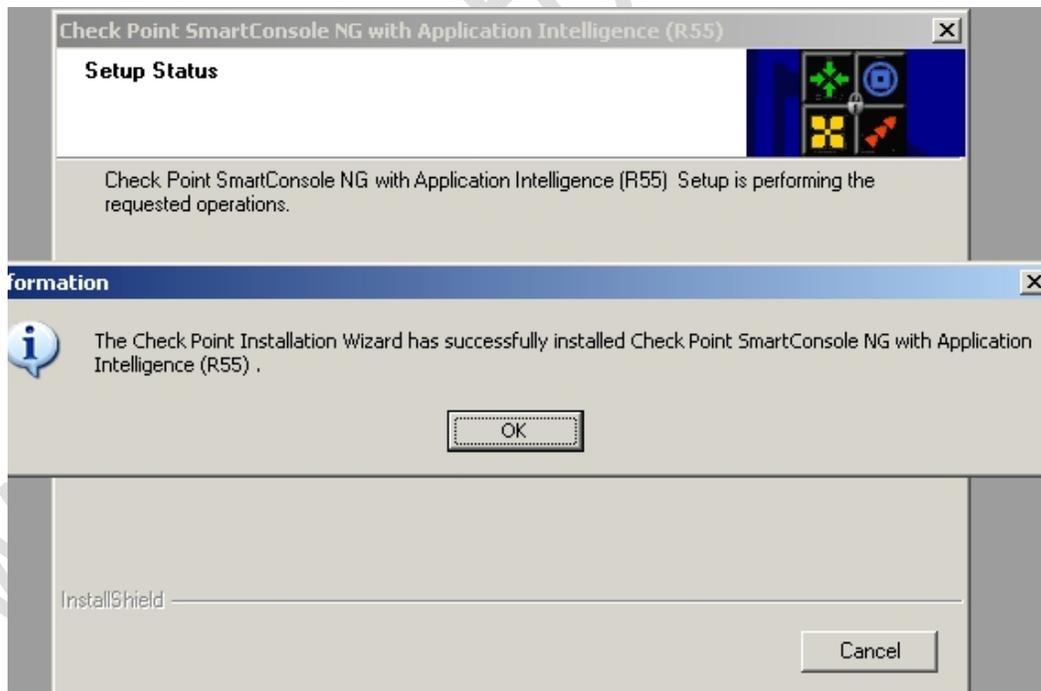


Fig.25

Cliccare su **OK**



Adesso avviamo lo SmartDashboard R55 da **Start, Programmi**.

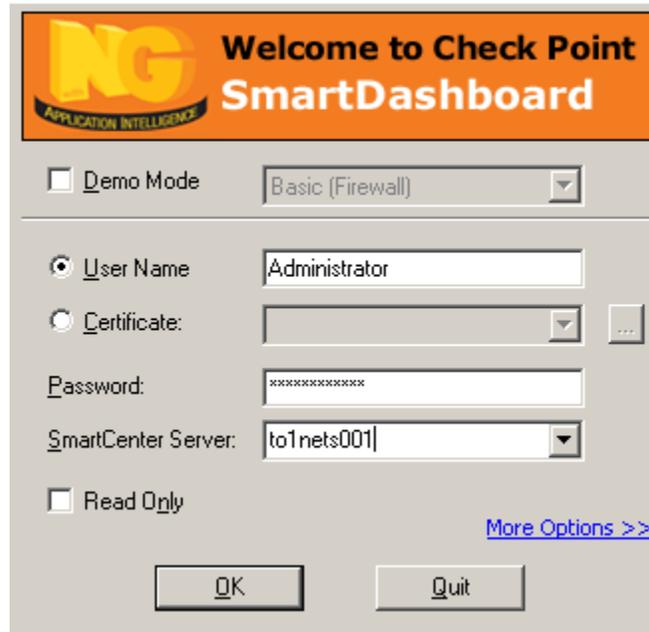


Fig.26

Autentichiamoci inserendo User Name, Password e SmartCenter Server (non è nient'altro che il nome DNS della macchina in oggetto).

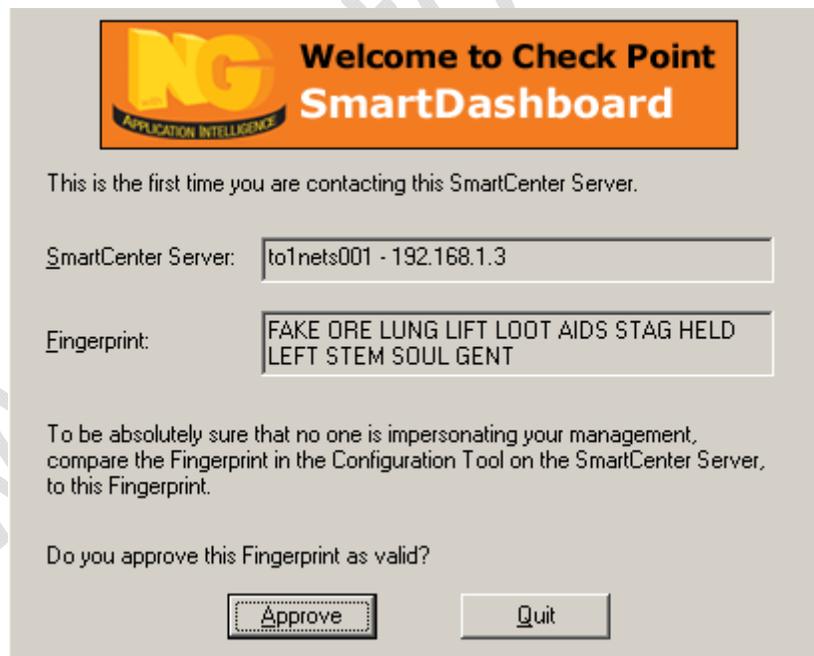


Fig.27

Cliccare su **Approve** (per il Fingerprint)

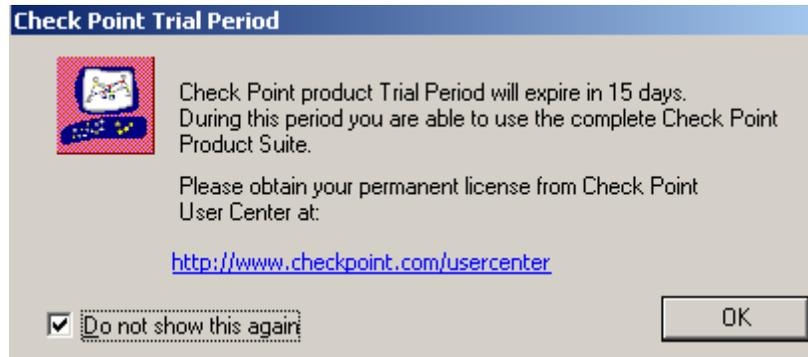


Fig.28

Cliccare su **OK**

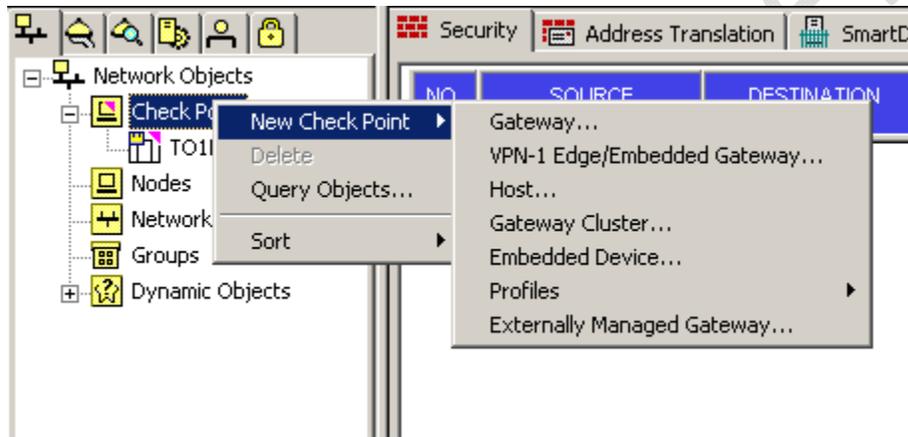


Fig.29



Adesso creiamo un **Gateway Cluster**.

