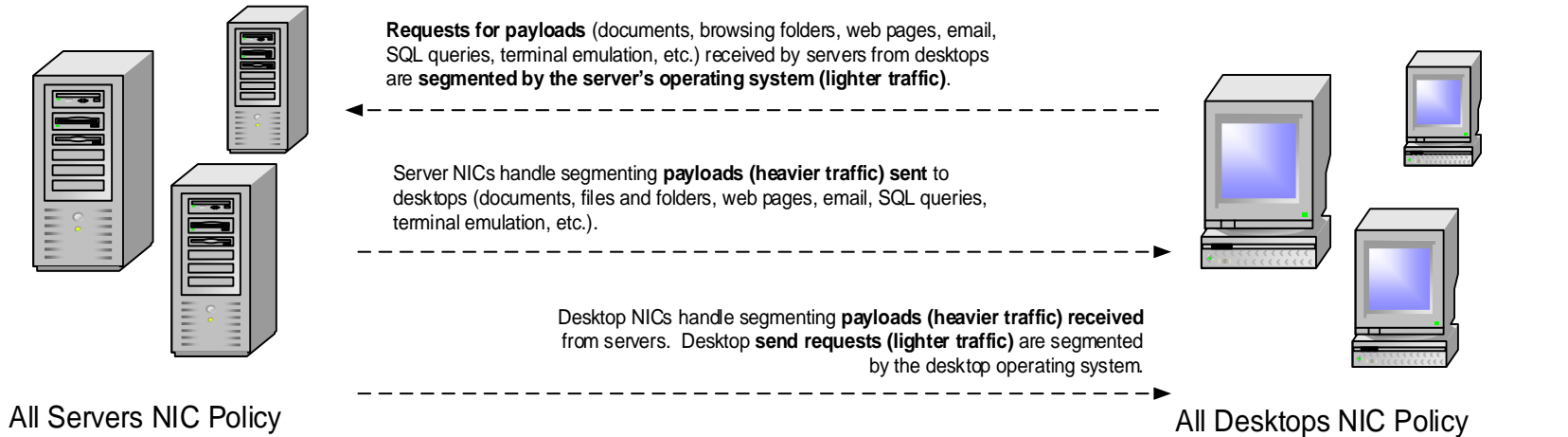


NIC CONFIGURATOR 2018

(Maximizing Network Traffic Flow Between Servers and Desktops through NIC Policies)
(Reducing Operating System / CPU Load)



NIC Policy Contents:

ARP Offload: Enabled
Energy Efficient Ethernet: Disabled
Green Ethernet: Disabled
NS Offload: Enabled
Flow Control: Enabled
Interrupt Moderation: Enabled
IPv4 Checksum Offload: TxEnabled
Large Send Offload v2 (IPv4): Enabled
Large Send Offload v2 (IPv6): Enabled
Priority & VLAN: Priority & VLAN Enabled
Receive Side Scaling: Enabled
Shutdown Wake-On-Lan: Disabled
Speed and Duplex: Auto Negotiation
TCP Checksum Offload (IPv4): TxEnabled
TCP Checksum Offload (IPv6): TxEnabled
UDP Checksum Offload (IPv4): TxEnabled
UDP Checksum Offload (IPv6): TxEnabled
Wake on Magic Packet: Disabled
Wake on pattern match: Disabled
WOL & Shutdown Link Speed: 100 Mbps First



NIC Policy Contents:

ARP Offload: Enabled
Energy Efficient Ethernet: Enabled
Green Ethernet: Enabled
NS Offload: Enabled
Flow Control: Enabled
Interrupt Moderation: Enabled
IPv4 Checksum Offload: RxEnabled
Large Send Offload v2 (IPv4): Disabled
Large Send Offload v2 (IPv6): Disabled
Priority & VLAN: Priority & VLAN Enabled
Receive Side Scaling: Enabled
Shutdown Wake-On-Lan: Enabled
Speed and Duplex: Auto Negotiation
TCP Checksum Offload (IPv4): RxEnabled
TCP Checksum Offload (IPv6): RxEnabled
UDP Checksum Offload (IPv4): RxEnabled
UDP Checksum Offload (IPv6): RxEnabled
Wake on Magic Packet: Enabled
Wake on pattern match: Enabled
WOL & Shutdown Link Speed: 100 Mbps First

NOTE: NIC Configurator 2018 clients can maintain NIC policy settings automatically and notifies via Text and e-Mail if settings become non-compliant.

