NetIQ Advanced Authentication Framework - Extensible Authentication Protocol Server

Administrator's Guide

Version 5.1.0

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Introduction

About This Document

Purpose of the Document

This EAP Administrator's Guide is intended for system administrators and describes the integration of NetIQ Advanced Authentication Framework – Extensive Authentication Protocol Server.

Document Conventions

This document uses the following conventions:

Warning. This sign indicates requirements or restrictions that should be observed to prevent undesirable effects.

Important notes. This sign indicates important information you need to know to use the product successfully.

Notes. This sign indicates supplementary information you may need in some cases.

Tips. This sign indicates recommendations.

• Terms are italicized, e.g.: ***Authenticator***.
• Names of GUI elements such as dialogs, menu items, and buttons are put in bold type, e.g.: the **Logon** window.

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Support

EAP Server is a server and client component. It is included to NetIQ Client. EAP Server supports authentication only on Microsoft Windows 7 and Microsoft Windows 8.

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Installing and Removing EAP Server Package

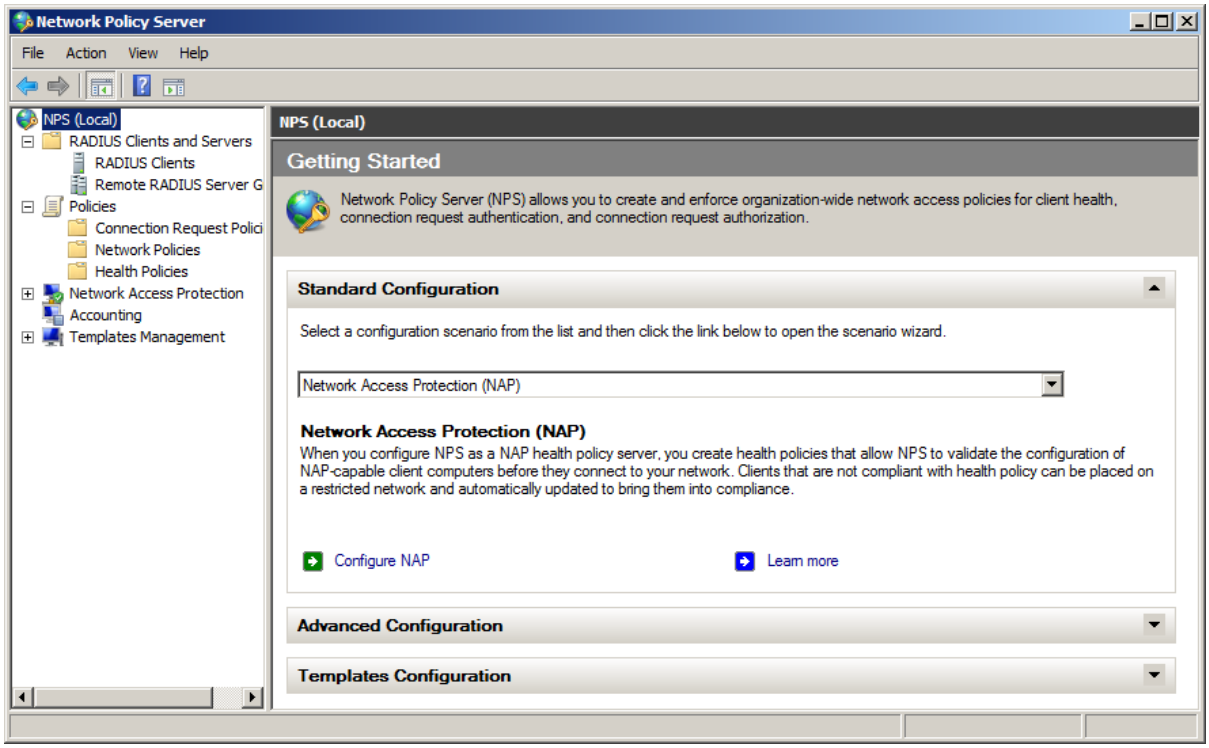
Extensible Authentication Protocol Server (EAP Server) is an Internet Engineering Task Force (IETF) standard that provides an infrastructure for network access clients and authentication servers to host plug-in modules for current and future authentication methods.