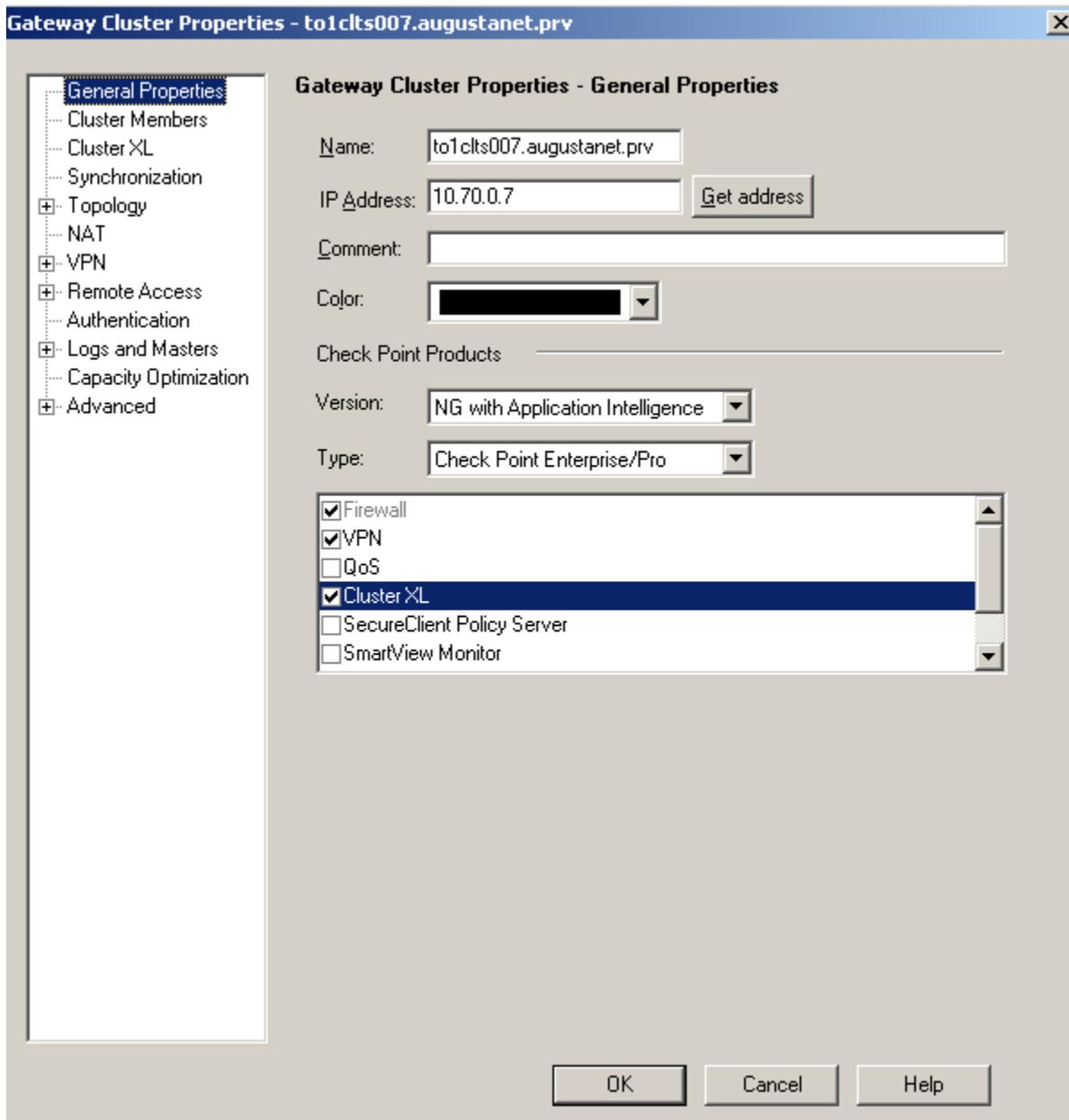


Fig.30

Questa è la configurazione delle **General Properties**.

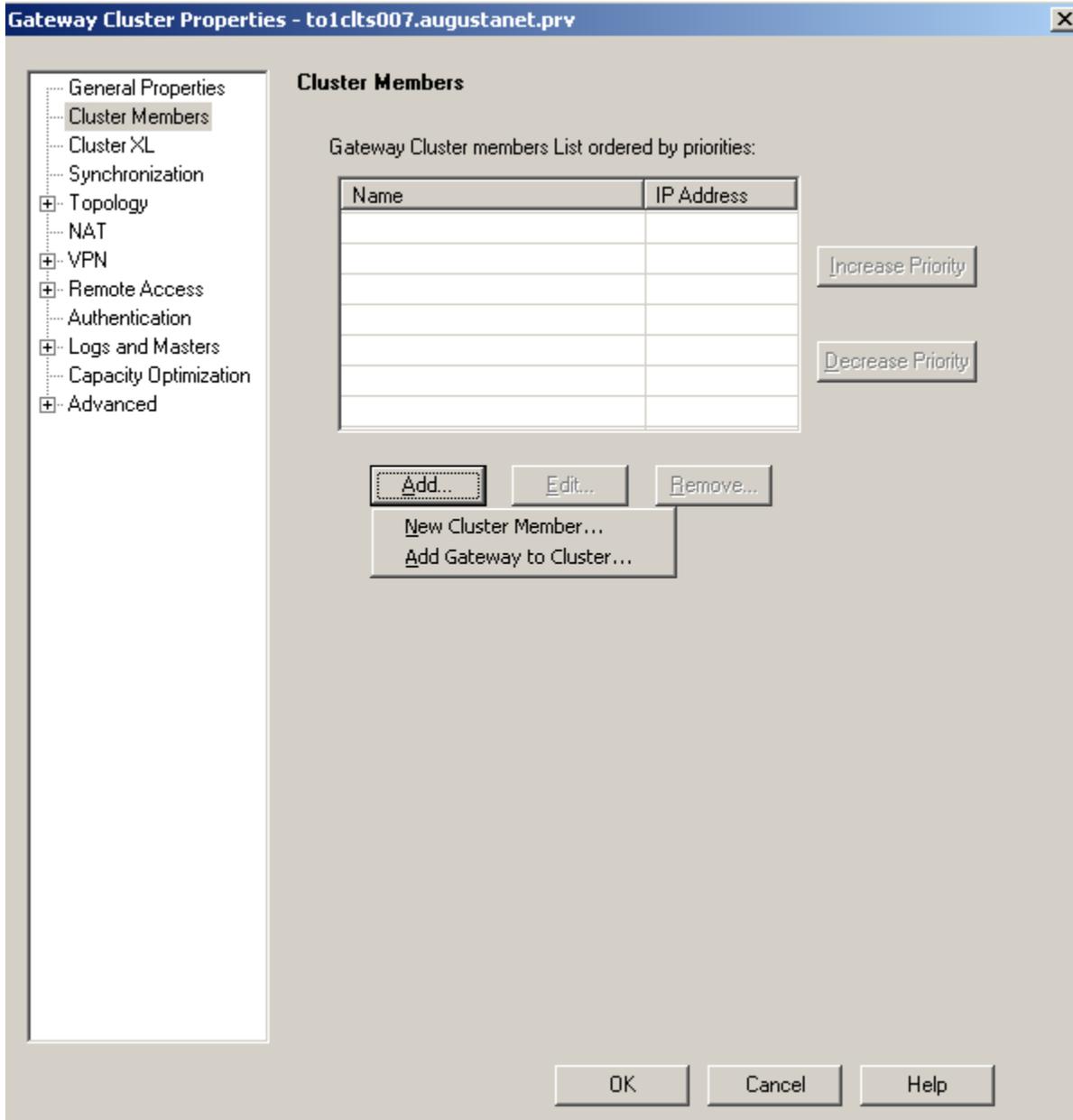


Fig.31

Clicchiamo su **Add** per aggiungere un **New Cluster Member**

Cluster Member Properties - to1cltn011.augustanet.prv

General | Topology | NAT | VPN

Name: to1cltn011.augustanet.prv

IP Address: 10.70.0.8

Comment:

Color:

Secure Internal Communication

DN:

**Fig.32**

Inseriamo il nome del primo nodo del cluster seguito dall'indirizzo IP.

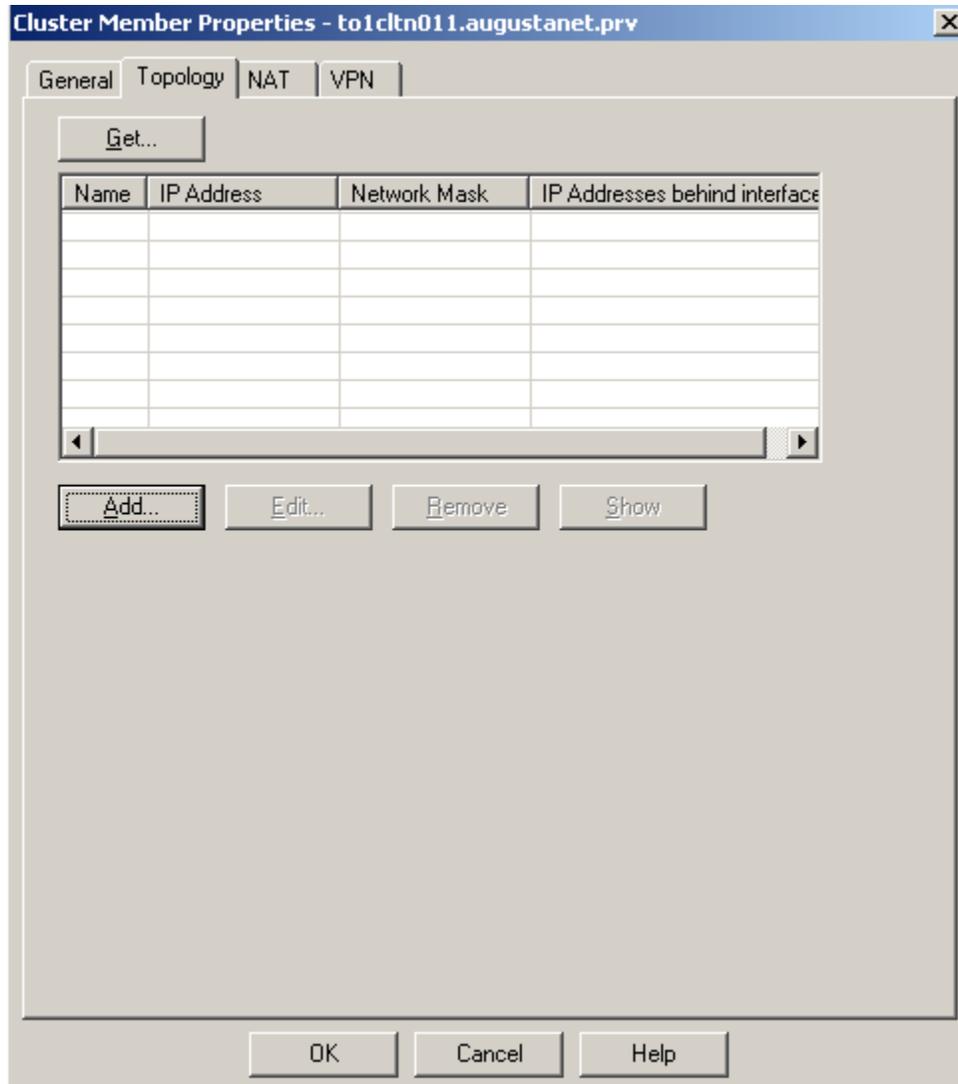


Fig.33

Nella sezione **Topology** inseriamo gli indirizzi corrispondenti alle interfacce.

