



NCP

SECURE COMMUNICATIONS ■

**Next Level
Remote Access**



Next Generation Network
Access Technology

www.ncp-e.com

Next Level Remote Access VPN

Since the company was founded in 1986, NCP has been committed to making deploying, using and managing remote access networks as easy and clear as possible for companies and users.

Meanwhile the scope of remote access has evolved significantly beyond simply connecting employee devices to company networks which now link many different offices and locations right down to individual machines, devices and sensors in production facilities.

Expertise and continuity

- Over 30 years of remote access expertise
- 100% privately owned
- Security made in Germany
- Proven partner network
- OEM contracts with Deutsche Telekom AG, Lancom, WatchGuard, Sophos, bintec elmeg and many others
- More than 35,000 customers worldwide

Technology pioneer

- First centrally managed VPN client for iOS
- Patented VPN Path Finder technology
- First solution for simple, transparent VPN management
- Unique smart firewall in the VPN clients

Industry expertise

- Finance
- Banking and insurance
- Production
- Retail
- Public sector
- Healthcare
- Education and research
- Providers and OEM partners

Benefits

- Highly scalable software solution
- Support of all common operating systems
- Compatibility with any VPN gateway (IPsec)
- One click solution (for users and administrators)
- Easy integration into existing infrastructure
- Centrally managed personal firewall
- Automated certificate creation and management
- Central VPN management (single point of administration) supporting more than 100,000 users
- Central software and license update
- Lower costs for documentation, training and support
- Virtualization

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“Overall, our communication costs abroad could be reduced by a factor of ten”

Peter Reichel, Max Bögl - Bauunternehmung GmbH & Co. KG

“The key reasons for purchasing NCP software included a scalable platform, ease of use for administrators and end users, proximity to NCP, support for multiple operating systems, and certificate solutions. The short and direct communication channels make working with NCP experts pleasant and effective.”

Stefan Rech, Ratiodata GmbH

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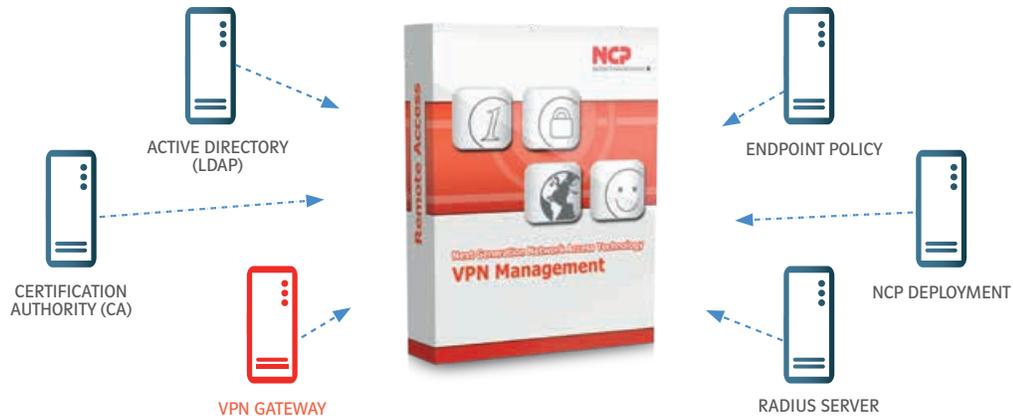
“The GUI is intuitive and easy to use. All the information the user needs is displayed in a simple form. Our employees hardly need training.”

Daniel Torres, Hisco Inc.

VPN Management

A safe bet for easily managing VPN

Secure Enterprise Management (SEM) means that companies can conveniently manage a remote access network from a central location. As a single point of administration, SEM means that administrators no longer have to battle with decentralized solutions and an array of management consoles.

