

- Network Access Manager
- Client Policy
- Authentication Policy
- Networks
- Network Groups

Client Policy

Profile: C:\Users\jmartin\Desktop\ISE\Secured Wired\configuration.xml

Connection Settings

Default Connection Timeout (sec.)

Connection Attempt:

Before user logon

Time to wait before allowing user to logon (sec.)

After user logon

Media

Manage Wi-Fi (wireless) Media

Enable validation of WPA/WPA2 handshake

Default Association Timeout (sec.)

Manage Wired (802.3) Media

Manage Mobile Broadband (3G) Media

Enable Data Roaming

End-user Control

Allow end-user to:

Disable Client

Display user groups

Specify a script or application to run when connected

Auto-connect

Administrative Status

Service Operation Enable Disable

FIPS Mode Enable Disable

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Authentication Policy

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Allow Association Modes

- Select All (Personal)
 - Open (no encryption)
 - Open (Static WEP)
 - Shared (WEP)
 - WPA Personal TKIP
 - WPA Personal AES
 - WPA2 Personal TKIP
 - WPA2 Personal AES
- Select All (Enterprise)
 - Open (Dynamic (802.1X) WEP)
 - WPA Enterprise TKIP
 - WPA Enterprise AES
 - WPA2 Enterprise TKIP
 - WPA2 Enterprise AES
 - CCKM Enterprise TKIP
 - CCKM Enterprise AES

Allowed Authentication Modes

- Select All Outer
 - EAP-FAST
 - EAP-GTC
 - EAP-MSCHAPv2
 - EAP-TLS
 - EAP-TLS
 - EAP-TTLS
 - EAP-MD5
 - EAP-MSCHAPv2
 - PAP (legacy)
 - CHAP (legacy)
 - MSCHAP (legacy)
 - MSCHAPv2 (legacy)
 - LEAP
 - PEAP
 - EAP-GTC
 - EAP-MSCHAPv2
 - EAP-TLS

Allowed Wired Security

- Select All
 - Open (no encryption)
 - 802.1x only
 - 802.1x with MacSec
 - AES-GCM-128
 - AES-GCM-256

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Networks

Profile: C:\Users\jmartin\Desktop\ISE\Secured Wired\configuration.xml

Name:

Group Membership

- In group:
- In all groups (Global)

Choose Your Network Media

- Wired (802.3) Network**
- Select a wired network if the endstations will be connecting to the network with a traditional ethernet cable.
- Wi-Fi (wireless) Network**
- Select a WiFi network if the endstations will be connecting to the network via a wireless radio connection to an Access Point.
- SSID (max 32 chars):
- Hidden Network
- Corporate Network
- Association Timeout: seconds

Common Settings

Script or application on each user's machine to run when connected.

Connection Timeout: seconds

- Media Type
- Security Level
- Connection Type
- Machine Auth
- Certificates
- User Auth
- Certificates
- Credentials

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Networks

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Security Level

- Open Network
Open networks have no security, and are open to anybody within range. This is the least secure type of network.
- Authenticating Network
Authenticating networks provide the highest level of security and are perfect for enterprise level networks. Authentication networks require radius servers, and other network infrastructure.

802.1X Settings

authPeriod (sec.)	<input type="text" value="30"/>	startPeriod (sec.)	<input type="text" value="3"/>
heldPeriod (sec.)	<input type="text" value="60"/>	maxStart	<input type="text" value="2"/>

Security

Key Management

None

Encryption

- AES GCM 128
- AES GCM 256

Port Authentication Exception Policy

- Enable port exceptions
 - Allow data traffic before authentication
 - Allow data traffic after authentication even if
 - EAP fails
 - EAP succeeds but key management fails

- Media Type
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Next

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Network Connection Type

Machine Connection

This should be used if the end station should log onto the network before the user logs in. This is typically used for connecting to domains, to get GPO's and other updates from the network before the user has access.

User Connection

The user connection should be used when a machine connection is not needed. A user connection will make the network available after the user has logged on.

Machine and User Connection

This type of connection will be made automatically when the machine boots. It will then be brought down, and back up again with different credentials when the user logs in.

