

Soluzioni di mobilità per l'azienda

Orlando Arena
Sales Manager, Italy
Security & Mobile Connectivity
Nokia Enterprise Solutions



L'offerta di Nokia Enterprise Solution

Connecting people

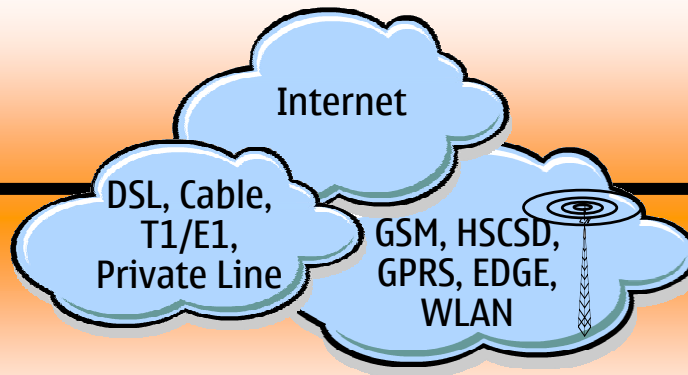
attraverso qualsiasi rete

alle applicazioni e alle informazioni aziendali

Accesso site-to-site



Accesso remoto



Dispositivi mobili ottimizzati per applicazioni in ambito business

Rendere sicure le risorse aziendali in rete e sul dispositivo mobile

Abilitare connessioni sicure

Prodotti gateway di Nokia

**Service Provider/
Large Enterprise**

SSL



500s

IP VPN



500i

Security



IP2250

IP1260



Grande Azienda



100s



100i



IP1220

IP710



**Media Azienda, Uffici
Regionali**



60s



50i



IP380-5/ IP350-5

Piccola Azienda



50s



5i/10i



IP260/ IP265



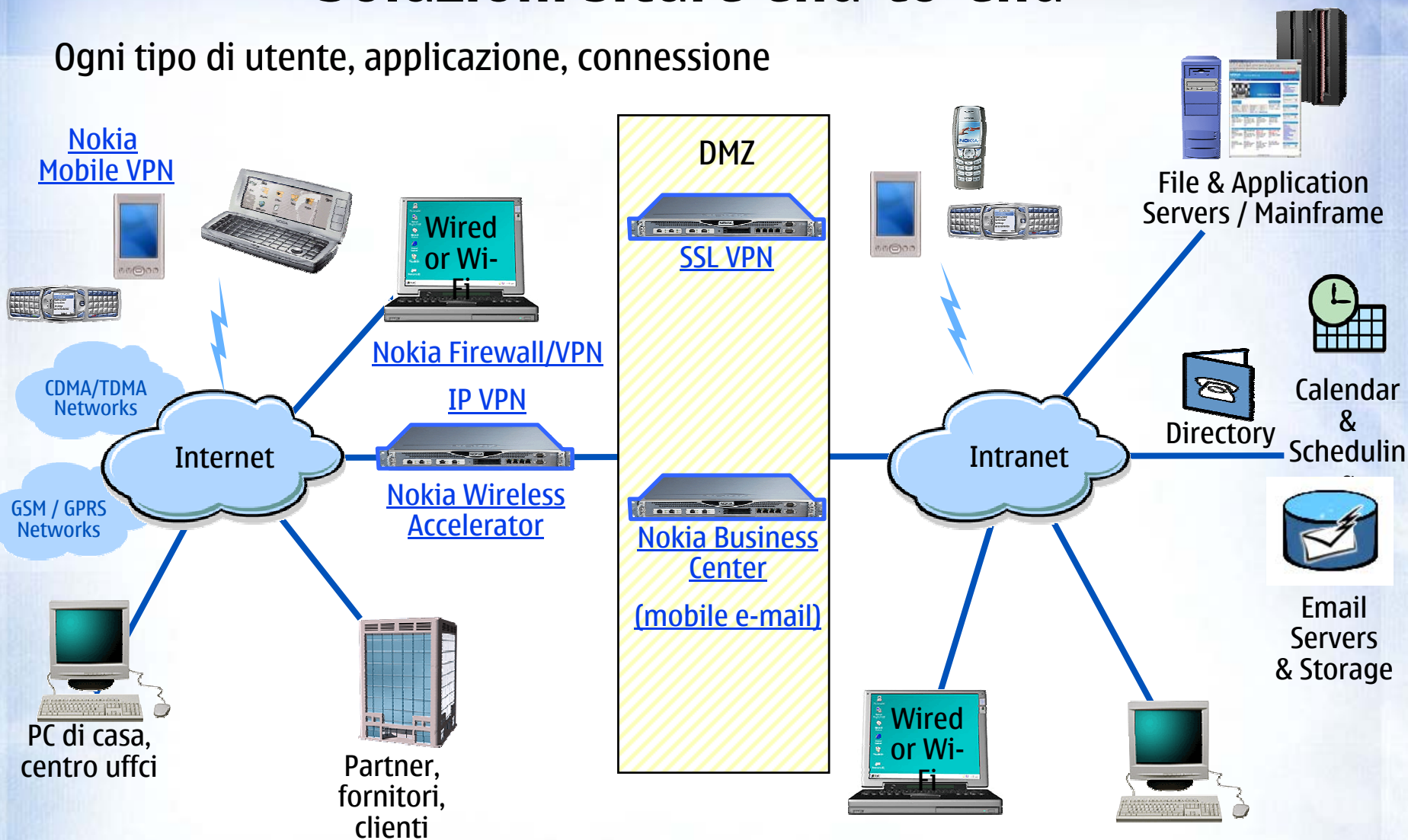
IP130



IP40

Soluzioni sicure end-to-end

Ogni tipo di utente, applicazione, connessione



Nokia Mobile VPN Client Solution

Nokia Mobile VPN Client 3.0 and
Nokia Security Service Manager 3.0

Security is a Key Enterprise Mobility Enabler

- Having a sound security policy and in-place infrastructure is a prerequisite for enterprise mobility
 - Connectivity to corporate networks over wireless is convenient, but security management for mobile devices can be difficult and costly
 - IT departments are faced with the challenge of managing all aspects of remote access connectivity
- Top requirements for deploying enterprise mobility services
 - Strong user authentication
 - End-to-end encryption for any application
 - Centralized management
 - Ease of use

Mobility benefits for Enterprises:

- Increased productivity
- Improved flexibility and work-life balance
- Travel and facilities cost reductions
- Speeding up business processes through mobilized workflows