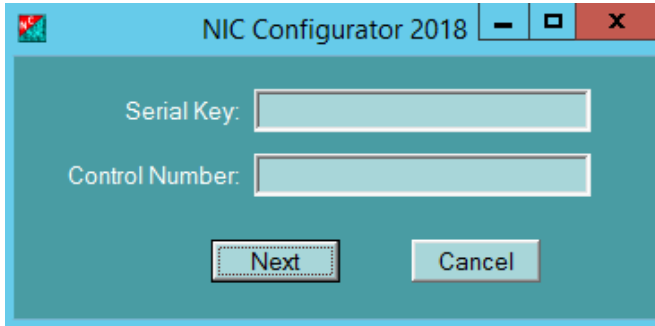


NIC Configurator 2018 Installation & Usage

Installation

To install NIC Configurator 2018, simply login to your computer as a domain administrator and then run the NICConfigurator2018.exe program that you downloaded or run NICConfigurator2018.exe from the CD you purchased.

When prompted, type in your serial key and control number that came with your CD purchase. These codes were also sent to you via e-mail after your online purchase. Follow the instructions on-screen



while the installation program installs into your default system programs directory. The setup program will install a NIC Configurator 2018 icon on your desktop toward the end of installation.

Before using NIC Configurator 2018, please follow the instructions below to allow NIC Configurator 2018 to find computers on

your domains, install the NIC Configurator 2018 client, and to modify client network adapters based on your NIC Policy contents.

To begin, modify the Startup Type to Automatic for the Remote Registry service, enable Remote Administration service, and allow ICMP exceptions. This should be done for all computers by modifying Active Directory Group Policy at the domain organizational level. The following are instructions on how to perform this task on a Windows Server 2012 and Windows Server 2008 domain.

Instructions for Windows Server 2012 / 2008 domains (Group Policy Management Editor)

1. In Group Policy Management, expand the following: Forest container > Domains container > Group Policy Objects container
2. Create a new group policy object called "NIC Configurator 2018"
3. Edit the NIC Configurator 2018 group policy object and expand the following: Computer Configuration > Policies > Windows Settings > Security Settings
4. Select the System Services folder
5. In the right window pane **double click Remote Registry** and put a check in the "Define this policy settings" checkbox
6. Select Automatic for the startup mode and click OK
7. Expand the following: Computer Configuration > Administrative Templates > Network > Network Connections > Windows Firewall
8. Select Domain Profile
9. In the right window pane, underneath Setting, double-click "Windows Firewall: Allow inbound remote administration exception"
10. Click the enable button and inside the "Allow unsolicited incoming messages from" box, enter the IP Address of the computer where NIC Configurator 2018 has been installed.
11. Click OK and then double-click "Windows Firewall: Allow ICMP exceptions"
12. Click "Enabled" and then make sure the "Allow inbound echo request" checkbox is checked

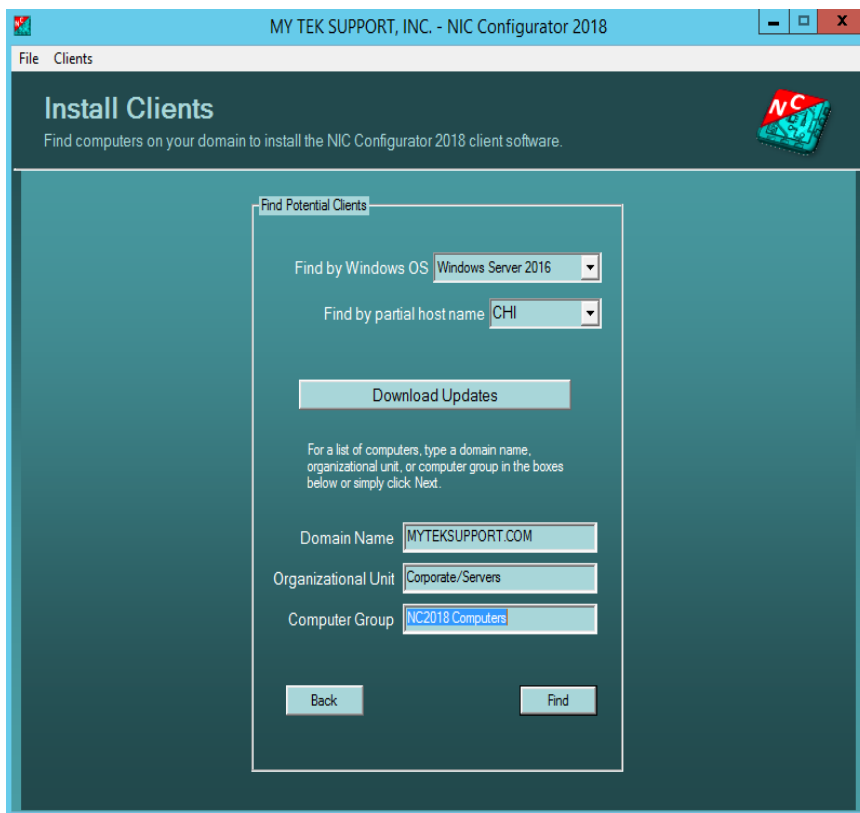
13. Click OK and then exit out of the Group Policy Management Editor
14. Link the NIC Configurator 2018 group policy object to the domain or to the appropriate organizational unit and enable the policy
15. Exit out of Group Policy Management