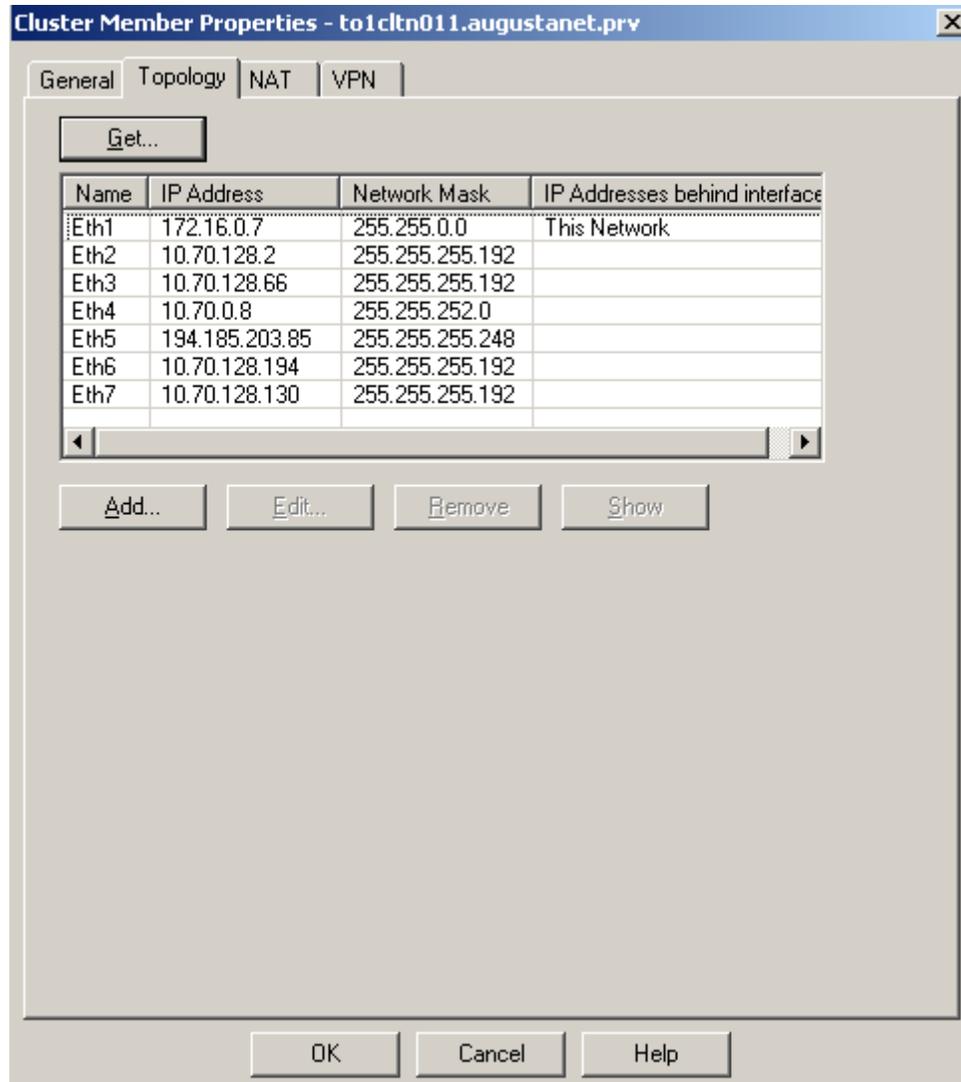


Fig.34

Dobbiamo ottenere il seguente risultato (Fig.34)

**!!!ATTENZIONE!!!** Tutte le interfacce vanno settate come Cluster Interface tranne l'interfaccia di Sync che va settata come mostrato in Figura 35

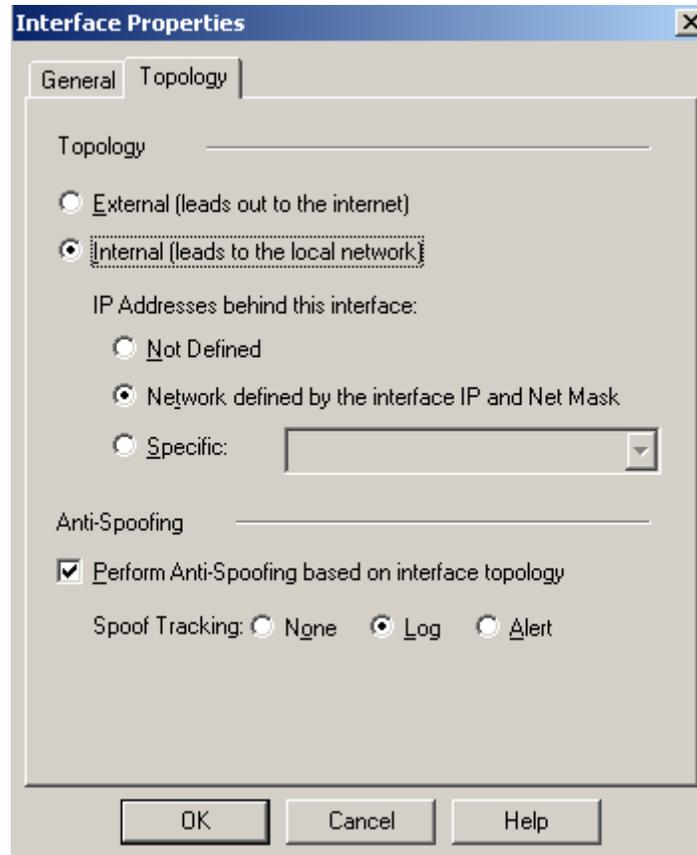
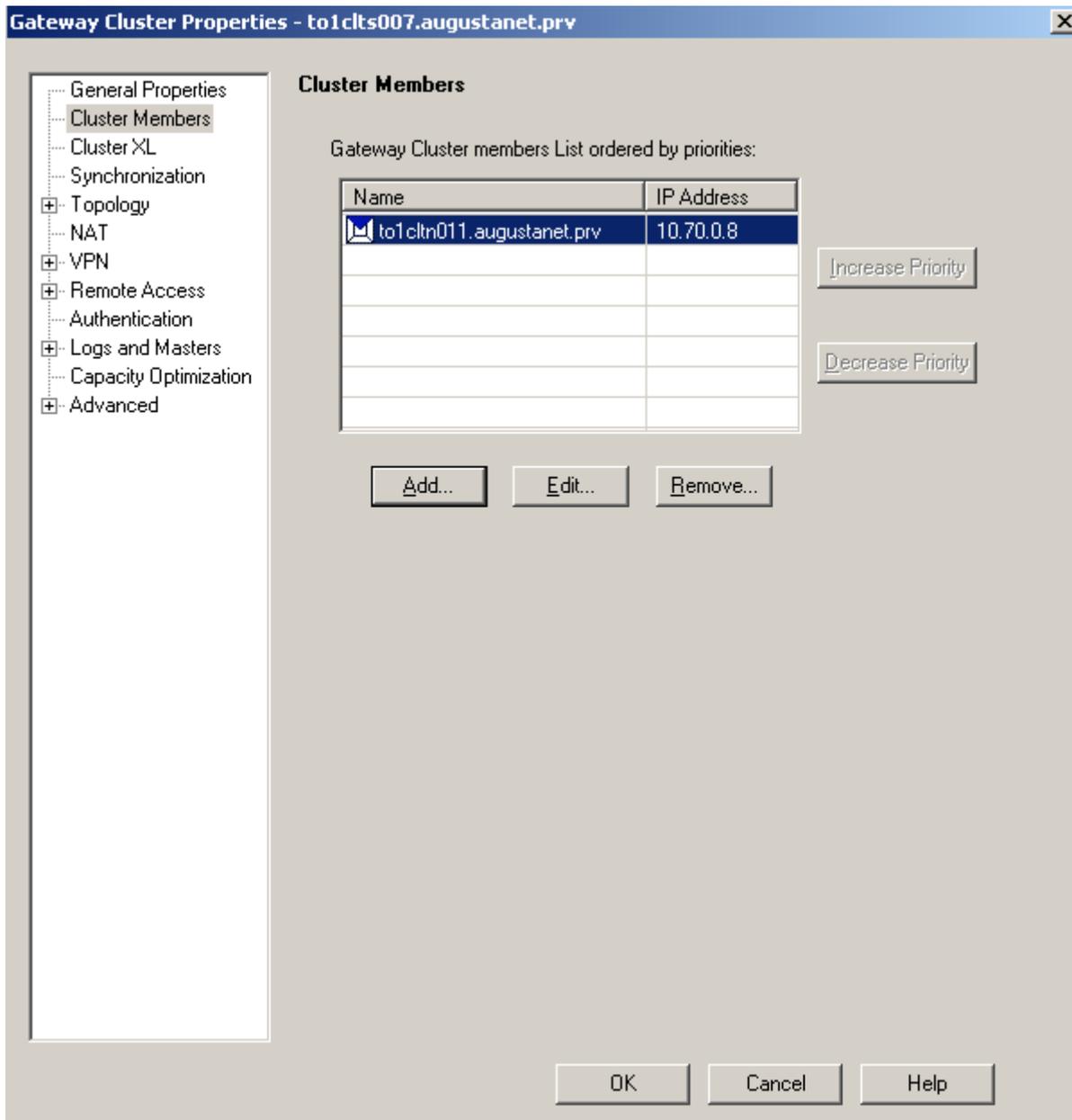


Fig.35



Clicchiamo su **OK** fino ad arrivare alla seguente schermata



**Fig.36**

Adesso procediamo con l'inserimento del secondo nodo del Cluster (la procedura è uguale)



Di seguito mostrerò la schermata con gli indirizzamenti IP.