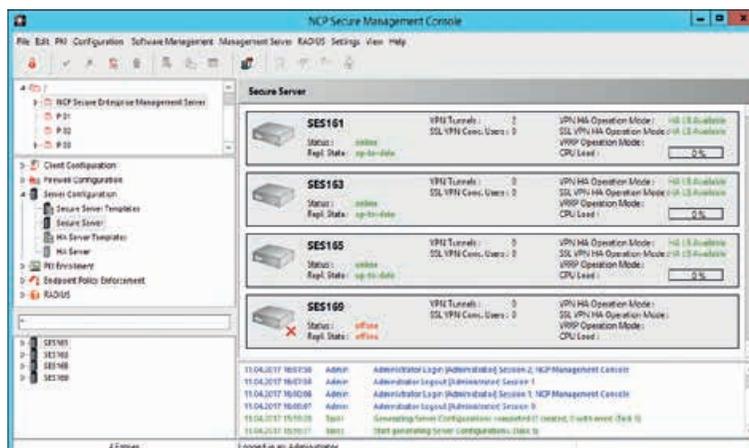


Single Point of Administration

All important activities such as Network Access Control (NAC) compliance checks, software and configuration updates, user administration, licenses, and certificates, are automated.

Benefits of NCP VPN Management:

- Manage more than 100,000 external users/ devices with just one administrator
- Automated mass rollout
- Central client/server configuration
- Certificate management
- License management
- Automated software updates
- Integration in user administration (LDAP, Active Directory etc.)
- Granular monitoring and reporting
- Cost-effective scaling and high availability
- Multi-client capability
- Dynamic policy changes
- Integrated RADIUS server
- Advanced authentication



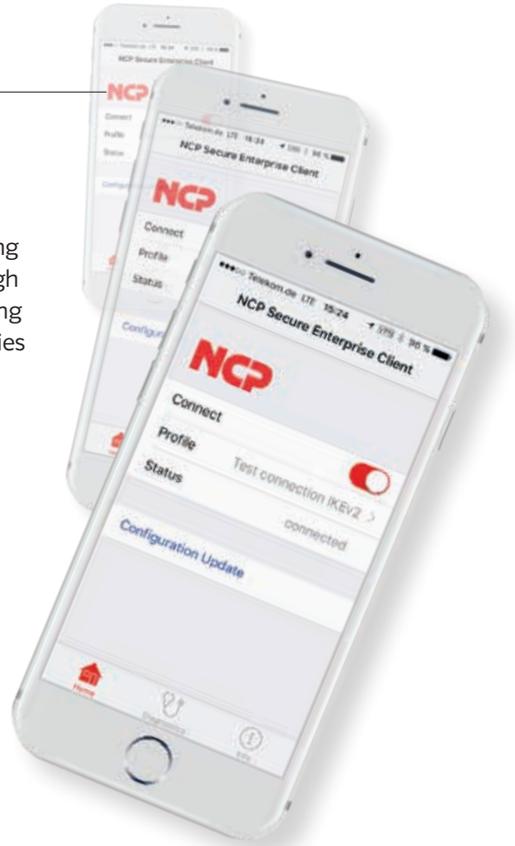
Save time with NCP Remote Access VPN Management

VPN Client Suite

Our clients want a VPN client suite which supports all major operating systems and end devices and which can be managed entirely through one central management system. We are also committed to delivering a solution which generates a high return on investment for companies and is easy to use.

NCP Secure Enterprise Client Suite supports the following operating systems:

- Windows 10, 8.x, 7 and Vista
- Android
- macOS/OS X
- Linux
- iOS
- Windows CE/Mobile



Easy to use with a standardized GUI

Manage all employee devices even in environments with several hundred or thousands of users from one central location:

- reduces the burden on administrators
- creates a clear infrastructure
- saves costs

VPN Client with smart firewall adapts to solve complex scenarios

Access to corporate resources from remote locations covers many different scenarios and privilege levels: Home offices, networks with customers and partners, public hotspots and international networks. NCP Secure Client solves this challenge in a simple and secure way with several helpful features which are seamless for end users and do not risk being configured incorrectly:

