

## Windows simple IPsec setup for IPv6

The presentation uses the Windows Firewall with Advance Security to configure a simple IPv6 IPsec network. One system is a Windows 7 system. The other system is Windows 8.0 system. Both machines are on a private IPv6 network.

The primary reference is <http://technet.microsoft.com/en-us/library/cc732283%28v=ws.10%29.aspx>

Preuss  
5/8/2014

Administrator: Command Prompt

```
Link-local IPv6 Address . . . . . : fe80::108b:31cd:3f57:fa7b%12
Default Gateway . . . . . :

Tunnel adapter isatap.{8D27A762-328E-4DCA-A285-BD1D92A73E92}:
```

Console1 - [Console Root]

File Action View Favorites Window Help



- Console Root
- Windows Firewall w
- IP Security Monitor

Name
Windows Firewall with Advanced Security on Local Computer
IP Security Monitor

- Actions
- Console Root
  - More Actions

The presentation begins with Windows 7. The presentation opens Windows Firewall with Advance Security and IP Security Monitor in a mmc. The presentation is open the mmc as a member of the administrators group.

Administrator: Command Prompt

```
Link-local IPv6 Address . . . . . : fe80::108b:31cd:3f57:fa7b%12
Default Gateway . . . . . :

Tunnel adapter isatap.{8D27A762-328E-4DCA-A285-BD1D92A73E92}:
```

Console1 - [Console Root\Windows Firewall with Advanced Security on Local Computer\Connection Security Rules]

File Action View Favorites Window Help

Navigation icons

- Console Root
  - Windows Firewall with Advanced Security
    - Inbound Rules
    - Outbound Rules
    - Connection Security Rules
    - Monitoring
    - IP Security Monitor

Name	Enabled	Endpoint 1	Endpoint 2	Authentication mo
------	---------	------------	------------	-------------------

There are no items to show in this view.

Actions

- Connection Security...
- New Rule...
- Filter by Profile
- Filter by State
- View
- New Window fr...
- Refresh
- Export List...
- Help

- New Rule...
- Filter by Profile
- Filter by State
- View
- New Window from Here
- Refresh
- Export List...
- Help

The presentation selects the New Rule option under Connection Security Rule.

Administrator: Command Prompt

```
Link-local IPv6 Address . . . . . : fe80::108b:31cd:3f57:fa7b%12
```

### New Connection Security Rule Wizard

#### Rule Type

Select the type of connection security rule to create.

#### Steps:

- Rule Type
- Endpoints
- Requirements
- Authentication Method
- Protocol and Ports
- Profile
- Name

What type of connection security rule would you like to create?

- Isolation**  
Restrict connections based on authentication criteria, such as health status.
- Authentication exemption**  
Do not authenticate connections from the specified computers.
- Server-to-server**  
Authenticate connection between the specified computers.
- Tunnel**  
Authenticate connections between gateway computers.
- Custom**  
Custom rule.

Note: Connection security rules specify how and when authentication occurs, but they do not allow connections. To allow a connection, create an inbound or outbound rule.

[Learn more about rule types](#)

< Back

Next >

Cancel

The presentation creates a custom rule.

```
C:\> Administrator: Command Prompt  
Link-local IPv6 Address . . . . . : fe80::108b:31cd:319a:589c%1  
Default Gateway . . . . . : fe80::549c:319a:108b:319a%1
```

The presentation enters the two IP address for this example.

### New Connection Security Rule Wizard

#### Endpoints

Specify the computers between which secured connections will be established using IPsec.

**Steps:**

- Rule Type
- Endpoints**
- Requirements
- Authentication Method
- Protocol and Ports
- Profile
- Name

Create a secured connection between computers in Endpoint 1 and Endpoint 2.

**Which computers are in Endpoint 1?**

Any IP address

These IP addresses:

2001:db8::107

Add... Edit... Remove

Customize the interface types to which this rule applies: Customize...