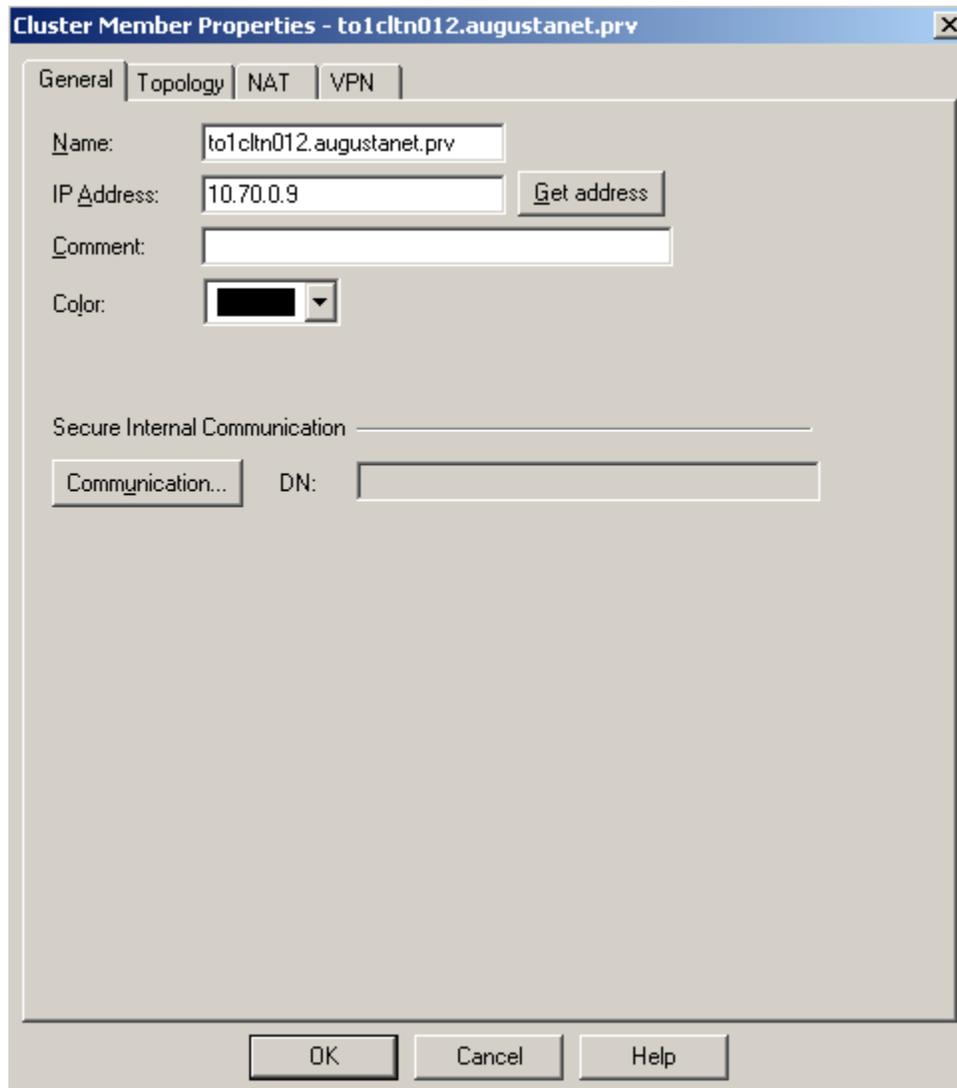


Fig.37



La Topologia

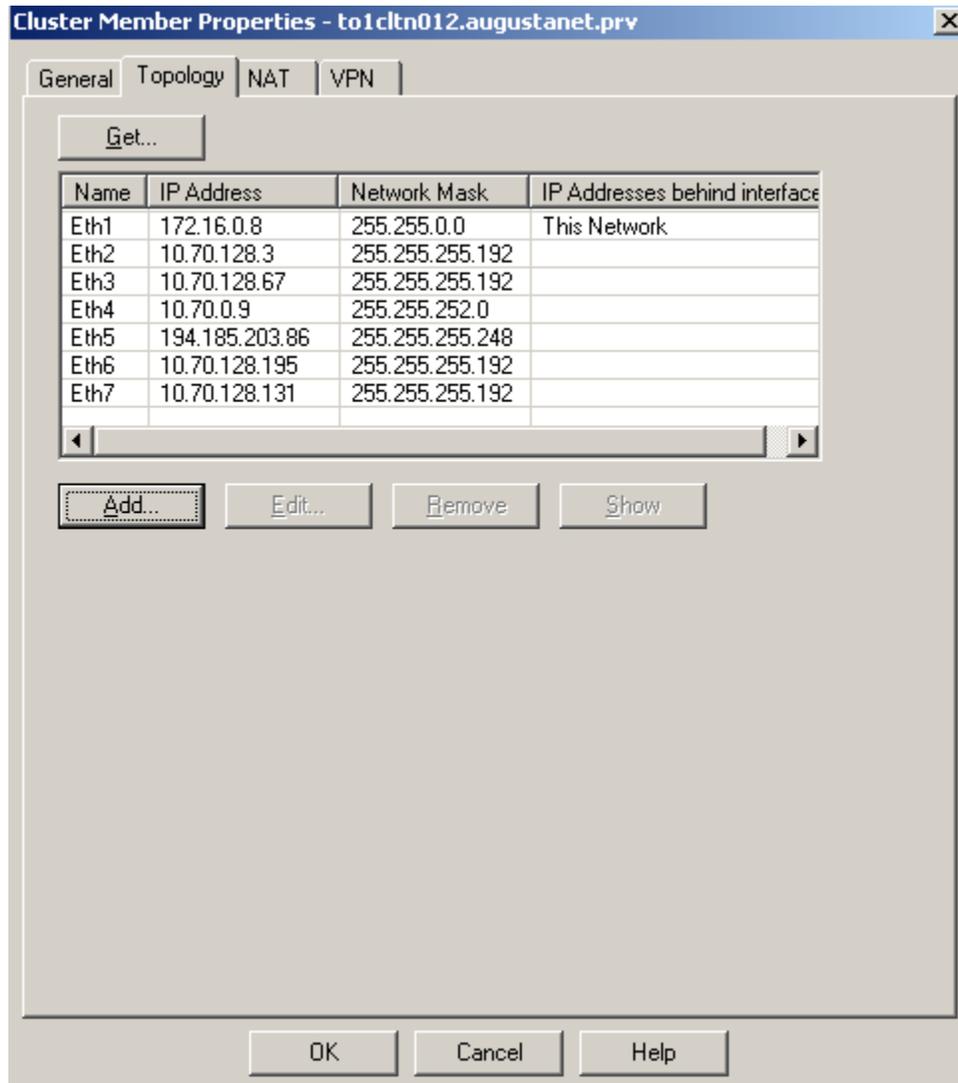


Fig.38

Indirizzamenti IP secondo nodo del Cluster



Adesso all'interno di **Gateway Cluster Properties** dovremmo avere una situazione come raffigurato in figura sottostante

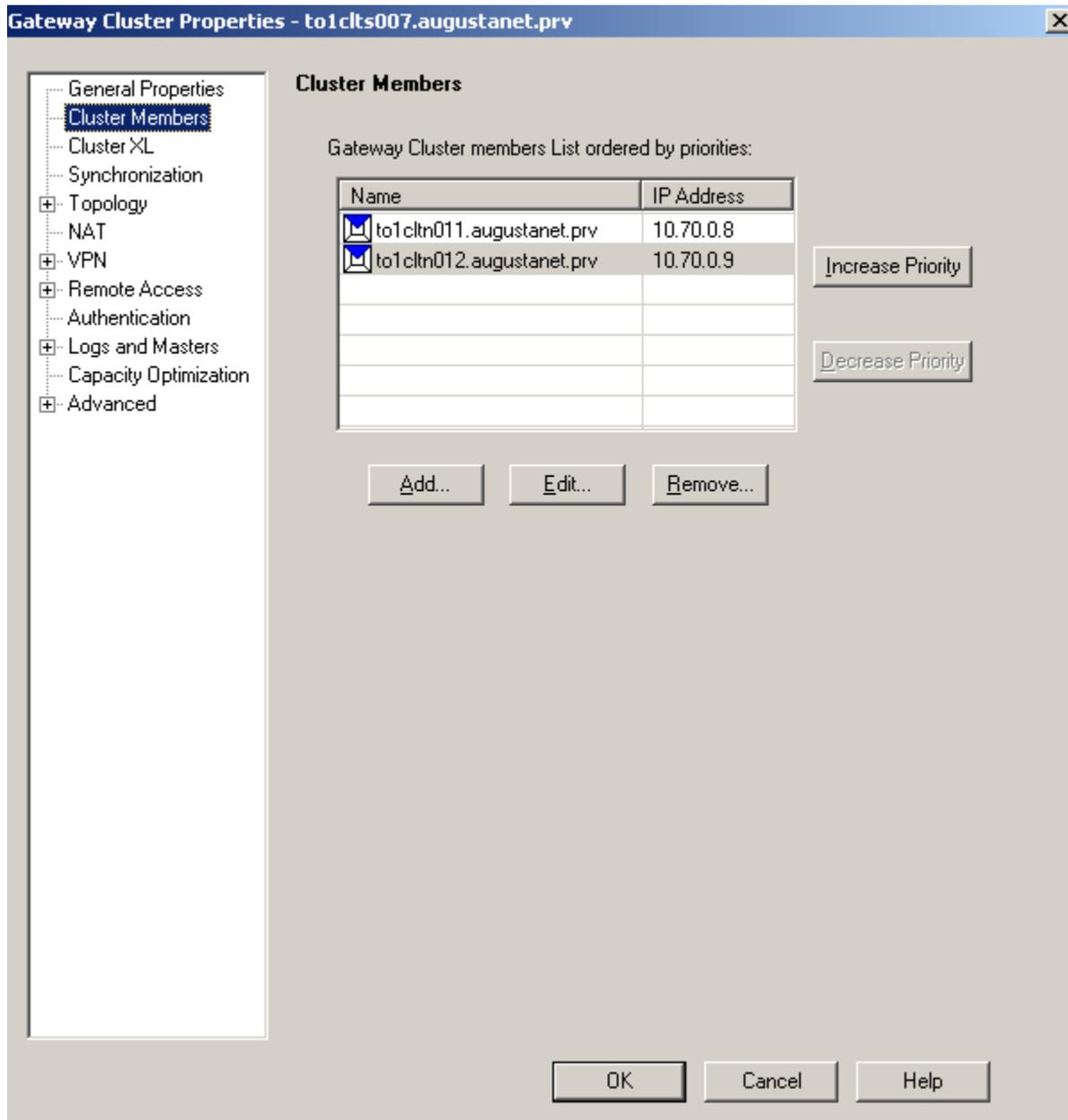


Fig.39



Nella **Sezione Synchronization** aggiungere la rete per la sincronizzazione tra i nodi come raffigurato in Figura 40