Integration in RRAS/NPS Server

EAP Server package should be installed on RRAS/NPS server to perform authentication of NetIQ Advanced Authentication Framework EAP Server clients. Administrator who is running the given package installation must be a member of Local Admins group.

1. In Server Manager, add a new role: **Network Policy and Access Services**. Out of all the offered options, it is important that you keep **Network Policy Server**. Press **Install**.

2. After Network Policy Server is installed, open it through Administrative Tools. Configure **Network Access Protection (NAP)**.



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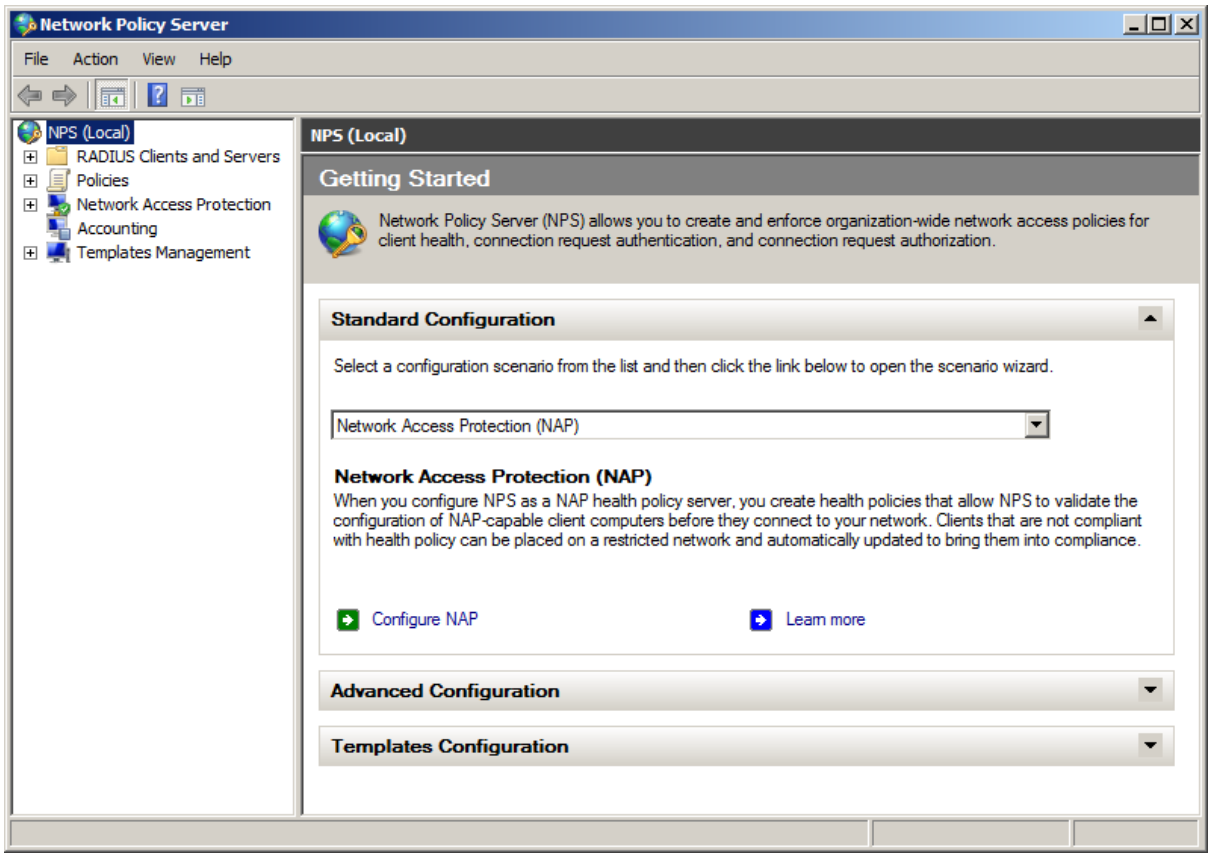

3. In Network Policies, disable all the policies. Duplicate **Connections to Other Access Servers** policy and make it a granting one.