**Which computers are in Endpoint 2?**

Any IP address

These IP addresses:

2001:db8::108

Add... Edit... Remove

[Learn more about computer endpoints](#)

< Back Next > Cancel

- Filter by Profile
- Filter by State
- View
- New Window fr...
- Refresh
- Export List...
- Help

Administrator: Command Prompt

```
Link-local IPv6 Address . . . . . : fe80::108b:31cd:3f57:fa7b%12
```

### New Connection Security Rule Wizard

#### Requirements

Specify the authentication requirements for connections that match this rule.

#### Steps:

- Rule Type
- Endpoints
- Requirements
- Authentication Method
- Protocol and Ports
- Profile
- Name

When do you want authentication to occur?

- Request authentication for inbound and outbound connections**  
Authenticate whenever possible but authentication is not required.
- Require authentication for inbound connections and request authentication for outbound connections**  
Inbound connections must be authenticated to be allowed. Outbound connections are authenticated whenever possible but authentication is not required.
- Require authentication for inbound and outbound connections**  
Both inbound and outbound connections must be authenticated to be allowed.
- Do not authenticate**  
No connections will be authenticated.

[Learn more about authentication requirements](#)

< Back   Next >   Cancel

#### Actions

- Connection Security...
- New Rule...
- Filter by Profile
- Filter by State
- View
- New Window fr...
- Refresh
- Export List...
- Help

```
Link-local IPv6 Address . . . . . : fe80::108b:31cd:3f57:fa7b%12
```

### New Connection Security Rule Wizard

#### Authentication Method

Specify how authentication is performed for connections that match this rule.

**Steps:**

- Rule Type
- Endpoints
- Requirements
- Authentication Method**
- Protocol and Ports
- Profile
- Name

What authentication method would you like to use?

- Default**  
Use the authentication methods specified in IPsec settings.
- Computer and user (Kerberos V5)**  
Restrict communications to connections from domain-joined users and Provides identity information for authorizing specific users and computer outbound rules.
- Computer (Kerberos V5)**  
Restrict communications to connections from domain-joined computers. Provides identity information for authorizing specific computers in inbound and outbound rules.
- Advanced**  
Specify custom first and second authentication settings.

[Learn more about authentication methods](#)

Buttons: < Back, Next >, Cancel, Customize...

The presentation will use a non-recommended authentication system. The presentation selects a customize under Advance.

- Refresh
- Export List...
- Help

```
Link-local IPv6 Address . . . . . : fe80::108b:31cd:3f57:fa7b%12
```

New Connection Security Rule Wizard

Authentication Method

### Customize Advanced Authentication Methods

First authentication  
Specify computer authentication methods to use during IPsec negotiations. Those higher in the list are tried first.

Second authentication  
Specify user authentication methods during IPsec negotiations.

First authentication methods:

Method	Additional Information
--------	------------------------

Buttons: Add... Edit... Remove

First authentication is optional

Second authentication methods:

Method	Additional Information
--------	------------------------

Buttons: Add... Edit... Remove

Second authentication is optional

A second authentication cannot be specified when a preshared key is in the first authentication methods list.

Learn more about authentication settings  
What are the default values?

OK Cancel

The presentation adds an authentication method under first authentication methods.

< Back Next > Cancel



```
Link-local IPv6 Address . . . . . : fe80::108b:31cd:3f57:fa7b%12
```

The presentation uses a very weak and nonrecommended preshared key.

First authentication

Specify computer authentication negotiations. Those higher in the list are preferred.

First authentication methods:

Method	Action

First authentication is optional

Select the credential to use for first authentication:

Computer (Kerberos V5)

Computer (NTLMv2)

Computer certificate from this certification authority (CA):

    Signing algorithm: RSA (default)

    Certificate store type: Root CA (default)

Accept only health certificates

Enable certificate to account mapping

Preshared key (not recommended):

Preshared key authentication is less secure than other authentication methods. Preshared keys are stored in plaintext. When preshared key authentication is used, Second Authentication cannot be used.