Even though Group Policy has been configured to set the Remote Registry service for your domain computers to Automatic, some computers affected by this change may not have those services started until they have been rebooted.

Using NIC Configurator 2018

When using NIC Configurator 2018, login to your computer as domain\administrator or login as a user with domain admin rights for the local domain.

- **Example:** For the domain “VEGAS”, login to your computer as VEGAS\Administrator, and then run the NIC Configurator 2018 program icon on your desktop.



Client Installation

First you must find Active Directory computers to install the NIC Configurator 2018 client. From the opening dialog box, click Clients > Install from the menu bar. The Install Clients dialog box pictured to the left will appear on your screen:

Optionally, type your Domain Name, Organizational Unit, or Computer Group in the format as listed in the example below:

- **Domain:** MYTEKSUPPORT.COM
- **Organizational Unit:** Corporate/Servers
- **Computer Group:** NC2018 Computers

NIC Configurator 2018 works across firewalls, multiple domains, and multiple forests, as long as the appropriate trusts and permissions are in place, and your firewall ports are configured as displayed in this documentation.

To display a smaller group of computers or a single computer, type the first few characters of the computer name or the full computer name in the host name filter box. For example, to display only active directory computers that begin with the letters "chi", such as "chi-mx-01" and "chi-dba-01", type "chi" in this box and then click Next.

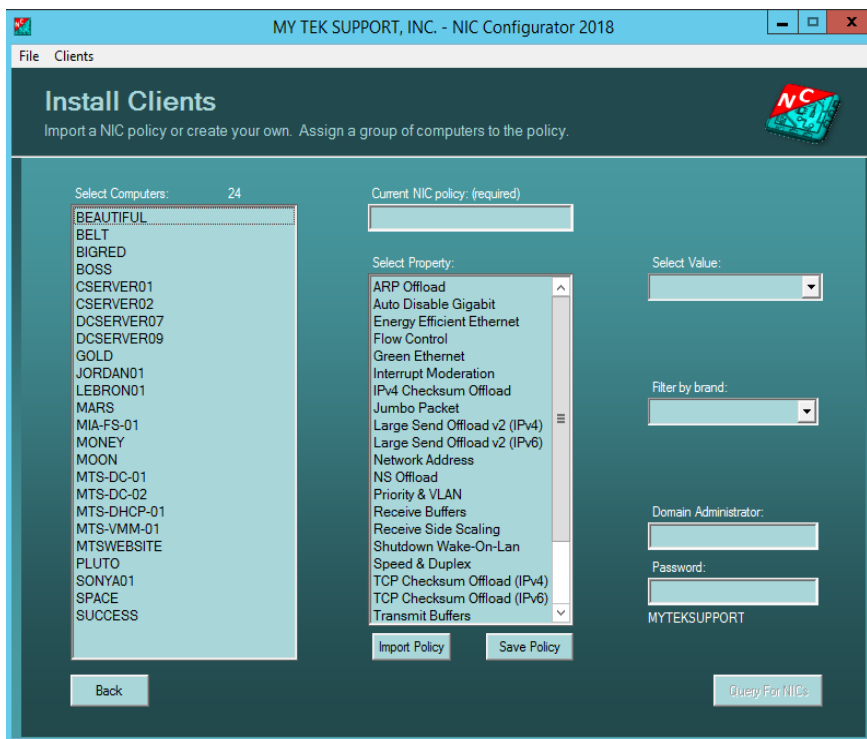
Select the dropdown for a list of Windows operating systems to choose from. Filtering by Operating System will only display computers hosting the selected Windows operating system.

To only list members of a particular computer group, fill in the Domain Name entry box, clear the Organizational Unit entry box and type a group name in the Computer Group box, and then click Next.

To only list members of a computer group that reside within a specific Organizational Unit, fill in the Organizational Unit and the Computer Group name entry boxes.

Click Next to continue Client Installation.

Import a NIC Policy or create your own. Assign a group of computers to the policy.