**Add Synchronization Network** [X]

Name:

Network Address:

Net Mask:

Fig.40

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Ottenendo un risultato come in figura seguente

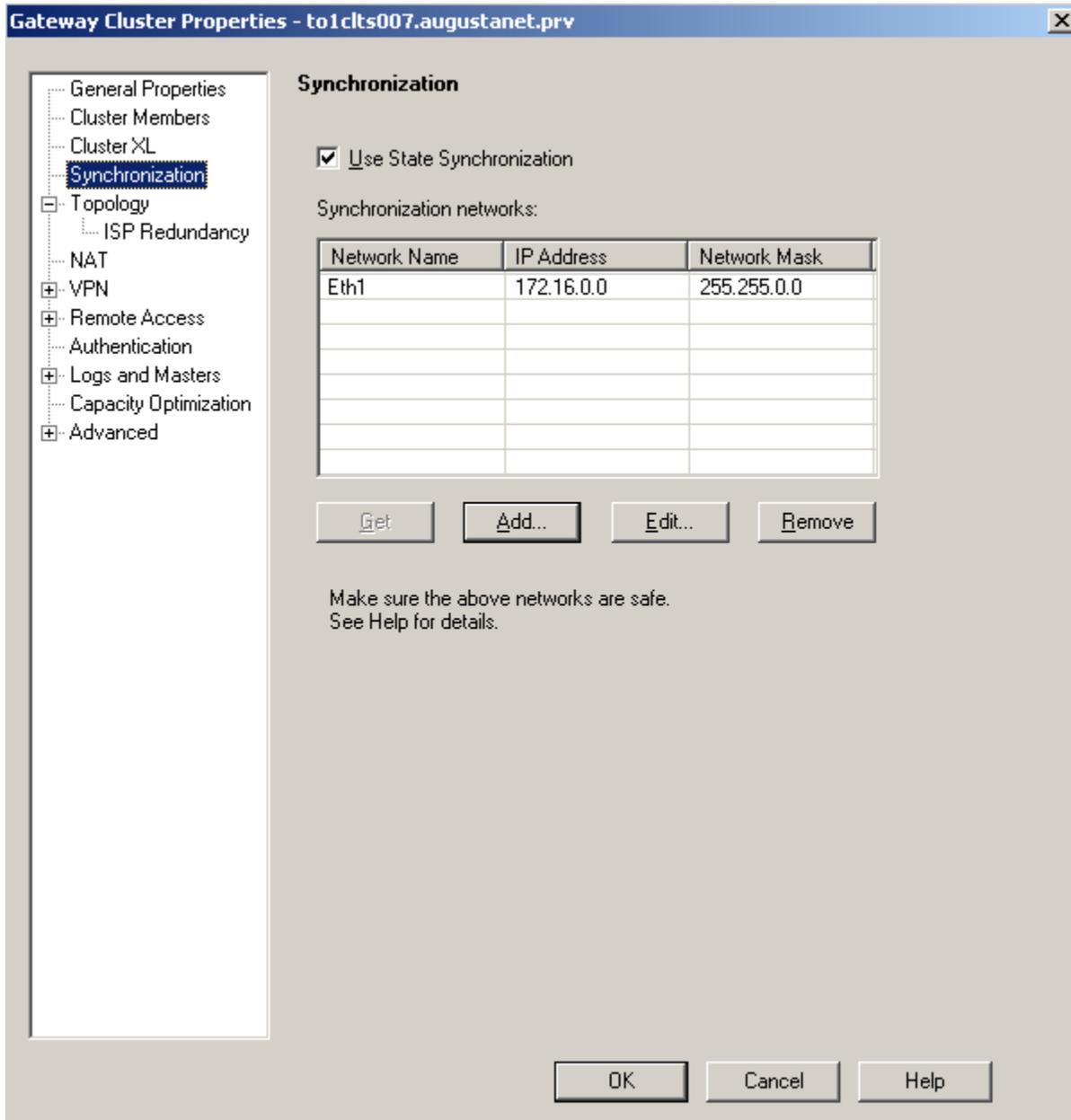


Fig.41

Adesso nella sezione **Topology** aggiungiamo nuovamente le interfacce di rete tranne la SYNC. (Fig 42)

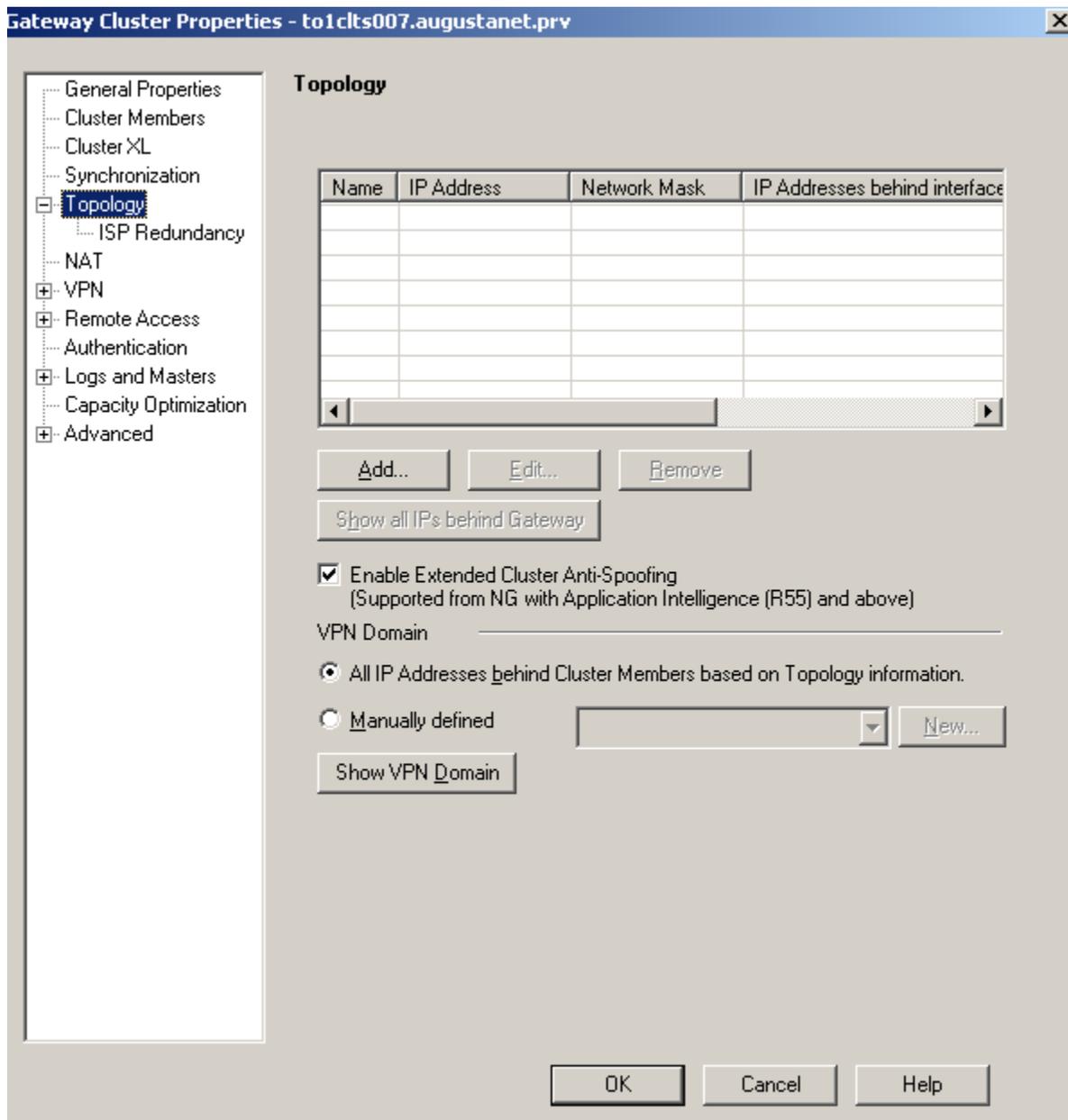
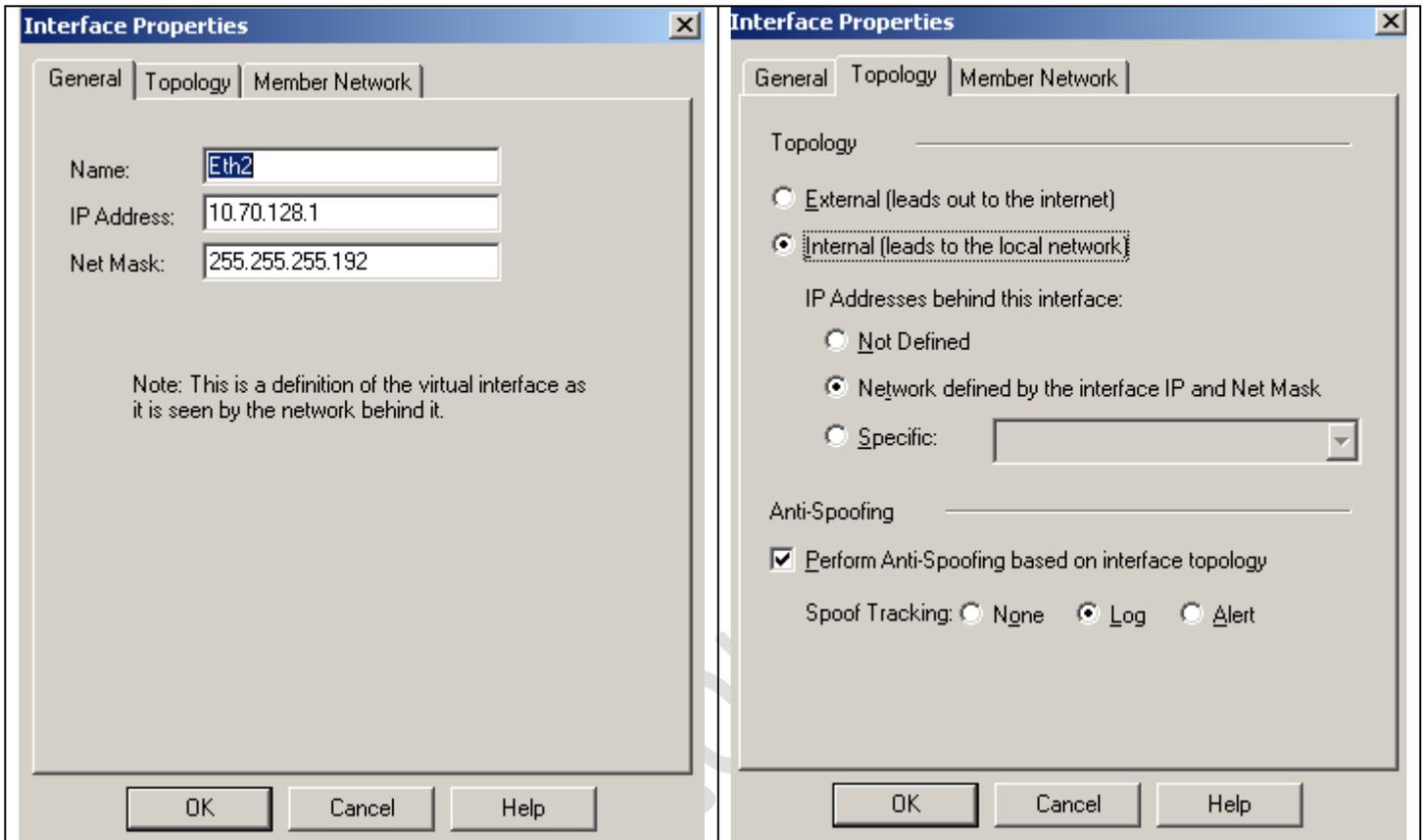