[Learn more about the first authentication method](#)

New Window from...

specified when a preshared key is used.

Administrator: Command Prompt

```
Link-local IPv6 Address . . . . . : fe80::108b:31cd:3f57:fa7b%12
```

New Connection Security Rule Wizard

Authentication Method

Customize Advanced Authentication Methods

First authentication  
Specify computer authentication methods to use during IPsec negotiations. Those higher in the list are tried first.

First authentication methods:

Method	Additional Information
Preshared key	Password01

Add... Edit... Remove

First authentication is optional

Second authentication  
Specify user authentication methods to use during IPsec negotiations. Those higher in the list are tried first.

Second authentication methods:

Method	Additional Information
--------	------------------------

Add... Edit... Remove

Second authentication is optional

A second authentication cannot be specified when a preshared key is in the first authentication methods list.

The presentation checks the authentication methods.

[Learn more about authentication settings](#)  
[What are the default values?](#)

OK Cancel

< Back Next > Cancel

Administrator: Command Prompt

```
Link-local IPv6 Address . . . . . : fe80::108b:31cd:3f57:fa7b%12
```


### New Connection Security Rule Wizard

#### Protocol and Ports

Specify the protocol and ports to which this rule applies.

- Steps:**
- Rule Type
  - Endpoints
  - Requirements
  - Authentication Method
  - Protocol and Ports**
  - Profile
  - Name

To which ports and protocols does this rule apply?

 Protocol type:

Protocol number:

Endpoint 1 port:

Example: 80, 445, 5000-5010

Endpoint 2 port:

Example: 80, 445, 5000-5010

[Learn more about protocol and ports](#)

< Back   Next >   Cancel

#### Actions

- Connection Security...
- New Rule...
- Filter by Profile
- Filter by State
- View
- New Window fr...
- Refresh
- Export List...
- Help

```
Link-local IPv6 Address . . . . . : fe80::108b:31cd:3f57:fa7b%12
```

### New Connection Security Rule Wizard

Specify the profiles for which this rule applies.

**Steps:**

- Rule Type
- Endpoints
- Requirements
- Authentication Method
- Protocol and Ports
- Profile**
- Name

When does this rule apply?

- Domain**  
Applies when a computer is connected to its corporate domain.
- Private**  
Applies when a computer is connected to a private network location.
- Public**  
Applies when a computer is connected to a public network location.

[Learn more about profiles](#)

< Back   Next >   Cancel

Console window content

- Connection Security...
- New Rule...
- Filter by Profile
- Filter by State
- View
- New Window fr...
- Refresh
- Export List...
- Help

Administrator: Command Prompt

```
Link-local IPv6 Address . . . . . : fe80::108b:31cd:3f57:fa7b%12
```

New Connection Security Rule Wizard

**Name**

Specify the name and description of this rule.

**Steps:**

- Rule Type
- Endpoints
- Requirements
- Authentication Method
- Protocol and Ports
- Profile
- Name

Name:

Windows 7

Description (optional):

Windows 7 IPv6 IPsec test setup

The presentation adds a name and description for the rule.

< Back

Finish

Cancel

- Refresh
- Export List...
- Help

```
Administrator: Command Prompt
Link-local IPv6 Address . . . . . : fe80::108b:31cd:3f57:fa7b%12
Default Gateway . . . . . :

Tunnel adapter isatap.{8D27A762-328E-4DCA-A285-BD1D92A73E92}:
```

Console1 - [Console Root\Windows Firewall with Advanced Security on Local Computer\Connection Security Rules]

Name	E...	Endpoint 1	Endpoint 2	Authentication mode	Authe...	Endpoint 1 port	Endpoint 2 port	Actions
Windows 7	Yes	2001:db8::107	2001:db8::108	Require inbound and outbound	Custom	Any	Any	Connection Security... New Rule... Filter by Profile Filter by State View New Window fr... Refresh Export List... Help

The presentation verifies the rule is ready. The presentation is happy with the report.