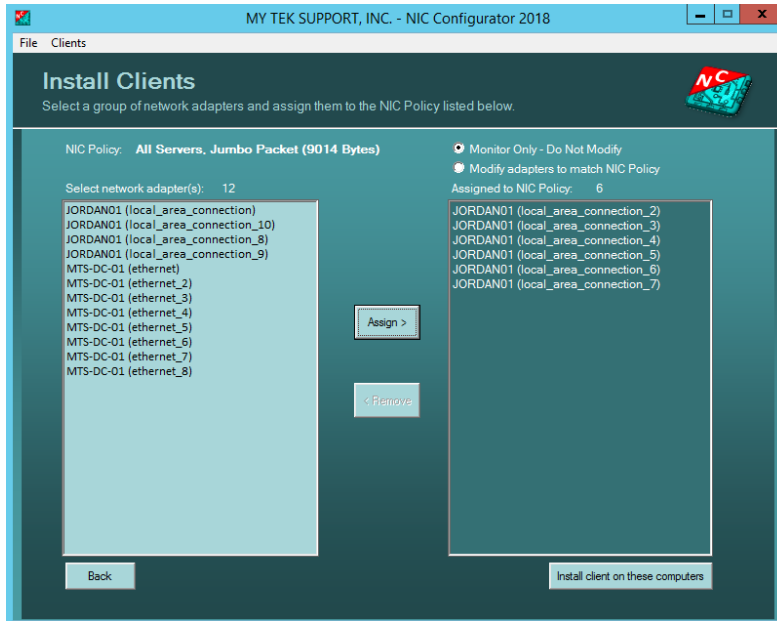


Import a NIC policy to continue to the next dialog box. You can import an existing NIC policy or you can configure network adapter advanced settings and save those settings as a new NIC policy, go back into Import Policy and import the policy you just saved.

To save a NIC Policy, select a NIC Property and configure a value for that property. Do this for each property you wish to add to your new NIC policy and then click the Save Policy button. Clicking the Save Policy button

displays the NIC Configurator 2018 - Save Policy dialog box. This dialog box allows you to view the contents of your new NIC Policy before you give it a name and save it. At the "Save NIC policy as:" edit box, type in a name for your policy and then click Save. If you wish to use this policy click the Import Policy button, select your new policy from the dropdown box, and then click Import. You can now select computers so that NIC Configurator 2018 can find network adapters and give you the option of assigning selected network adapters to the policy you just imported. Type in your domain administrator username and password, then click the Query for NICs button.

Select a group of network adapters and assign them to the imported NIC Policy



Here, you can select specific network adapters and assign them to the NIC Policy listed on this dialog box. You can also choose to have NIC Configurator 2018 self-manage these adapters performance settings by selecting “Modify adapters to match NIC Policy”.

Once you've assigned network adapters to the Imported NIC policy you can click the “Install client on these computers” button. Client installation will begin on the selected computers and your NIC policy assignments will be set.

Once installation has been completed, the NIC Configurator 2018 opening dialog box appears. You can now view NIC Compliance Monitor by clicking the Clients > Monitor > NIC Compliance menu items.

Firewall Service Ports

If there is a firewall between NIC Configurator 2018 and the computers managed by NIC Configurator 2018 (clients), the below ports must be opened on the firewall. NIC Configurator 2018 uses the below service ports to connect to computers in your network.

SOURCE	DESTINATION	PORT	PROTOCOL
NIC Configurator 2018 Console Computer	DNS Server	53	UDP
	DNS Server	53	TCP
	Domain Controller	88	TCP
	Domain Controller	123	UDP
	Domain Controller	135	TCP
	Domain Controller	389	UDP
	Domain Controller	389	TCP
	Domain Controller	445	TCP
	Domain Controller	1025	TCP
	NIC Configurator 2018 Clients	135	TCP
	NIC Configurator 2018 Clients	445	TCP
	Subnet Broadcast Address	137	UDP

NIC Configurator 2018 Updates

Updates for NIC Configurator 2018 are available via the “Updates” button on the opening dialog box. Simply click this button and then allow the following:

For the Purchased version, allow the following to run:

<http://www.myteksupport.com/nicconfigurator/nc18updates.exe>

Comments and Feedback

Please send all comments and feedback to the following email address: support@myteksupport.com.

Operating Systems

NIC Configurator 2018 can be installed on and can change network adapter settings on computers using the following operating systems:

- Windows Server 2016, Windows Server 2012, Windows Server 2008, Windows 10, Windows 8, Windows 7.

This product is for Windows enterprise environments where computers are part of an Active Directory forest/domain. NIC Configurator 2018 will only work on computers that are part of a Windows Active Directory domain.