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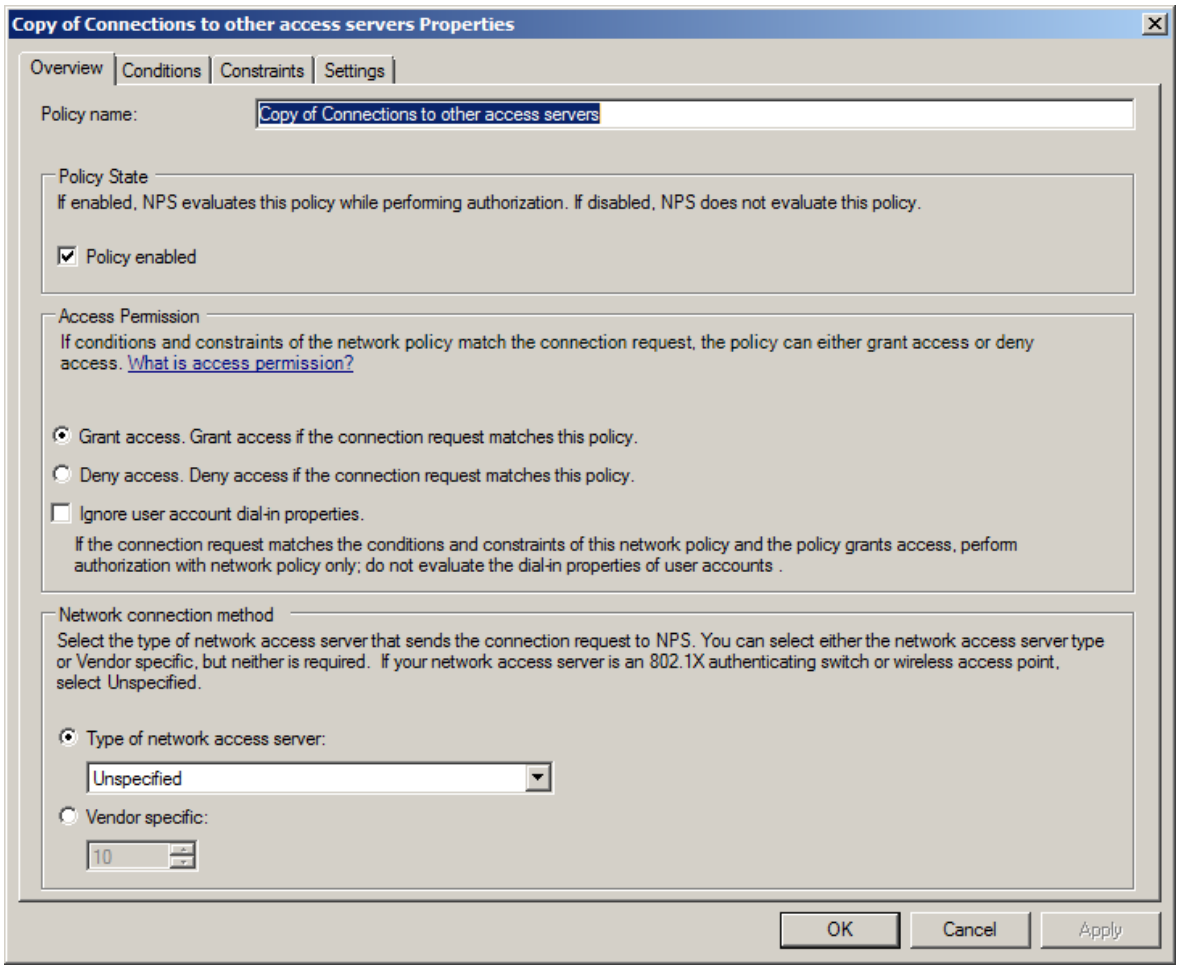