Fig.42



Diseguito saranno riportate le configurazioni delle singole interfacce

Eth2





Interface Properties

General | Topology | Member Network

Network Address: 10.70.128.0

Net Mask: 255.255.255.192

OK Cancel Help

Eth3

Interface Properties

General | Topology | Member Network

Name: Eth3

IP Address: 10.70.128.65

Net Mask: 255.255.255.192

Note: This is a definition of the virtual interface as it is seen by the network behind it.

OK Cancel Help

Interface Properties

General | Topology | Member Network

Topology

External (leads out to the internet)

Internal (leads to the local network)

IP Addresses behind this interface:

Not Defined

Network defined by the interface IP and Net Mask

Specific: [ ]

Anti-Spoofing

Perform Anti-Spoofing based on interface topology

Spoof Tracking:  None  Log  Alert

OK Cancel Help



**Interface Properties**

General | Topology | Member Network

Network Address: 10.70.128.64

Net Mask: 255.255.255.192

OK Cancel Help

Eth4

**Interface Properties**

General | Topology | Member Network

Name: Eth4

IP Address: 10.70.0.7

Net Mask: 255.255.252.0

Note: This is a definition of the virtual interface as it is seen by the network behind it.

OK Cancel Help

**Interface Properties**

General | Topology | Member Network

Topology

External (leads out to the internet)

Internal (leads to the local network)

IP Addresses behind this interface:

Not Defined

Network defined by the interface IP and Net Mask

Specific: [ ]

Anti-Spoofing

Perform Anti-Spoofing based on interface topology

Spoof Tracking:  None  Log  Alert

OK Cancel Help



**Interface Properties** [X]

General | Topology | Member Network

Network Address:

Net Mask:

OK Cancel Help

Eth5

**Interface Properties** [X]

General | Topology | Member Network

Name:

IP Address:

Net Mask:

Note: This is a definition of the virtual interface as it is seen by the network behind it.

OK Cancel Help

**Interface Properties** [X]

General | Topology | Member Network

Topology \_\_\_\_\_

External (leads out to the internet)

Internal (leads to the local network)

IP Addresses behind this interface:

Not Defined

Network defined by the interface IP and Net Mask

Specific:

Anti-Spoofing \_\_\_\_\_

Perform Anti-Spoofing based on interface topology

Spoof Tracking:  None  Log  Alert

OK Cancel Help



**Interface Properties**

General | Topology | Member Network

Network Address: 194.185.203.80

Net Mask: 255.255.255.248

OK Cancel Help

Eth6

**Interface Properties**

General | Topology | Member Network

Name: Eth6

IP Address: 10.70.128.193

Net Mask: 255.255.255.192

Note: This is a definition of the virtual interface as it is seen by the network behind it.

OK Cancel Help

**Interface Properties**

General | Topology | Member Network

Topology

External (leads out to the internet)

Internal (leads to the local network)

IP Addresses behind this interface:

Not Defined

Network defined by the interface IP and Net Mask

Specific: [Dropdown]

Anti-Spoofing

Perform Anti-Spoofing based on interface topology

Spoof Tracking:  None  Log  Alert

OK Cancel Help



Interface Properties

General | Topology | Member Network

Network Address: 10.70.128.192

Net Mask: 255.255.255.192

OK Cancel Help

Eth7

Interface Properties

General | Topology | Member Network

Name: Eth7

IP Address: 10.70.128.129

Net Mask: 255.255.255.192

Note: This is a definition of the virtual interface as it is seen by the network behind it.

OK Cancel Help

Interface Properties

General | Topology | Member Network

Topology

External (leads out to the internet)

Internal (leads to the local network)

IP Addresses behind this interface:

Not Defined

Network defined by the interface IP and Net Mask

Specific: [dropdown]

Anti-Spoofing

Perform Anti-Spoofing based on interface topology

Spoof Tracking:  None  Log  Alert

OK Cancel Help



Interface Properties

General | Topology | Member Network

Network Address: 10.70.128.128

Net Mask: 255.255.255.192

OK Cancel Help

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Dovremmo ottenere un risultato come raffigurato in Figura 43