- **Friendly Net Detection** - is a device connected to a public, unknown network or is it in a friendly, known network? The firewall rules are adjusted and the VPN tunnel is established accordingly
- **Hotspot Login** - this feature ensures that users always connect securely to a hotspot
- **Home Zone** - the NCP Client's firewall is automatically configured so that users can use local network devices such as printers, but Internet access is only allowed through the VPN tunnel

Benefits of NCP VPN Client Suite:

All NCP Secure Enterprise Client modules can be managed centrally through NCP Secure Enterprise Management which is ideal for enterprise environments.



secure

- IPv6-enabled dynamic personal firewall
- Encryption
- Strong authentication
- Multi-certificate support
- Secure hotspot registration



efficient

- Compatibility with any VPN gateway (IPsec)
- Budget manager for cost control
- Central management
- Custom branding option



ease of use

- Easy-to-use interface (One click)
- Internet Connector with integrated 3G/4G card support
- Automatic, location-dependent adaptation of the firewall rules by the NCP VPN Client
- Automatic media detection



mobile

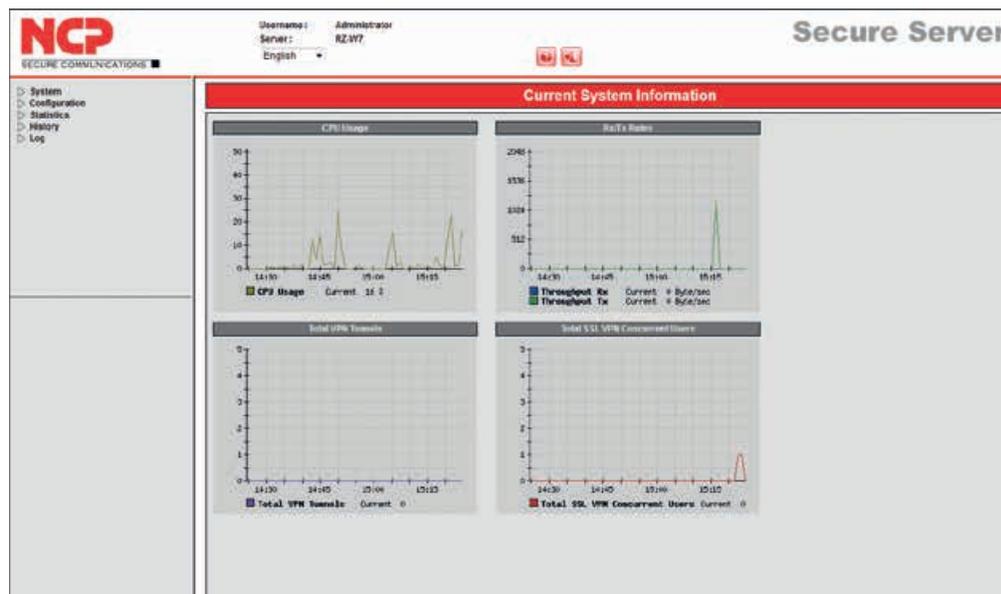
- Wi-Fi management tool
- Seamless roaming: uninterrupted working even when switching network
- Consistently stable VPN connections
- Patented NCP Path Finder technology: Remote access behind firewalls which prevent IPsec-based traffic

VPN Gateway

The hybrid VPN Gateway supports both IPsec and SSL VPN. Customers can decide which VPN technology is most suitable for their requirements. The modular software architecture and high scalability allow companies to start out small and boost performance dynamically when needed, from 1 to more than 10,000 users per system and even more through a High Availability (HA) cluster.

Benefits of NCP VPN Gateway:

- Software-based
- Multi-client capability
- Hybrid support of IPsec and SSL VPN
- Compatibility with any IPsec VPN gateway
- More than 10,000 simultaneous sessions per system
- IP routing and firewall features
- Optimized for branch networking
- Two-factor authentication
- High availability through failsafe and load balancing
- Dynamic policy changes
- NCP VPN Path Finder technology (Fall back IPsec/HTTPS)
- Network Access Control
- Endpoint security (SSL VPN)
- Certificate-based authentication of iOS devices



NCP VPN Gateway is the central platform for external remote access to the company network

NCP VPN Gateway is the central platform for external remote access to the company network. It provides an endpoint for all remote employees (fixed and mobile) as well as remote VPN gateways at branch offices.

