

# NCP Exclusive Remote Access Client (iOS)

## Release Notes



**Service Release:** 1.2.2.0 r43824

**Date:** May 2019

### Prerequisites

The following NCP software components are required for the NCP Secure Enterprise Client on a device with iOS 11.x or later:

- Juniper SRX Series
- NCP Exclusive Remote Access Management Version 5.0
- NCP Management Console Version 4.05
- NCP Management Plug-in Client Configuration Version 11.14 r42540
- NCP Management Plug-in License Management Version 11.13 r41357
- NCP Management Plug-in PKI Enrollment Version 4.05
- NCP Management Plug-in Server Configuration Version 11.00

### iOS Client Restrictions

MD5 certificates cannot be used for iOS.

The option "Use fingerprint sensor to connect" cannot be used if "Automatic (VPN On Demand)" is enabled.

## 1. New Features and Enhancements

None.

## 2. Improvements / Problems Resolved

### Client freezes when establishing a VPN connection

Under certain circumstances when establishing a VPN connection the VPN client freezes and is not usable. This issue has now been resolved.

## 3. Known Issues

None

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# NCP Exclusive Remote Access Client (iOS)

## Release Notes



**Service Release:** 1.2.1.1 r43310

**Date:** March 2019

### Prerequisites

The following NCP software components are required for the NCP Secure Enterprise Client on a device with iOS 11.x or later:

- Juniper SRX Series
- NCP Exclusive Remote Access Management Version 5.0
- NCP Management Console Version 4.05
- NCP Management Plug-in Client Configuration Version 11.14 r42540
- NCP Management Plug-in License Management Version 11.13 r41357
- NCP Management Plug-in PKI Enrollment Version 4.05
- NCP Management Plug-in Server Configuration Version 11.00

### iOS Client Restrictions

MD5 certificates cannot be used for iOS.

The option "Use fingerprint sensor to connect" cannot be used if "Automatic (VPN On Demand)" is enabled.

## 1. New Features and Enhancements

### VPN connection via system settings

When establishing a VPN connection via the iOS system settings, profiles can now be used that require the user to enter user name and password (authentication via XAUTH or EAP). In this case, you will see an iOS notification that will allow you to switch to the client monitor to enter the data.

## 2. Improvements / Problems Resolved

### Several optimizations

## 3. Known Issues

None

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# NCP Exclusive Remote Access Client (iOS)

## Release Notes



**Service Release:** 1.2.0.0 r42534

**Date:** January 2019

### Prerequisites

The following NCP software components are required for the NCP Secure Enterprise Client on a device with iOS 11.x or later:

- Juniper SRX Series
- NCP Exclusive Remote Access Management Version 5.0
- NCP Management Console Version 4.05
- NCP Management Plug-in Client Configuration Version 11.14 r42540
- NCP Management Plug-in License Management Version 11.13 r41357
- NCP Management Plug-in PKI Enrollment Version 4.05
- NCP Management Plug-in Server Configuration Version 11.00

### iOS Client Restrictions

MD5 certificates cannot be used for iOS.

The option "Use fingerprint sensor to connect" cannot be used if "Automatic (VPN On Demand)" is enabled.

## 1. New Features and Enhancements

### Optional input of username and password before establishing VPN tunnel

You can opt to enforce the input of username and password for each VPN connection (Authentication via XAUTH or EAP).

## 2. Improvements / Problems Resolved

Several optimizations

## 3. Known Issues

None

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# NCP Exclusive Remote Access Client (iOS)

## Release Notes



**Service Release:** 1.1.4.1 r41011  
**Date:** September 2018

### Prerequisites

The following NCP software components are required for the NCP Secure Enterprise Client on a device with iOS 9.3 or later:

- Juniper SRX Series
- NCP Exclusive Remote Access Management Version 5.0
- NCP Management Console Version 4.05
- NCP Management Plug-in Client Configuration Version 11.00
- NCP Management Plug-in License Management Version 11.00
- NCP Management Plug-in PKI Enrollment Version 4.05
- NCP Management Plug-in Server Configuration Version 11.00

### iOS Client Restrictions

MD5 certificates cannot be used for iOS.

