

# Netsh commands for AAAA

Updated: January 21, 2005

## Netsh commands for AAAA

You can use commands in the Netsh AAAA context to show and set the configuration of the authentication, authorization, accounting, and auditing (AAAA) database used by the Internet Authentication Service (IAS) and the Routing and Remote Access service. The AAAA database is also known as the IAS database (Ias.mdb). The primary use of commands in the Netsh AAAA context is to:

- Export the configuration of one IAS server, including registry keys and the IAS database (ias.mdb), as a Netsh script using either the **dump** command or one of the **show** commands.
- Import the configuration to another IAS server using the **netsh exec** command, and a Netsh script that contains the **set config** command.

You can run these commands from the Windows ServerB 2003 family command prompt or from the command prompt for the Netsh AAAA context. For these commands to work at the Windows ServerB 2003 family command prompt, you must type **netsh aaa** before typing commands and parameters as they appear in the syntax below. There might be functional differences between Netsh context commands on WindowsB 2000 and the Windows ServerB 2003 family.

For more information on Netsh, see [Netsh overview](http://technet.microsoft.com/en-us/library/61427fbd-de1f-4c8a-b613-321f7a3cca6a) [ http://technet.microsoft.com/en-us/library/61427fbd-de1f-4c8a-b613-321f7a3cca6a ] and [Enter a netsh context](http://technet.microsoft.com/en-us/library/d9b4eed7-f79b-4daf-8c22-ffd9428ddea5) [ http://technet.microsoft.com/en-us/library/d9b4eed7-f79b-4daf-8c22-ffd9428ddea5 ] .

## Netsh AAAA command reference

- [dump](#)
- [set config](#)
- [show clients](#)
- [show config](#)
- [show connection\\_request\\_policies](#)
- [show logging](#)
- [show remote\\_access\\_policies](#)
- [show server\\_settings](#)
- [show version](#)

### dump

Displays the configuration of the IAS database file (Ias.mdb) as a Netsh command script.

### Syntax

#### dump

### Remarks

- The **dump** command displays the Netsh command script that you can use to duplicate the configuration of the server running IAS or the Routing and Remote Access service on which the command is executed. The Netsh command script contains the configuration of the IAS server, including the registry keys and database file (Ias.mdb), in a compressed text format as a large data block. This large data block is used by the **set config** command within the script to import the configuration of a saved data block into an existing IAS database on the same or another computer using the **netsh exec** command. To save the Netsh command script to a file, type:  
**netsh aaa show config >Path\File.txt**
- The **dump** command is not supported on computers running WindowsB 2000 server.

### set config

Configures the IAS server and IAS database (Ias.mdb) with the registry keys and database imported from the specified data block.

### Syntax

**set config [type={server\_settings | clients | connection\_request\_policies | logging | remote\_access\_policies} blob=DataBlock]**

## Parameters

### **blob=DataBlock**

Required. Specifies the file that contains the configuration of the IAS server, including registry keys and IAS database (Ias.mdb), in a compressed text format as output by the **dump** or **show** commands.

### **type=**

Specifies the kind of data that you want to import from the *DataBlock* to the local server configuration.

### **server\_settings**

Specifies that the server configuration settings are imported from the *DataBlock* to the local server. The imported settings include server Description, system event log settings, registry keys, and ports that are used specifically for the IAS service.

### **clients**

Specifies that the settings for **RADIUS clients**, as viewed in the IAS console, are imported to the local server from *DataBlock*.

### **connection\_request\_policies**

Specifies that the IAS settings for **Connection Request Processing**, including **Connection Request Policies** and **Remote RADIUS server Groups**, are imported to the local server from *DataBlock*.

### **logging**

Specifies that the IAS settings for **Remote Access Logging** are imported to the local server from *DataBlock*.

### **remote\_access\_policies**

Specifies that the IAS settings for **Remote Access Policies** are imported to the local server from *DataBlock*.