## Administrator: Command Prompt

Ethernet adapter Ethernet:

```
Connection-specific DNS Suffix . : localdomain
IPv6 Address . . . . . : 2001:db8::108
Link-local IPv6 Address . . . . . : fe80::1d08:a2d0:b94c:d561%12
```

## Console1 - [Console Root]

File Action View Favorites Window Help



Console Root

- Windows Firewall w
- IP Security Monitor

Name
Windows Firewall with Advanced Security on Local Computer
IP Security Monitor

Actions

Console Root

More Actions

The presentation is now working on Windows 8.0. The presentation opens Windows Firewall with Advance Security and IP Security Monitor in a mmc. The presentation is open the mmc as a member of the administrators group.



ENG

1:44 PM

5/8/2014

Administrator: Command Prompt

Ethernet adapter Ethernet:

Connection-specific DNS Suffix : : localdomain  
IPv6 Address : : : : 2001:db8::108  
Link-local IPv6 Address : : : : : fe80::1d08:a2d0:b94c:d561%12

Console1 - [Console Root\Windows Firewall with Advanced Security on Local Computer\Connection Security Rules]

File Action View Favorites Window Help



- Console Root
  - Windows Firewall with Advanced Security
    - Inbound Rules
    - Outbound Rules
    - Connection Security Rules
    - Monitoring
    - IP Security Monitor

Name	Enabled	Endpoint 1	Endpoint 2	Authentication
There are no items to show in this view.				

There are no items to show in this view.

Actions

Connection Sec...

- New Rule...
- Filter by Profile
- Filter by State
- View
- New Window fr...
- Refresh
- Export List...
- Help

- New Rule...
- Filter by Profile
- Filter by State
- View
- New Window from Here
- Refresh
- Export List...
- Help

The presentation selects the New Rule option under Connection Security Rule.

Contains commands for customizing this window.



Administrator: Command Prompt

Ethernet adapter Ethernet:

New Connection Security Rule Wizard

Rule Type

Select the type of connection security rule to create.

Steps:

- Rule Type
- Endpoints
- Requirements
- Authentication Method
- Protocol and Ports
- Profile
- Name

What type of connection security rule would you like to create?

- Isolation**  
Restrict connections based on authentication criteria, such as do health status.
- Authentication exemption**  
Do not authenticate connections from the specified computers.
- Server-to-server**  
Authenticate connection between the specified computers.
- Tunnel**  
Authenticate connections between two computers.
- Custom**  
Custom rule.

Note: Connection security rules specify how and when authentication occurs, but they do not allow connections. To allow a connection, create an inbound or outbound rule.

< Back   Next >   Cancel

The presentation creates a custom rule.

Administrator: Command Prompt

Ethernet adapter Ethernet:

New Connection Security Rule Wizard

Endpoints

Specify the computers between which secured connections will be established using IPsec.

Steps:

- Rule Type
- Endpoints
- Requirements
- Authentication Method
- Protocol and Ports
- Profile
- Name

Create a secured connection between computers in Endpoint 1 and Endpoint 2.

Which computers are in Endpoint 1?

- Any IP address
- These IP addresses:

2001:db8::108

Customize the interface types to which this rule applies:

Which computers are in Endpoint 2?

- Any IP address
- These IP addresses:

2001:db8::107

The presentation enters the two IP address for this example.

< Back   Next >   Cancel

Administrator: Command Prompt

Ethernet adapter Ethernet:

New Connection Security Rule Wizard

Requirements

Specify the authentication requirements for connections that match this rule.

Steps:

- Rule Type
- Endpoints
- Requirements
- Authentication Method
- Protocol and Ports
- Profile
- Name

When do you want authentication to occur?

