NetIQ Advanced Authentication Framework

System Requirements

Version 5.1.0

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Introduction

About This Document

This document is intended for NetIQ Administrators and describes hardware and software requirement for NetIQ Advanced Authentication Framework components.

Infrastructure

- Directory service:
    - Microsoft Active Directory Domain Services (AD DS) 2008 and newer
    - Microsoft Active Directory Lightweight Directory Services (AD LDS) 2008 and newer
    - Novell eDirectory (only Domain Services for Windows mode)
- Domain functionality level (for Microsoft Active Directory) – Microsoft Windows Server 2008 R2 SP1 and newer
- No dcdiag problems
- Domain Admins + Schema Admins privileges for schema extension
- Local Administrators privileges for components installation
- DNS Server: configured Reverse Lookup Zones for subnets with workstations to reduce the time for client-server interaction

Communication Channel Throughput

In this chapter:

Minimal requirements

- Between Authenticore Server and Workstations – 500 Kbit
- Between Authenticore Servers – 1 Mbit
- Between Active Directory (AD LDS) and Authenticore Servers – 5 Mbit

Recommended Requirements

1. Between Authenticore Server and Workstations – 5 Mbit
2. Between Authenticore Servers – 10 Mbit
3. Between Active Directory (AD LDS) and Authenticore Servers – 50 Mbit

Server Components

In this chapter:

NetIQ Authenticore Server

Installing and removing Authenticore Server required **Local Admins + Authenticore Admins** privileges.

Recommended hardware requirements:

1. Intel Core 2 Duo 2.0GHz
2. 2Gb RAM
3. Free space on system partition of hard drive: 30 GB (for events and logs)

Operating system requirements:

1. Microsoft Windows Server 2008 R2 Service Pack 1
2. Microsoft Windows Server 2012
3. Microsoft Windows Server 2012 R2

It is strongly recommended (at first for fault tolerance) to use more than one NetIQ Authenticore Server for each site in domain. For understanding on how many servers you will need, use Microsoft's recommendations for Domain Controllers.

 Authenticore Servers can be installed only on member servers, not on Domain Controllers. Installation of Authenticore Servers on Domain Controllers is not supported. In case of installation of Authenticore Servers on Domain Controllers, you can get the following issues:

1. Domain Controller has long startup (several minutes).
2. Authenticore Server and Log Server services cannot be started automatically.

⊛ License should be applied during the installation of NetIQ Advanced Authentication Framework Authenticore Server. Otherwise other components will not be installed.

NetIQ Password Filter

Installing and removing Password Filter required **Domain Admins** privileges.

Recommended hardware requirements: use Microsoft's recommendations for Domain Controllers.

Free space on system partition of hard drive: 100 MB

Operating system requirements:

1. Microsoft Windows Server 2008 R2 Service Pack 1
2. Microsoft Windows Server 2012
3. Microsoft Windows Server 2012 R2

The server must be a Domain Controller with domain functional level Windows Server 2008 R2 SP1 or higher.

The Password Filter component should be installed on each Domain Controller.

NetIQ EAP Server

Installing and removing EAP Server component requires **Local Admins** privileges.

Operating system requirements:

1. Microsoft Windows Server 2008 R2 Service Pack 1

NetIQ NPS Plugin

Installing and removing NPS plugin requires **Local Admins** privileges.

⊛ NetIQ Password Filter should be obligatory installed on all Domain Controllers in the domain.

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Operating system requirements:

1. Microsoft Windows Server 2008 R2 Service Pack 1
2. Microsoft Windows Server 2012
3. Microsoft Windows Server 2012 R2

NetIQ Web Enrollment Wizard

Installing and removing Web Enrollment Wizard requires **Local Admins** privileges.

Web Server (IIS) server role should be preliminary installed.

The following IIS services should be installed on the selected server: Web Service Role, Common HTTP Features, ASP.NET 4.5 (4.0.30319), .NET Extensibility, ISAPI Extensions, ISAPI Filter and Request Filtering.

Operating system requirements:

1. Microsoft Windows Server 2008 R2 Service Pack 1
2. Microsoft Windows Server 2012
3. Microsoft Windows Server 2012 R2

NetIQ Web Service

Installing and removing Web Service requires **Local Admins** privileges.

Web Server (IIS) server role should be preliminary installed.

The following IIS services should be installed on the selected server: Web Service Role, Common HTTP Features, ASP.NET 4.5 (4.0.30319), .NET Extensibility, ISAPI Extensions, ISAPI Filter and Request Filtering.

Operating system requirements:

1. Microsoft Windows Server 2008 R2 Service Pack 1
2. Microsoft Windows Server 2012
3. Microsoft Windows Server 2012 R2
4. Microsoft .NET Framework 3,5

Administrative Components

In this chapter:

- [NetIQ Administrative Tools](#)
- [NetIQ Group Policy Templates](#)

NetIQ Administrative Tools

Operating system requirements:

1. Microsoft Windows Server 2008 R2 Service Pack 1
2. Microsoft Windows Server 2012
3. Microsoft Windows Server 2012 R2

You need to install the necessary Remote Server Administration Tools operating system feature (Remote Server Administration Tools > Role Administration Tools>AD DS and AD LDS Tools > AD DS Tools for Microsoft Windows Server 2008 and newer).

You can install the component on server with NetIQ Authenticore Server installed.

NetIQ Group Policy Templates

Installing and removing Group Policy Templates requires **Local Admins** privileges.

Before the installation of Group Policy Templates, make sure that Group Policy Management Console is installed.

Operating system requirements:

1. Microsoft Windows Server 2008 R2 Service Pack 1
2. Microsoft Windows Server 2012
3. Microsoft Windows Server 2012 R2

Client components

In this chapter:

- NetIQ Client
- NetIQ RTE
- NetIQ VDA Shell

NetIQ Client

Free space on system partition of hard drive: 100 MB.

USB 2.0 port to connect authentication devices.

Operating system requirements:

1. Microsoft Windows 7 Service Pack 1 x86/x64
2. Microsoft Windows 8.1 x86/x64
3. Microsoft Windows 10 x86/x64

It is strongly recommended that your selected system meet the minimum requirements recommended by Microsoft:

The minimum requirements for Windows 7 can be found at:
http://windows.microsoft.com/en-us/windows7/products/system-requirements

The minimum requirements for Windows 8.1 can be found at:
http://windows.microsoft.com/en-us/windows-8/system-requirements

The minimum requirements for Windows 10 can be found at:
https://www.microsoft.com/en-us/windows/windows-10-specifications#sysreqs

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NetIQ RTE

Free space on system partition of hard drive: 24 MB.

Operating system requirements:

1. Microsoft Windows 7 Service Pack 1 x86/x64
2. Microsoft Windows 8.1 x86/x64
3. Microsoft Windows 10 x86/x64
4. Microsoft Windows Server 2008 R2 Service Pack 1
5. Microsoft Windows Server 2012

Installing and removing this product requires **Local Admins** privileges.

NetIQ VDA Shell

Operating system requirements:

1. Microsoft Windows Embedded Standard 7 Service Pack 1 x86
2. Microsoft Windows 7 Service Pack 1 x86/x64

Installing and removing this product requires **Local Admins** privileges.

Common Components

Authentication Providers

Please check the installation guide of authentication provider that interests you.

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