## Remarks

- Running the **set config** command manually is not supported. This command is used only within a Netsh command script that is created by using the **dump** or **show** commands.
- To view the version of the IAS database on which the Netsh script is being run, use the **show version** command. Scripts older than those created with Windows ServerB 2003, Standard Edition; Windows ServerB 2003, Enterprise Edition; and Windows ServerB 2003, Datacenter Edition are supported.
- The configuration of IAS servers running on products in the WindowsB 2000 server family can be imported into products in the Windows ServerB 2003 family with **set config**. The reverse, however, is not possible.

## show clients

Displays the RADIUS client list for the local IAS server.

## Syntax

### show clients

## Remarks

- This command dumps the RADIUS client list of the IAS server on which the command is executed. In the IAS console, this client list is displayed in **RADIUS Clients**.
- The Netsh command script contains the local server settings, including registry keys and the IAS database (Ias.mdb), as a large data block in a compressed text format. To import the configuration into an existing IAS server on either the same or another computer, you can use the **netsh exec** command. To save the Netsh command script to a file, type **netsh aaa show clients >Path\File.txt** at a command prompt.
- This command is not available on computers running WindowsB 2000 Server.

## show config

Displays the configuration of the IAS database file (Ias.mdb) as a Netsh command script.

## Syntax

### show config

## Remarks

- The **show config** command is equivalent to the **dump** command.
- The **show config** command displays the Netsh command script that you can use to duplicate the configuration of the server running IAS or the Routing and Remote Access service on which the command is run. The Netsh command script contains the configuration of the IAS server, including registry keys and the IAS database (Ias.mdb), as a large data block in a compressed text format. To import the configuration into an existing IAS server on either the same or another computer, you can use the **netsh exec** command. To save the Netsh command script to a file, type **netsh aaa show config >Path\File.txt** at a command prompt.
- This command is not available on computers running WindowsB 2000 Server.

## show connection\_request\_policies

Displays the Connection Request Processing policies configuration of the IAS server in script format.

### Syntax

## show connection\_request\_policies

### Remarks

- This command displays Connection Request Policies for the IAS server on which the command is run. In the IAS console, these policies are displayed in **Connection Request Processing** and include **Connection Request Policies** and **Remote RADIUS server Groups**.
- The Netsh command script contains the local server settings as a large data block in a compressed text format. To import the configuration into an existing IAS server on either the same or another computer, you can use the **netsh exec** command. To save the Netsh command script to a file, type **netsh aaa show connection\_request\_policies >Path\File.txt** at a command prompt.
- This command is not available on computers running WindowsB 2000 Server.

## show logging

Displays the logging configuration for the local IAS server.

### Syntax

## show logging

### Remarks

- This command displays the Remote Access Logging configuration for the IAS server on which the command is run. In the IAS console, this information is displayed in **Remote Access Logging**.
- The Netsh command script contains the local server settings as a large data block in a compressed text format. To import the configuration into an existing IAS server on either the same or another computer, you can use the **netsh exec** command. To save the Netsh command script to a file, type **netsh aaa show logging >Path\File.txt** at a command prompt.
- This command is not available on computers running WindowsB 2000 Server.

## show remote\_access\_policies

Displays all objects within the remote access policy.

### Syntax

## show remote\_access\_policies

### Remarks

- This command displays the Remote Access Policies for the IAS server on which the command is run. In the IAS console, this information is displayed in **Remote Access Policies**.
- The Netsh command script contains the local server settings as a large data block in a compressed text format. To import the configuration into an existing IAS server on either the same or another computer, you can use the **netsh exec** command. To save the Netsh command script to a file, type **netsh aaa show remote\_access\_policies >Path\File.txt** at a command prompt.
- This command is not available on computers running WindowsB 2000 Server.
- The following registry keys and values are displayed:
  - HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\RasMan\PPP\ControlProtocols\BuiltIn\Default**
  - HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Allow LM Authentication\REG\_DWORD**
  - HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Default User Identity\REG\_SZ**
  - HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\User Identity Attribute\REG\_DWORD**
  - HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Policy\Override User-Name\REG\_DWORD**

## show server\_settings

Displays the configuration of the local IAS server as a Netsh command script.