- Request authentication for inbound and outbound connections**  
Authenticate whenever possible but authentication is not required.
- Require authentication for inbound connections and request authentication for outbound connections**  
Inbound connections must be authenticated to be allowed. Outbound connections are authenticated whenever possible but authentication is not required.
- Require authentication for inbound and outbound connections**  
Both inbound and outbound connections must be authenticated to be allowed.
- Do not authenticate**  
No connections will be authenticated.

< Back   Next >   Cancel

Actions

- Connection Sec...
- New Rule...
- Filter by Profile
- Filter by State
- View
- New Window fr...
- Refresh
- Export List...
- Help

Administrator: Command Prompt

Ethernet adapter Ethernet:

New Connection Security Rule Wizard

Authentication Method

Specify how authentication is performed for connections that match this rule.

Steps:

- Rule Type
- Endpoints
- Requirements
- Authentication Method
- Protocol and Ports
- Profile
- Name

What authentication method would you like to use?

- Default**  
Use the authentication methods specified in IPsec settings.
- Computer and user (Kerberos V5)**  
Restrict communications to connections from domain-joined users and computers. Provides identity information for authorizing specific users and computers in inbound and outbound rules.
- Computer (Kerberos V5)**  
Restrict communications to connections from domain-joined computers. Provides identity information for authorizing specific computers in inbound and outbound rules.
- Advanced**  
Specify custom first and second authentication settings.

The presentation will use a non-recommended authentication system. The presentation selects a customize under Advance.

Customize...

< Back   Next >   Cancel

- Refresh
- Export List...
- Help

Administrator: Command Prompt

Ethernet adapter Ethernet:

New Connection Security Rule Wizard

Authentication Method

Customize Advanced Authentication Methods

First authentication

Specify computer authentication methods to use during IPsec negotiations. Those higher in the list are tried first.

First authentication methods:

Method	Additional Information
--------	------------------------

Add...

Edit...

Remove

First authentication is optional

Second authentication

Specify user authentication methods to use during IPsec negotiations. The methods are tried in the order listed.

Second authentication methods:

Method	Additional Information
--------	------------------------

Add...

Edit...

Remove

Second authentication is optional

A second authentication cannot be specified when a preshared key is in the first authentication methods list.

OK

Cancel

< Back

Next >

Cancel

The presentation adds an authentication method under first authentication methods.

Administrator: Command Prompt

Ethernet adapter Ethernet:

New Connection Security Rule Wizard

Add First Authentication Method

Select the credential to use for first authentication:

- Computer (Kerberos V5)
- Computer (NTLMv2)
- Computer certificate from this certification authority (CA):

Signing algorithm: RSA (default)

Certificate store type: Root CA (default)

Browse...

Accept only health certificates Advanced...

Enable certificate to account mapping

- Preshared key (not recommended):

Password01

Preshared key authentication is less secure than other authentication methods. Preshared keys are stored in plaintext. When preshared key authentication is used, Second Authentication cannot be used.

OK Cancel

The presentation uses a very weak and nonrecommended preshared key.

First authentication Specify computer authentication negotiations. Those higher in the list are preferred.

First authentication methods:

Method	Action

Add... Edit...

First authentication is optional

- View
- New Window from...
- Refresh
- Export List...
- Help

Remove

specified when a preshared key is used.

OK Cancel

Cancel

Administrator: Command Prompt

Ethernet adapter Ethernet:

New Connection Security Rule Wizard

Authentication Method

Customize Advanced Authentication Methods

First authentication

Specify computer authentication methods to use during IPsec negotiations. Those higher in the list are tried first.

First authentication methods:

Method	Additional Information
Preshared key	Password01

Add...

Edit...

Remove

First authentication is optional

Second authentication

Specify user authentication methods during IPsec negotiations. Those higher in the list are tried first.

Second authentication methods:

Method	Additional Information
--------	------------------------

Add...

Edit...

Remove

Second authentication is optional

A second authentication cannot be specified when a preshared key is in the first authentication methods list.

