

NCP Friendly Net Detection Server

for Linux

Release Notes



Major release: 4.00 r29170
Date: December 2021

Prerequisites

Linux Distributions:

The following Linux distributions are supported with this release:

- Debian GNU/Linux 11
- Red Hat Enterprise Linux Release 8.4
- Ubuntu 20.4, 18.4

FND client:

- VS GovNet Connector from Version 2.10
- NCP Secure Client

1. New Features and Enhancements

Introduction of a new FND protocol

In addition, to the previous EAP based FND protocol, a new TLS 1.2 based FND protocol has been introduced. This is used for communication to the VS GovNet Connector. NCP Secure Clients use the previous FND protocol based on EAP.

Support of IPv6

With the newly introduced FND protocol based on TLS 1.2, IPv6 is supported in addition to IPv4. The previous EAP-based protocol, on the other hand, only supports IPv4.

Version query of the FND server

The version of the FND server can be queried on the command line by entering `ncpfndd -h`.

2. Improvements / Problems Resolved

None.

Next Generation Network Access Technology

NCP Friendly Net Detection Server

for Linux

Release Notes



3. Known Issues

Configuration of the FND server only when the service is stopped.

If the configuration of the FND server is to be changed, the FND service must be stopped before editing the configuration file.

NCP Friendly Net Detection Server

for Linux

Release Notes



4. Getting Help for the NCP Friendly Net Detection Server

To ensure that you always have the latest information about NCP's products, always check the NCP website at:

<https://www.ncp-e.com/en/solutions/vpn/remote-access-vpn-technologies/friendly-net-detection/>

You can find a list of open source components used in this product in the accompanying document (OpenSourceLicenseTerms.pdf).

5. Features of the NCP Friendly Net Detection Server

With the help of Friendly Net Detection (FND) technology, the NCP Secure Client is able to automatically detect a trustworthy, "friendly" network. As a result, the rules of the firewall of the NCP Secure Client or VS GovNet Connector can automatically adapt. For example, preconfigured access to the user's computer can be automatically activated in the "friendly" company network, whereas the computer is shielded from external access in unknown network environments.

Friendly Net Detection is a classic client / server application that can be centrally administered:

- The Friendly Net Detection server (FNDS) is a separate service that is installed independently of the VPN gateway on a permanently available computer in the "friendly" company network. This service must be available from the user's computing device or the NCP Secure Client from all parts of the network. In some cases, the router settings may need to be changed.
- The Friendly Net Detection Client (FNDC) contained in the NCP Secure Client is configured via the firewall settings of the NCP Secure Client. If the user computer is connected to a new network, the FNDC tries to establish a connection to the configured FNDS. In case of a successful authentication of the FNDS on the FNDC / NCP Secure Client, it is confirmed that the user computer is connected to a "Friendly Net". The firewall rules of the NCP Secure Client are automatically changed, according to the administrator's configuration.
- The administrator configures all firewall rules in the NCP Secure Client both for the "Friendly Net" and for unknown networks. The underlying firewall is part of the NCP Secure Entry and Enterprise Clients. Configuration locks prevent a user from automatically changing the firewall rules or deactivating the firewall. In centrally managed environments, this configuration can be carried out using NCP Secure Enterprise Management.

The Friendly Net Detection technology is based on established standards, a fact which ensures consistent system security while protecting system from errors which are frequent in proprietary solutions.

Next Generation Network Access Technology

NCP Friendly Net Detection Server

for Linux

Release Notes



Operating Systems

See Prerequisites on page 1.

Security Features

Authentication

EAP, TLS or Certificate-based authentication of contact between NCP FND Server and NCP Secure Client or VS GovNet Connector.

Support for certificates in a PKI:

- Soft certificates