4. On Constraints tab, select **Encrypted authentication (CHAP)** and **Unencrypted authentication (PAP, SPAP)**.

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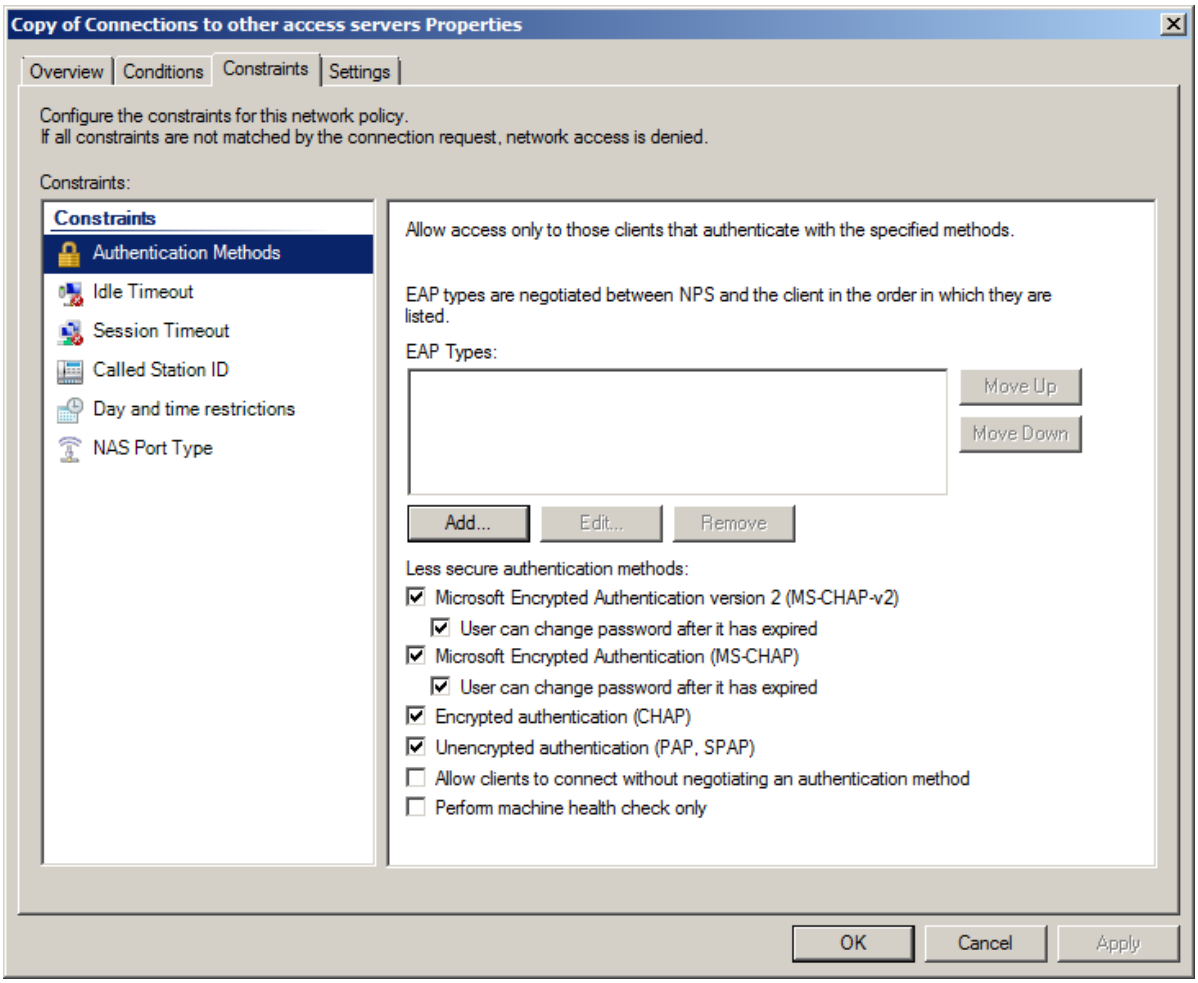
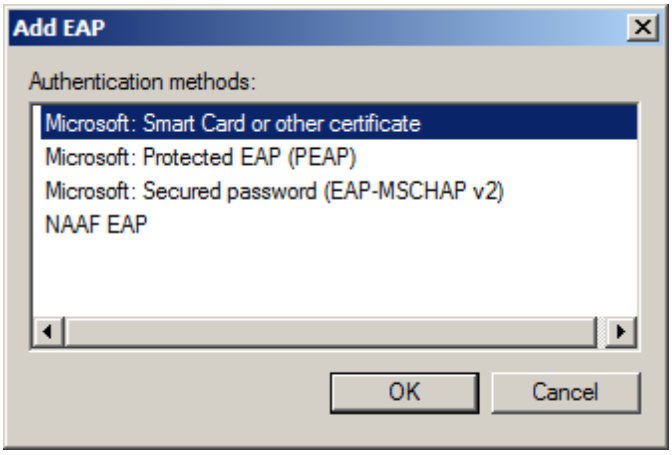