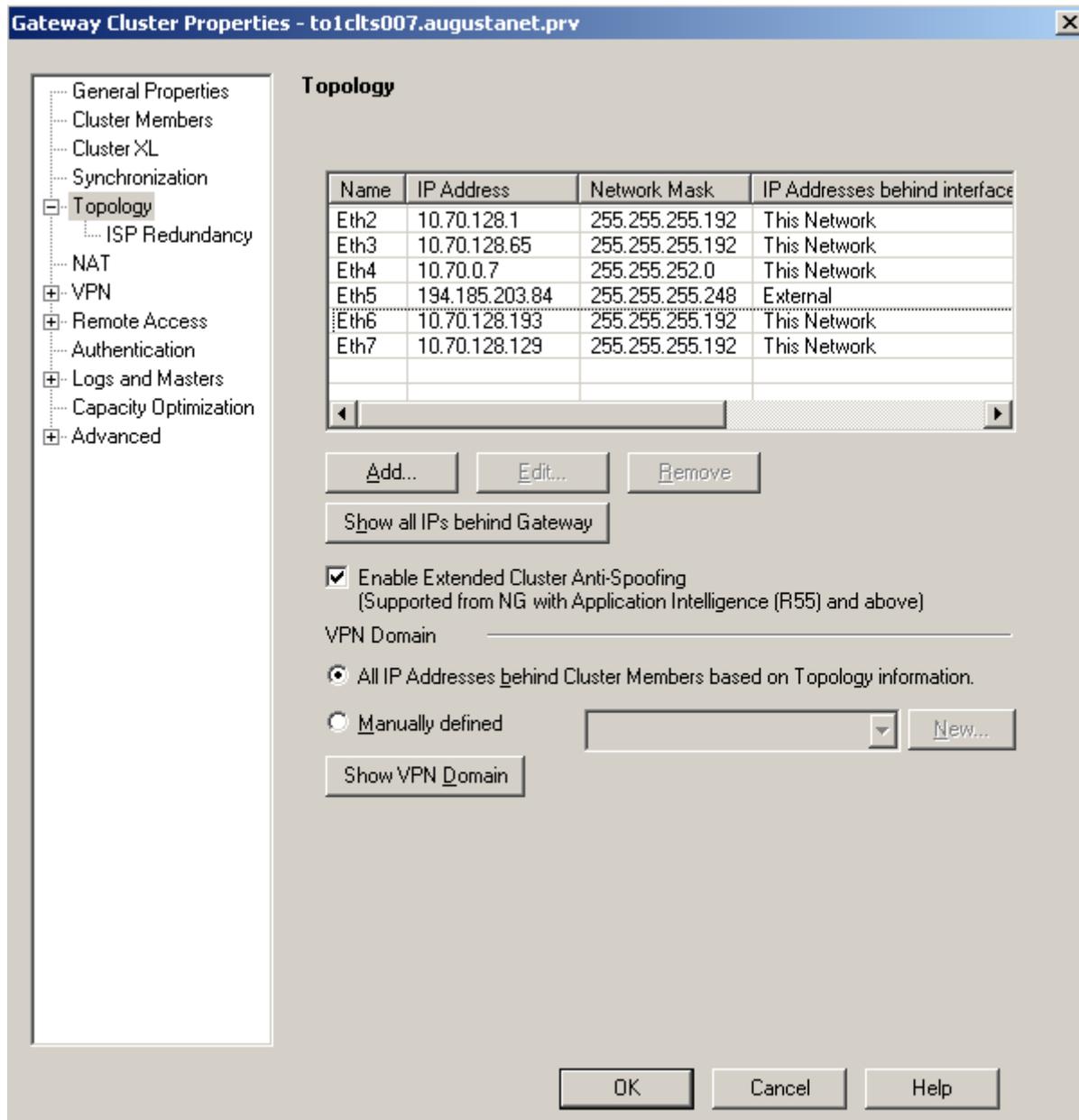


Fig.43

Adesso andare all'interno della Configurazione dei due nodi e impostiamo il SIC.

Adesso andiamo in **Policy** quindi **Global Properties**.

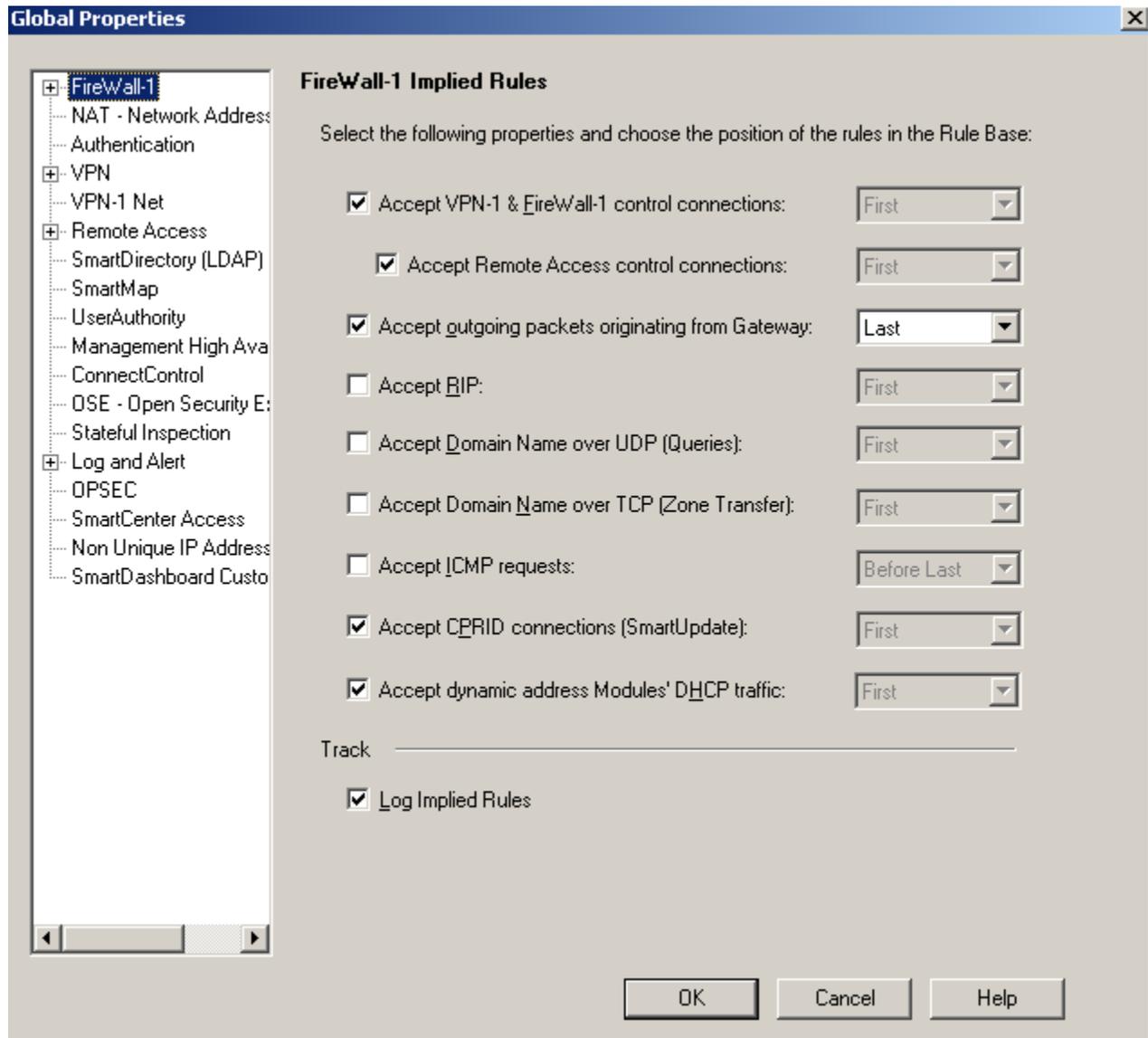


Fig.44

Settiamo tutto come mostrato in Figura 44.



Per quanto riguarda **Smart Directory LDAP** settiamo tutto come in Figura 45

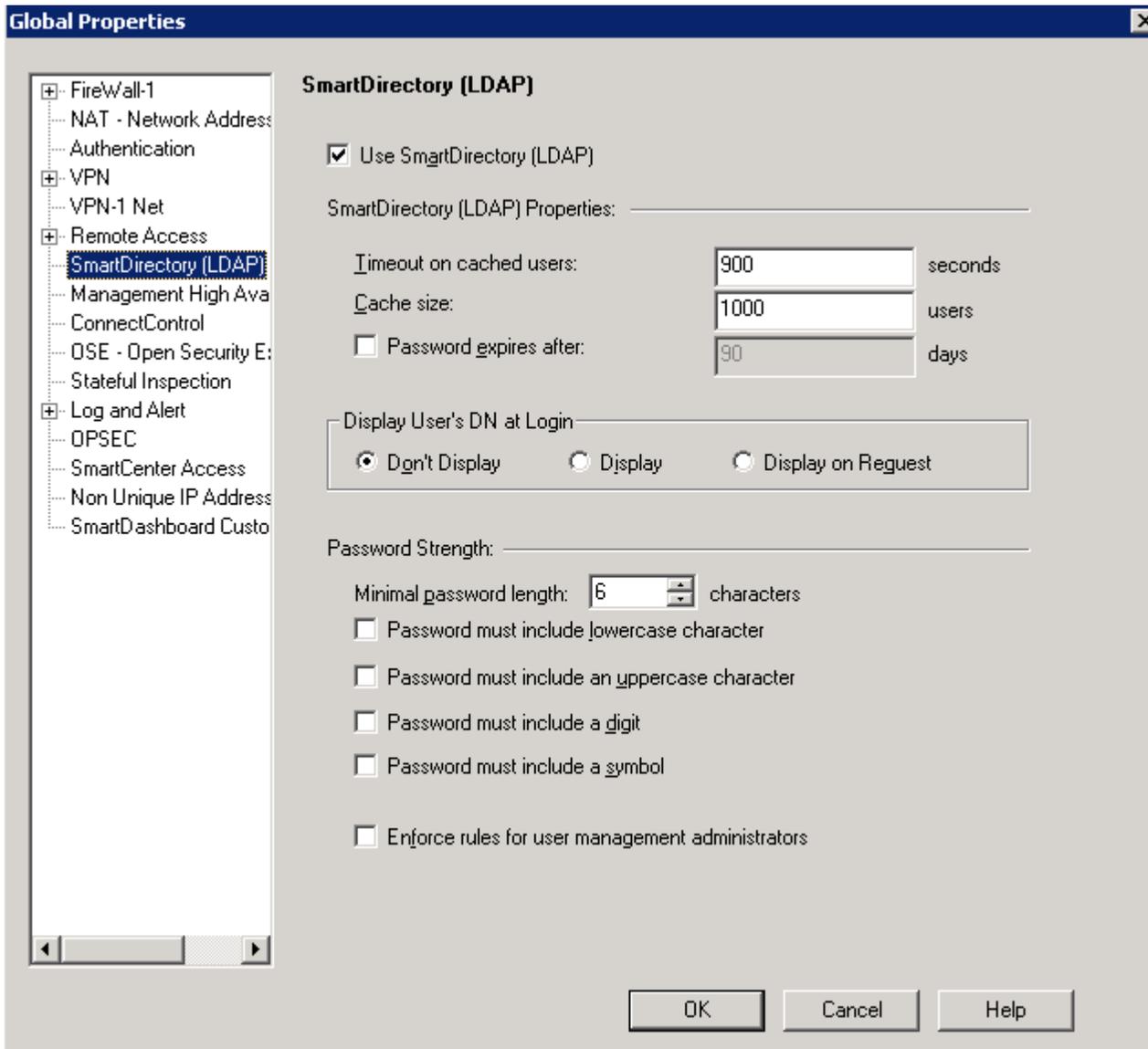
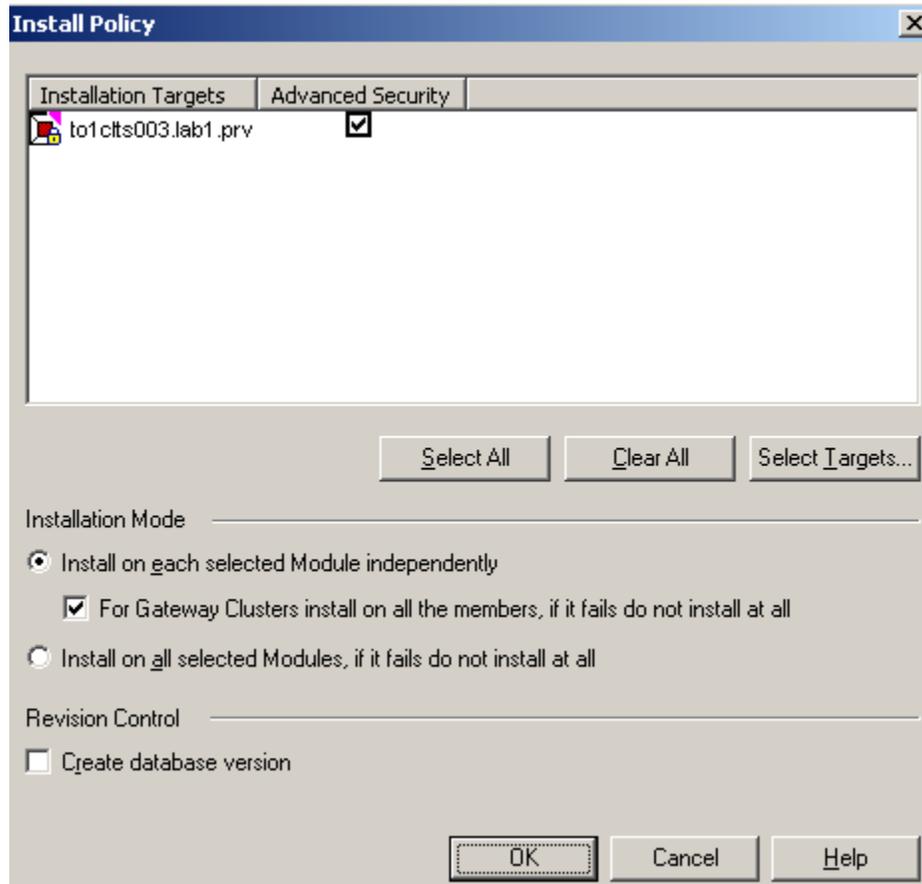