## Syntax

### show server\_settings

## Remarks

- This command displays the configuration of server settings for the IAS server on which the command is run. These settings include:
  - Server description
  - Settings for accounting and authorization events in the system event log
  - Ports used by the service
  - Registry keys and their values

In the IAS console, this information is displayed in server **Properties**.

- The Netsh command script contains the local server settings as a large data block in a compressed text format. This large data block is used within the script by the **netsh exec** command to import the configuration of a saved data block into an existing IAS server on the same or another computer. To save the Netsh command script to a file, type **netsh aaa show server\_settings >Path\File.txt** at a command prompt.
- This command is not available on computers running WindowsB 2000 Server.
- The following registry keys and values are displayed:
  - HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\IAS\Parameters\Allow SNMP Set\REG\_DWORD**
  - HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Parameters\AccountLockou**
  - HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess\Parameters\AccountLockou**
  - HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\IAS\Parameters\Ping User-Name\REG\_SZ**

### show version

Displays the version of the IAS database.

## Syntax

### show version

## Examples

To display the Netsh command script that shows the IAS database in its current state, type:

### show config

To display the version of the IAS database running on a server, type:

### show version

## Formatting legend

### B

Format	Meaning
<i>Italic</i>	Information that the user must supply
<b>Bold</b>	Elements that the user must type exactly as shown
Ellipsis (...)	Parameter that can be repeated several times in a command line
Between brackets ([ ])	Optional items
Between braces ({}); choices separated by pipe ( ). Example: {even odd}	Set of choices from which the user must choose only one
Courier font	Code or program output

## See Also

### Concepts

[Netsh commands for DHCP](http://technet.microsoft.com/en-us/library/df9ecef3-7d85-49e6-a2aa-ff84a5bd3a39) [ http://technet.microsoft.com/en-us/library/df9ecef3-7d85-49e6-a2aa-ff84a5bd3a39 ]

[Netsh diagnostic \(diag\) commands](http://technet.microsoft.com/en-us/library/036aad0f-36b1-4f69-9c83-7983fb956fd2) [ http://technet.microsoft.com/en-us/library/036aad0f-36b1-4f69-9c83-7983fb956fd2 ]

[Netsh commands for Interface IP](http://technet.microsoft.com/en-us/library/b2c92af5-425a-4c0b-8604-7a8c4ac497e0) [ http://technet.microsoft.com/en-us/library/b2c92af5-425a-4c0b-8604-7a8c4ac497e0 ]

[Netsh commands for remote access \(ras\)](http://technet.microsoft.com/en-us/library/385abd50-e52d-4680-b011-417432c33503) [ http://technet.microsoft.com/en-us/library/385abd50-e52d-4680-b011-417432c33503 ]

[Netsh commands for Routing](http://technet.microsoft.com/en-us/library/327de2ff-75fe-402e-923c-eb5a80373111) [ http://technet.microsoft.com/en-us/library/327de2ff-75fe-402e-923c-eb5a80373111 ]

[Netsh commands for WINS](http://technet.microsoft.com/en-us/library/670bdec4-fe5b-45f5-aeae-4b13021d2006) [ http://technet.microsoft.com/en-us/library/670bdec4-fe5b-45f5-aeae-4b13021d2006 ]

[Command-line reference A-Z](http://technet.microsoft.com/en-us/library/552ed70a-208d-48c4-8da8-2e27b530eac7) [ http://technet.microsoft.com/en-us/library/552ed70a-208d-48c4-8da8-2e27b530eac7 ]

[Command shell overview](http://technet.microsoft.com/en-us/library/44500063-fdaf-4e4f-8dac-476c497a166f) [ http://technet.microsoft.com/en-us/library/44500063-fdaf-4e4f-8dac-476c497a166f ]

---

**Tags:**



## Community Content