5. Then press the **Add** button to create the VPN connection. The following window will be displayed:



Choose **NetIQ EAP**:

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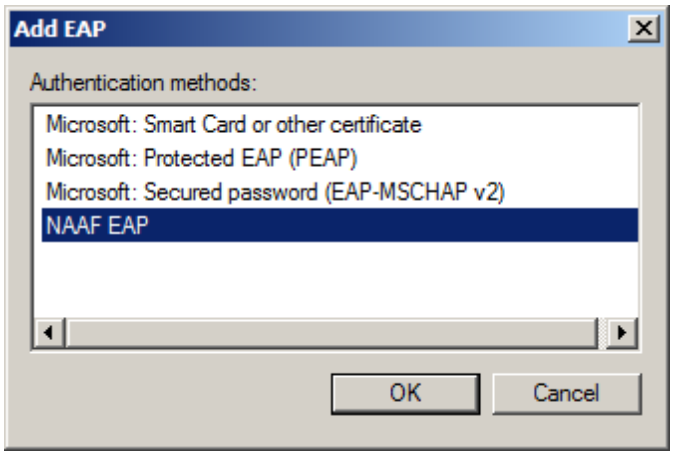
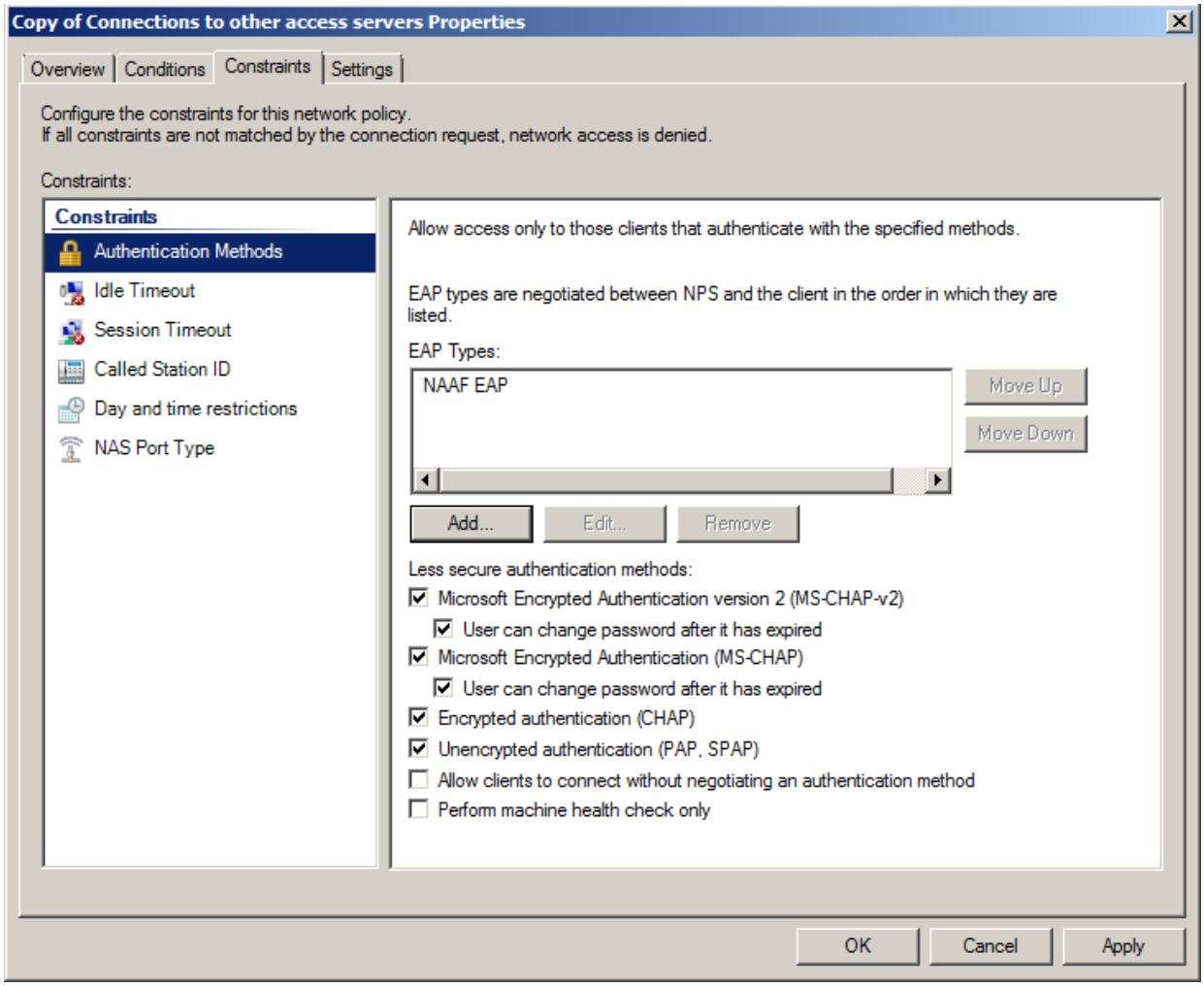