- Media Type
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- Connection Type
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- User Auth
- Certificates
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Next

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Networks

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EAP Methods

<input type="radio"/> EAP-MD5	<input type="radio"/> EAP-TLS
<input type="radio"/> EAP-MSCHAPv2	<input type="radio"/> EAP-TTLS
<input type="radio"/> EAP-GTC	<input type="radio"/> PEAP
	<input checked="" type="radio"/> EAP-FAST

EAP-FAST Settings

Validate Server Identity

Enable Fast Reconnect

Inner Methods based on Credentials Source

Authenticate using a Password

EAP-MSCHAPv2 EAP-GTC

If using PACs, allow unauthenticated PAC provisioning

Authenticate using a Certificate

- When requested send the client certificate in the clear
- Only send client certificates inside the tunnel
- Send client certificate using EAP-TLS in the tunnel

Use PACs

- Media Type
- Security Level
- Connection Type
- Machine Auth
- Certificates
- Credentials
- User Auth
- Certificates
- Credentials

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Networks

Profile: C:\Users\jmartin\Desktop\ISE\Secured Wired\configuration.xml

Certificate Trusted Server Rules

<new>

Certificate Field	Match	Value
Subject Alt. Name	exactly matches	

Add Save

Certificate Trusted Authority

- Trust any Root Certificate Authority (CA) Installed on the OS
- Include Root Certificate Authority (CA) Certificates

Add Remove

Next Cancel

- Media Type
- Security Level
- Connection Type
- Machine Auth
- Certificates**
- Credentials
- User Auth
- Certificates
- Credentials

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Machine Identity

Unprotected Identity Pattern:

Protected Identity Pattern:

Machine Credentials

Use Machine Credentials

Use Static Credentials

Password:

- Media Type
- Security Level
- Connection Type
- Machine Auth
- Certificates
- Credentials
- User Auth
- Certificates
- Credentials

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EAP Methods

<input type="radio"/> EAP-MD5	<input type="radio"/> EAP-TLS
<input type="radio"/> EAP-MSCHAPv2	<input type="radio"/> EAP-TTLS
<input type="radio"/> EAP-GTC	<input type="radio"/> PEAP
	<input checked="" type="radio"/> EAP-FAST

Extend user connection beyond log off

EAP-FAST Settings

<input checked="" type="checkbox"/> Validate Server Identity
<input checked="" type="checkbox"/> Enable Fast Reconnect
<input type="checkbox"/> Disable when using a Smart Card

Inner Methods based on Credentials Source

<input checked="" type="radio"/> Authenticate using a Password	
<input checked="" type="checkbox"/> EAP-MSCHAPv2	<input checked="" type="checkbox"/> EAP-GTC
<input type="checkbox"/> If using PACs, allow unauthenticated PAC provisioning	
<input type="radio"/> Authenticate using a Certificate	
<input type="radio"/> When requested send the client certificate in the clear	
<input type="radio"/> Only send client certificates inside the tunnel	
<input checked="" type="radio"/> Send client certificate using EAP-TLS in the tunnel	
<input type="radio"/> Authenticate using a Token and EAP-GTC	

Use PACs

- Media Type
- Security Level
- Connection Type
- Machine Auth
- Certificates
- Credentials
- User Auth**
- Certificates
- Credentials

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Certificate Trusted Server Rules

<new>

Certificate Field	Match	Value
-------------------	-------	-------

Subject Alt. Name	exactly matches	
-------------------	-----------------	--

Add

Save

Certificate Trusted Authority

- Trust any Root Certificate Authority (CA) Installed on the OS
- Include Root Certificate Authority (CA) Certificates

--

Add

Remove

Next

Cancel

- Media Type
- Security Level
- Connection Type
- Machine Auth
- Certificates
- Credentials
- User Auth
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User Identity

Unprotected Identity Pattern:

Protected Identity Pattern:

User Credentials

Use Single Sign On Credentials

Prompt for Credentials

- Remember Forever
- Remember while User is Logged On
- Never Remember

Use Static Credentials

Password:

- Media Type
- Security Level
- Connection Type
- Machine Auth
- Certificates
- Credentials
- User Auth
- Certificates
- Credentials

Done

Cancel