Fig.45

**Fig.46**

Effettuati tutti i settaggi bisogna installare le Policy su entrambe i nodi del cluster  
Clicchiamo su **OK** e attendiamo la fine dell'installazione.



Se tutto è andato bene dovrebbe uscire una schermata come quella di seguito

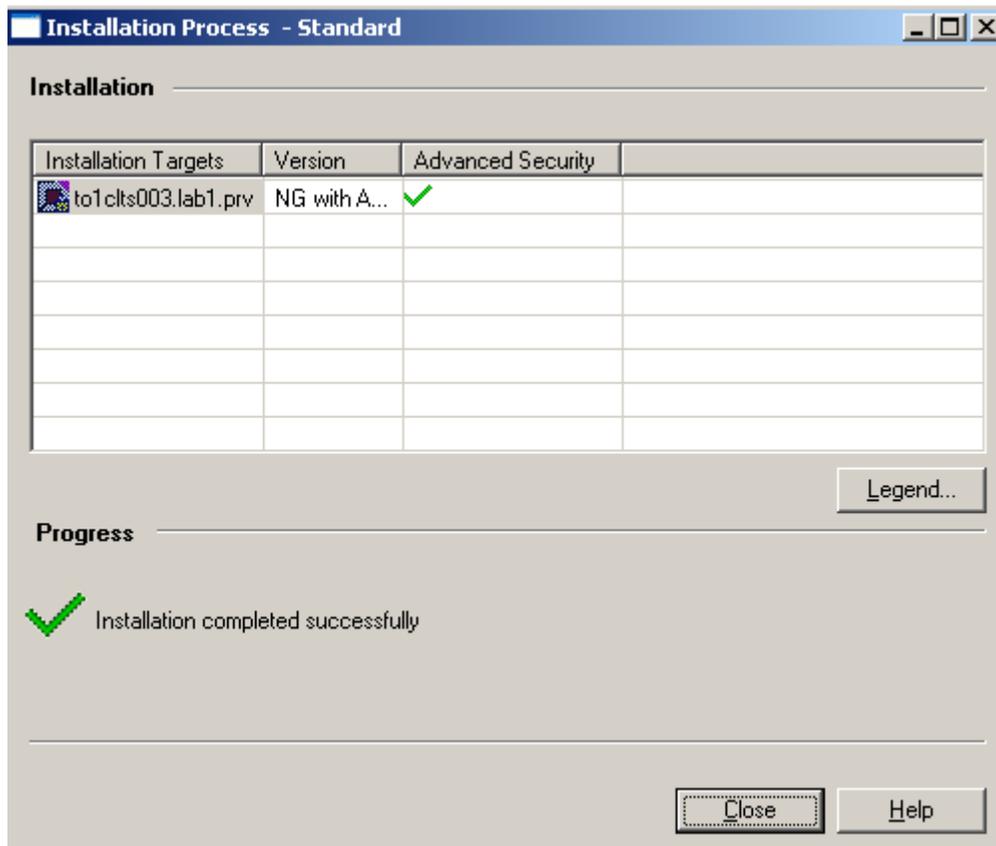


Fig.47

Cliccare su **Close** per uscire.



Adesso da **Start**, **Programmi**, **Check Point SmartConsole R55** selezioniamo l'utility **SmartView Status**  
Ci chiederà di fare di nuovo l'autenticazione per poi arrivare alla seguente schermata

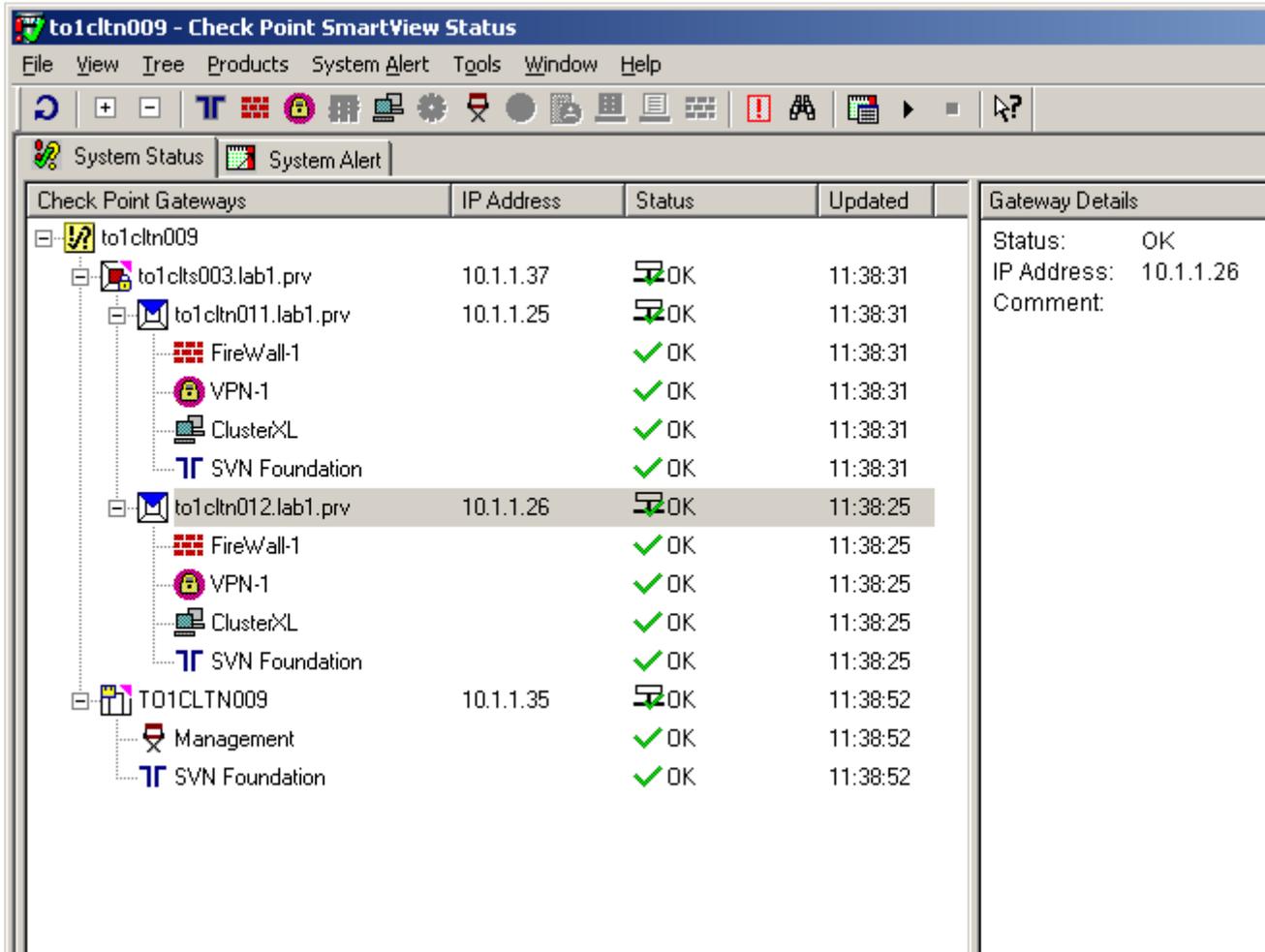


Fig.48

Se non c'è nessun problema dovrebbe essere tutto verde con gli **OK** di fianco.