6. The **NetIQ EAP** type is successfully added and to create VPN connection the **Apply** button should be pressed:



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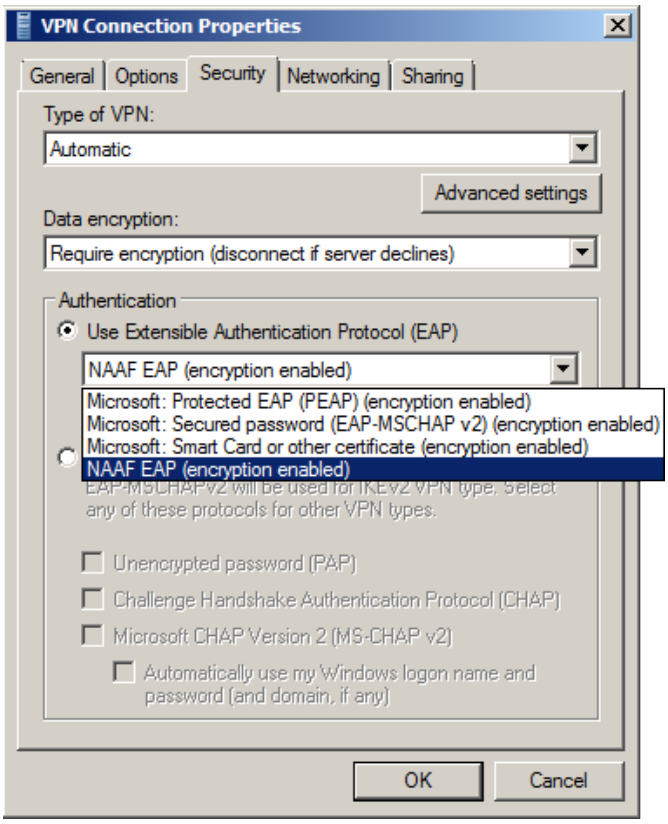
Logon to VPN

Open **VPN Connection Properties** and choose the **Security** inlay. Select **Use Extensible Authentication Protocol (EAP)** and press **NetIQ EAP (encryption enabled)**.



Then press the **OK** button. The following window will be displayed in case of establishing the VPN connection.

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NetIQ
Please enter username, select logon method, and press "Next >>".
Next >>
Username:
Options <<
Logon method:
Card
Cancel
Domain:
AUTHASAS
Use current settings as defaults
EN

