Nextra

IPv6 Users Guide

Version 6.5

Nextra

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Chapter 1 Introduction

Nextra now supports the IPv6 addressing. To make IPv6 work for Nextra, users just have to add a DCE_IPV Nextra environment attribute with the assigned value equal to 6 in the environment file and no need to recompile Nextra modules.

Chapter 2 Supported computing environment

Platforms

Windows

Client

Windows Vista or later platforms.

Server

Windows 2008 or later platforms.

UNIX/Linux

IPv6 installed platforms.

IPv6 address types

Link-local address

IPv6 link-local addresses are a special scope of address which can be used only within the context of a single layer two domain.

Global address

The scope of a global address is through the entire network. If we want to route over the network we use global address.

The following through Nextra environment files (.env).

Zone index

- The zone index is used by the client as the routing interface to be used accessing to the peer on Linux.

- Zone index is to be added as a suffix to IPv6 address using '%' symbol between address and zone index. Example: fe80::941a:7990:6fa3:fe98**%**eth0.
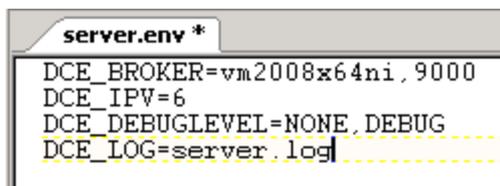- It is required to ping6 local link on Linux.

On Windows there is no issue related to whether we specify zone index or not. But on Linux we specifically need to mention the zone index.

Chapter 3 How to work with IPv6 feature

Run client and server with IPv6 addressing

For IPv6, we have introduced a new environment file attribute called 'DCE_IPV' which tells Nextra to use either IPv4 address type or to use IPv6 address one.

In order to make application IPv6 compatible, just include a 'DCE_IPV=6' attribute in the environment file of the respective Nextra application.


```
server.env *
DCE_BROKER=vm2008x64ni,9000
DCE_IPV=6
DCE_DEBUGLEVEL=NONE,DEBUG
DCE_LOG=server.log
```

Reminder that you need the attribute entry in client and server environment file. Unnecessary to specify it in broker's one.

By default, if you do not specify 'DCE_IPV' attribute, then Nextra supports IPv4 address type.

Run AppMinder with IPv6 addressing

AppMinder comprises Viewer, Monitor and Agent. In order to run Viewer and Monitor with IPv6 addressing, you need to specify a 'DCE_IPV=6' attribute in the environment file.

For Agent, we introduced a new configuration attribute named AMAGNET_DCE_IPV, setting number 6 t to it as 'AMAGENT_DCE_IPV=6' so that Agent runs with IPv6 addressing.

Setting IPv6 addressing to the services monitored by AppMinder

Viewer now provides IPv6 check box so if you check it, the service will run with IPv6 addressing.

Tuning Guide

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