The option "Use fingerprint sensor to connect" cannot be used if "Automatic (VPN On Demand)" is enabled.

## 1. New Features and Enhancements

None

## 2. Improvements / Problems Resolved

### Adaption to the iPhone X

Adaptions to the App's GUI and Face ID.

Fixed issues within the online help

## 3. Known Issues

None

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## 4. Getting Help for the NCP Secure Enterprise Client (iOS)

For further information about the Exclusive Remote Access Client, visit:

<https://www.ncp-e.com/en/exclusive-remote-access-solution/vpn-client/>

For further assistance with the NCP Exclusive Remote Access Client, visit:

<http://www.ncp-e.com/en/company/contact.html>

## 5. Features

### Operating Systems

See Prerequisites on page 1.

### Central Management

Assignment of VPN configuration and certificates via NCP's Exclusive Remote Access Management

### Virtual Private Networking

IPsec (Layer 3 Tunneling), RFC conformant;

Event log;

Communication only in the tunnel or Split Tunneling;

DPD;

Network Address Translation Traversal (NAT-T);

IPsec Tunnel Mode;

### Encryption and Encryption Algorithms

*Symmetrical:*

AES-CBC 128, 192, 256 bits;

AES-CTR 128, 192, 256 bits;

AES-GCM 128, 256 bits (only IKEv2);

Blowfish 128, 448 bits;

Triple-DES 112, 168 bits;

SEED;

*Dynamic Process for Key Exchange:*

RSA to 4096 bits;

ECDSA to 521 bits, Seamless Rekeying (PFS);

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# NCP Exclusive Remote Access Client (iOS)

## Release Notes



Hash Algorithms: SHA, SHA-256, SHA-384, SHA-512, MD5, DH-Gruppe 1, 2, 5, 14-18, 19-21, 25, 26;

### Key Exchange Methods

*IKEv1 (Aggressive and Main Mode):*

Pre-shared Key, RSA, XAUTH;

*IKEv2:*

Pre-shared Key, RSA, EAP-MS CHAPv2, EAP-MD5, EAP-TLS, EAP-PAP,  
Signature Authentication (RFC 7427), IKEv2 Fragmentation (RFC 7383);

### Strong Authentication

iOS Keychain for using User (soft) Certificates;

Touch ID; Face ID;

### VPN Pathfinder

NCP VPN Path Finder Technology, Fallback to HTTPS (Port 443) from IPsec if neither port 500 nor UDP encapsulation are available;

### IP Address Assignment

DHCP;

IKE Config Mode (IKEv1);

Config Payload (IKEv2);

### Line Management

DPD with configurable time interval;

Timeout;

„VPN on Demand“ for den automatischen Aufbau des VPN-Tunnels und die ausschließliche Kommunikation darüber;

### Data Compression

Deflate

### Other Features

UDP Encapsulation

### Internet Society RFCs and Drafts

RFC 4301 (IPsec), RFC 4303 ESP, RFC 3947 (NAT-T negotiations), RFC 3948 (UDP encapsulation), IKEv1, RFC 3526, ISAKMP, RFC 7296 (IKEv2), RFC 4555 (MOBIKE), RFC 5685 (Redirect), RFC 7383 (Fragmentation), RFC 7427 , 3279 Section 2.2.3, 3447 Section 8 (Signature Authentication), RFC

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# NCP Exclusive Remote Access Client (iOS)

## Release Notes



5903, 6954, 6989, 4754 (ECC), RFC 2451, 3686 (AES with ESP), 5930 (AES-CTR), 4106 (AES-GCM), 5282, 6379 (Suite B), RFC 3447 Section 8 (Padding)

### Client GUI

- Intuitive GUI with German and English;
- Configuration Update;
- Profile Selection;
- Connection Control and Management;
- Connection Statistics, Log Files;
- Trace Tool for Error Diagnosis;
- 3D Touch;

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