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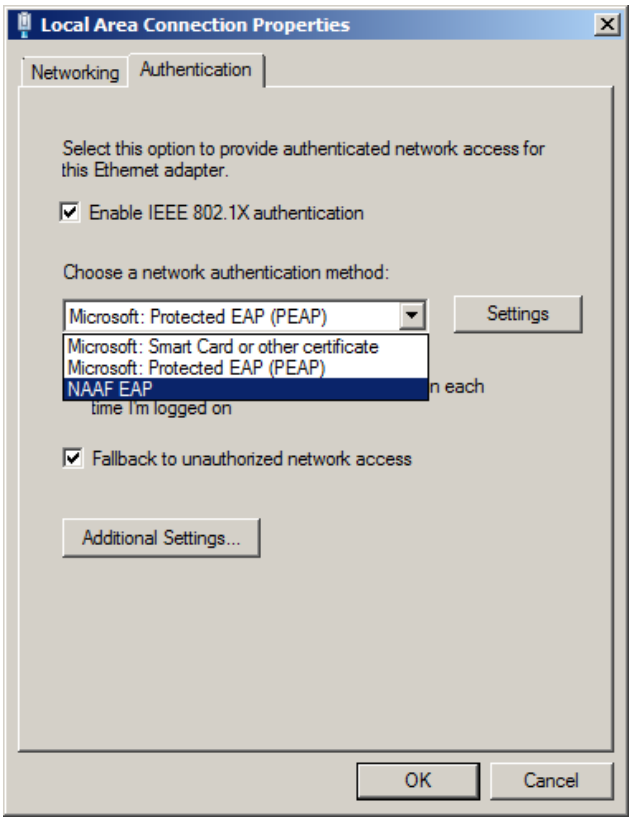
Logon to 802.1x Protected Network

To use the 802.1x protocol, start the **Wired AutoConfig** service. When it is started, the **Authentication** tab appears. After clicking on the **Authentication** tab, it is possible to select from the list of network authentication methods **NetIQ EAP.**



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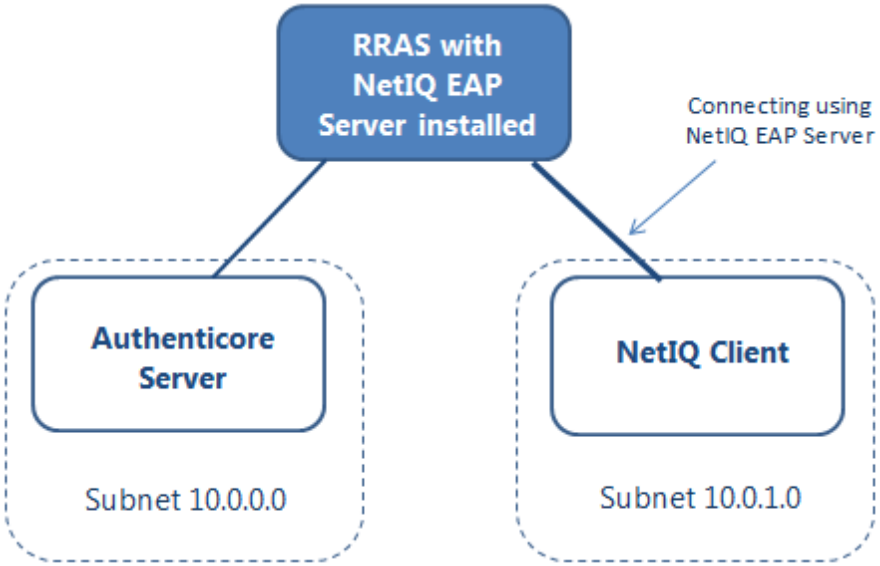
Simplified Scheme of NetIQ EAP Server Principle of Work

To logon using the NetIQ EAP Server client sends a request to logon using the authenticator. RRAS receives a request via NetIQ EAP Server and in its turn sends a request to the authentication server, and then receives a response from the server and either logons or rejects the entrance to the network.



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Troubleshooting

This chapter provides solutions for known issues. If you encounter any problems that are not mentioned here, please contact the support service.

Cannot Install EAP Server Package

Description:

Error appears when installing EAP Server Package on your computer.

Cause:

a) You are installing EAP Server Package on the network drive.

b) You have no space left on the disk.

c) You are installing EAP Server Package on the unsupported OS.

d) You are installing EAP Server Package on the OS with the wrong bitness.

Solution:

a) Change the installation path.

b) Free the amount of disk space needed for installation.

c) Check the Support chapter.

d) Check your OS's bitness (x64/x86) and run the corresponding installer (x64/x86).

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