OK

Cancel

< Back

Next >

Cancel

The presentation checks the authentication methods.

Export List...

Help

Administrator: Command Prompt

Ethernet adapter Ethernet:

New Connection Security Rule Wizard

Protocol and Ports

Specify the protocol and ports to which this rule applies.

Steps:

- Rule Type
- Endpoints
- Requirements
- Authentication Method
- Protocol and Ports
- Profile
- Name

To which ports and protocols does this rule apply?

Protocol type: Any

Protocol number: 0

Endpoint 1 port: All Ports

Example: 80, 445, 5000-5010

Endpoint 2 port: All Ports

Example: 80, 445, 5000-5010

< Back Next > Cancel

Actions

- Connection Sec...
- New Rule...
- Filter by Profile
- Filter by State
- View
- New Window fr...
- Refresh
- Export List...
- Help



Administrator: Command Prompt

Ethernet adapter Ethernet:

New Connection Security Rule Wizard

Profile

Specify the profiles for which this rule applies.

Steps:

- Rule Type
- Endpoints
- Requirements
- Authentication Method
- Protocol and Ports
- Profile
- Name

When does this rule apply?

- Domain**  
Applies when a computer is connected to its corporate domain.
- Private**  
Applies when a computer is connected to a private network location, such as a home or work place.
- Public**  
Applies when a computer is connected to a public network location.

< Back   Next >   Cancel

Actions

- Connection Sec... ▲
- New Rule...
- Filter by Profile ▶
- Filter by State ▶
- View ▶
- New Window fr...
- Refresh
- Export List...
- Help

Administrator: Command Prompt

Ethernet adapter Ethernet:

New Connection Security Rule Wizard

Name

Specify the name and description of this rule.

Steps:

- Rule Type
- Endpoints
- Requirements
- Authentication Method
- Protocol and Ports
- Profile
- Name

Name:

Windows 8.0

Description (optional):

Windows 8.0 IPv6 IPsec test 01

The presentation adds a name and description for the rule.

< Back

Finish

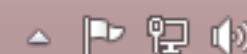
Cancel

New Window fr...

Refresh

Export List...

Help



ENG

1:46 PM

5/8/2014

## Administrator: Command Prompt

Ethernet adapter Ethernet:

```

Connection-specific DNS Suffix  . : localdomain
IPv6 Address . . . . .           : 2001:db8::108
Link-local IPv6 Address . . . . . : fe80::1d08:a2d0:b94c:d561%12

```

## Console1 - [Console Root\Windows Firewall with Advanced Security on Local Computer\Connection Security Rules]

File Action View Favorites Window Help



Name	Enabled	Endpoint 1	Endpoint 2	Authentication mode	Authentication method	Endpoint 1 port
Windows 8.0	Yes	2001:db8::108	2001:db8::107	Require inbound and ...	Custom	Any

The presentation verifies the rule is ready. The presentation is happy with the report.

## Actions

## Connection Sec...

- New Rule...
- Filter by Profile
- Filter by State
- View
- New Window fr...
- Refresh
- Export List...
- Help



ENG

1:47 PM

5/8/2014

## Administrator: Command Prompt

```
C:\Windows\system32>ping 2001:db8::107
```

```
Pinging 2001:db8::107 with 32 bytes of data:
```

```
Reply from 2001:db8::107: time<1ms
```

```
Reply from 2001:db8::107: time<1ms
```

```
Reply from 2001:db8::107: time<1ms
```

```
Reply from 2001:db8::107: time<1ms
```

```
Ping statistics for 2001:db8::107:
```

```
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
```

```
    Approximate round trip times in milli-seconds:
```

```
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