NCP VPN Gateway controls and monitors all VPN connections to and from the company network. Companies retain transparency without jeopardizing the integrity of the network at any point in time.

VPN for industrial environments - IIoT / Industry 4.0 / M2M

Highly secure machine communication

Industry 4.0 means the digitalization of all processes along the entire value chain from managing orders to production and also the integration of existing software such as ERP systems within the production network. NCP has developed software components for secure data exchange for several Industry 4.0 and Industrial Internet of Things (IIoT) scenarios.



Added value through central components

The remote gateway can be installed and used directly on systems or machines. The central IIoT gateway receives encrypted data from the remote gateway and sends it on to subsequent systems.

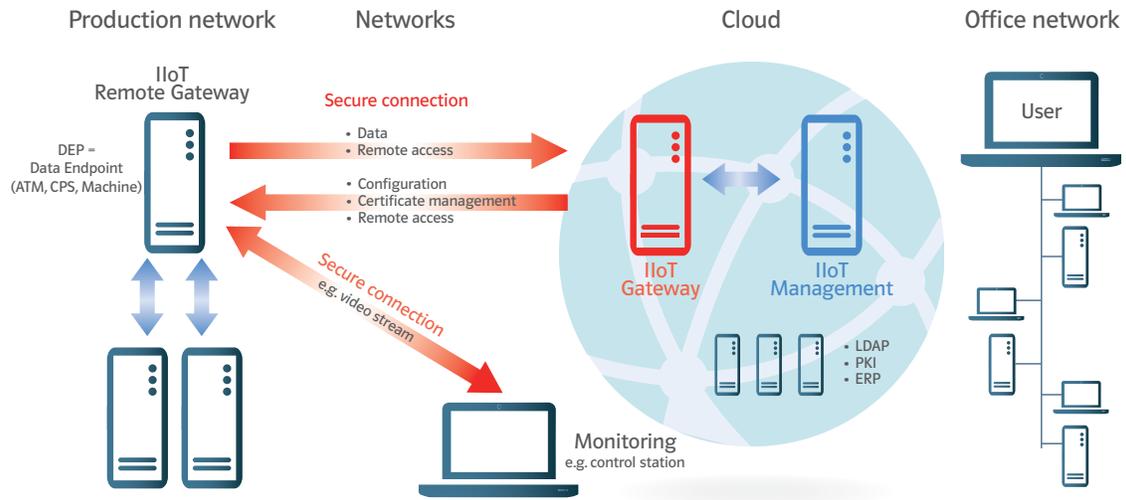
Encrypted connections ensure that the IIoT Remote Gateway and the central IIoT Gateway are securely networked with each other. Additional tunnels can be set up, for example to transmit video streams to a control room. In this way, applications can be clearly separated.

Using several NCP components at strategic points in the infrastructure helps companies to gain control and encrypt data securely.

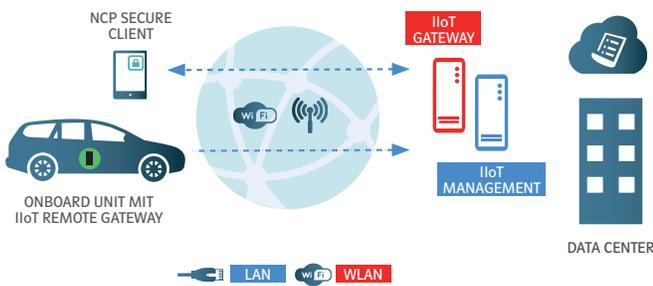
- a central IIoT Gateway
- an IIoT Remote Gateway within the industrial infrastructure installed on a machine or system
- IIoT Management for administration and control

Highlights

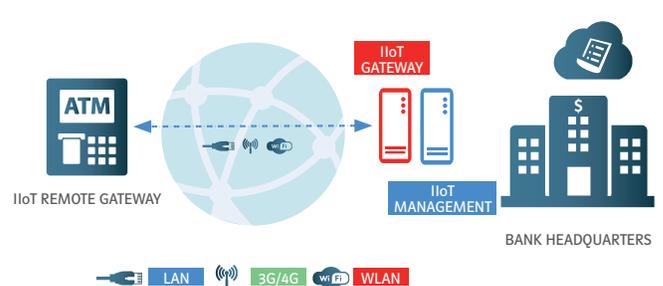
- Central management of machine certificates
- Suite B cryptography; state of the art data encryption and transport
- BSI tested components
- Suitable for Critical Infrastructures (KRITIS)
- Central management of all components
- Platform compliant
- Strong authentication
- Virtualizable



Overview of an IIoT infrastructure

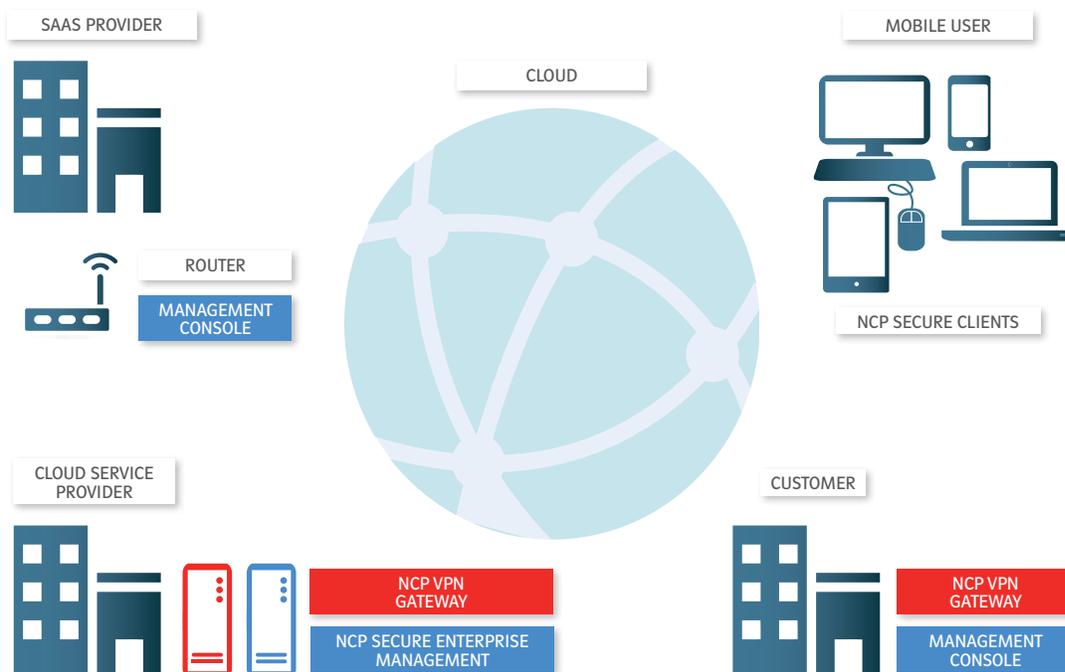


Fleet management - connected cars



ATM - secure banking

VPN "Out of the Cloud"



Secure remote access to the company network from the cloud - "VPN as a Service"

Scenario

Outsourcing VPN operation and management to a service provider.

Solution

The provider has two alternatives:

- Use existing resources in the cloud
- Develop their own VPN infrastructure for customers

Customer benefits

- No investment in hardware, software and expertise needed in-house
- Monthly costs instead of a one-off investment with annual depreciation
- Low management overhead
- Fast implementation

Benefits for SaaS provider

- Long-term customer loyalty
- Software-based virtual VPN solution
- Multi-client capability
- High scalability
- Single point of administration
- Lower operating costs
- Lower HR costs
- Lock client configuration
- Central management of all clients via a single console
- Completely automated



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