```
C:\Windows\system32>_
```

The presentation pings the other host in this example.



ENG

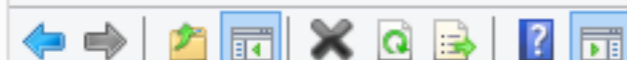
1:48 PM

5/8/2014

Command Prompt - net use m: \\win7-a\data

Console1 - [Console Root\IP Security Monitor\WIN8-VICTIM02\Quick Mode\Statistics]

File Action View Favorites Window Help



Console Root	Parameters	Statistics	Actions
Windows Firewall with Adv	Active Security Associations	1	
Inbound Rules	Offloaded Security Associations	0	
Outbound Rules	Pending Key Operations	0	
Connection Security R	Key Additions	1	
Monitoring	Key Deletions	0	
IP Security Monitor	Rekeys	0	
WIN8-VICTIM02	Active Tunnels	0	
Active Policy	Bad SPI Packets	0	
Main Mode	Packets Not Decrypted	0	
Generic Filters	Packets Not Authenticated	0	
Specific Filters	Packets With Replay Detection	0	
IKE Policies	Confidential Bytes Sent	0	
Statistics	Confidential Bytes Received	0	
Security Associa	Authenticated Bytes Sent	416	
Quick Mode	Authenticated Bytes Received	416	
Generic Filters	Transport Bytes Sent	416	
Specific Filters	Transport Bytes Received	416	
Negotiation Pol	Bytes Sent In Tunnels	0	
Statistics	Bytes Received In Tunnels	0	
Security Associa	Offloaded Bytes Sent	0	
	Offloaded Bytes Received	0	

The statistics under IP Security Monitor show successful IPsec operation



Kleopatra



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5/8/2014

Command Prompt - net use m: \\win7-a\data

Console1 - [Console Root\Windows Firewall with Advanced Security on Local Computer\Monitoring]

File Action View Favorites Window Help



- Console Root
  - Windows Firewall with Advanced Security
    - Inbound Rules
    - Outbound Rules
    - Connection Security Rules
    - Monitoring
  - IP Security Monitor
    - WIN8-VICTIM02
      - Active Policy
      - Main Mode
        - Generic Filters
        - Specific Filters
        - IKE Policies
        - Statistics
        - Security Associations
      - Quick Mode
        - Generic Filters
        - Specific Filters
        - Negotiation Policies
        - Statistics
        - Security Associations

- Windows Firewall on:
- Inbound connections that do not match a rule are blocked.
- Outbound connections that do not match a rule are allowed.

**General Settings**

Display a notification when a program is blocked:  
Apply local firewall rules:  
Apply local connection security rules:

**Logging Settings**

File name:  
File maximum size (KB):  
Log dropped packets:  
Log successful connections:

- View active firewall rules
- View active connection security rules
- View security associations

**Actions**

Monitoring

View

New Window fr...

Refresh

Help

The presentation selects Monitoring under Windows Firewall with Advance Security. Then the presentation selects View security associations.



Kleopatra



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1:50 PM  
5/8/2014

Command Prompt - net use m: \\win7-a\data

Console1 - [Console Root\Windows Firewall with Advanced Security on Local Computer\Monitoring\Security Associations\Main ...

File Action View Favorites Window Help



- Console Root
  - Windows Firewall with Advanced Security
    - Inbound Rules
    - Outbound Rules
    - Connection Security Rules
    - Monitoring
      - Firewall
      - Connection Security Rules
      - Security Associations
        - Main Mode
        - Quick Mode
  - IP Security Monitor
    - WIN8-VICTIM02
      - Active Policy
      - Main Mode
        - Generic Filter Rules
        - Specific Filter Rules
        - IKE Policies
        - Statistics
        - Security Associations
          - Quick Mode
            - Generic Filter Rules
            - Specific Filter Rules
            - Negotiation

Local Address	Remote Address	1st Authentication Method	2nd Authentication Method	Encryption	Integrity
2001:db8::108	2001:db8::107	Preshared key	No authentication	AES-CBC...	SHA-256...

The security associations are correct for IPsec using IPv6.

- Actions**
- Main Mode
    - View
    - New Window from...
  - Refresh
  - Export List...
  - Help



Kleopatra