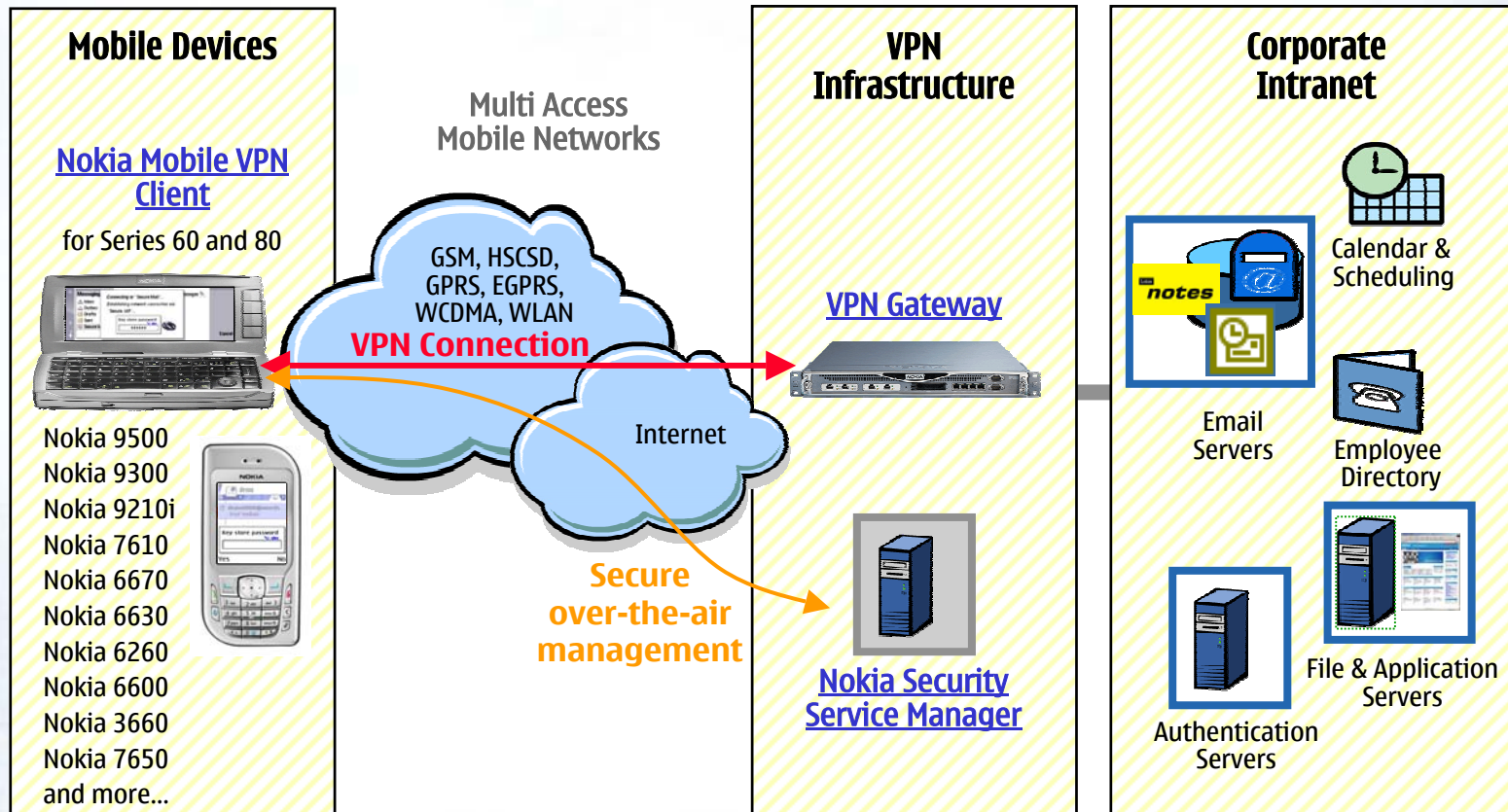
Nokia Mobile VPN Client Solution

- Nokia Mobile VPN **enables users to access corporate intranet services securely from mobile devices**
- Seamless connectivity for any mobile application
- Over-the-air provisioning and management of VPN settings and policies
- Integrates with IT-backend VPN infrastructure and authentication servers
- Nokia Mobile VPN consists of **Nokia Mobile VPN Client** and **Nokia Security Service Manager**



Nokia Mobile VPN Client Solution

Secure access to corporate data



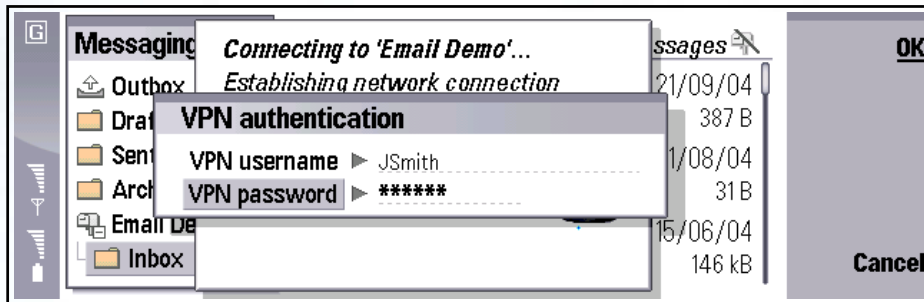
Nokia Mobile VPN Client Solution

- Open standards based **IPSec VPN application** developed by Nokia for Symbian OS
 - **Connects to VPN gateway** providing secure access to corporate data
 - Strong user authentication
 - End-to-end encryption (3DES, AES)
- Support for Symbian based Nokia Series 80 and Series 60 devices
- Nokia Security Service Manager provides **over-the-air management** of VPN for mobile devices
 - Automatic provisioning of VPN settings
 - Automatic policy updates
 - Automatic certificate management

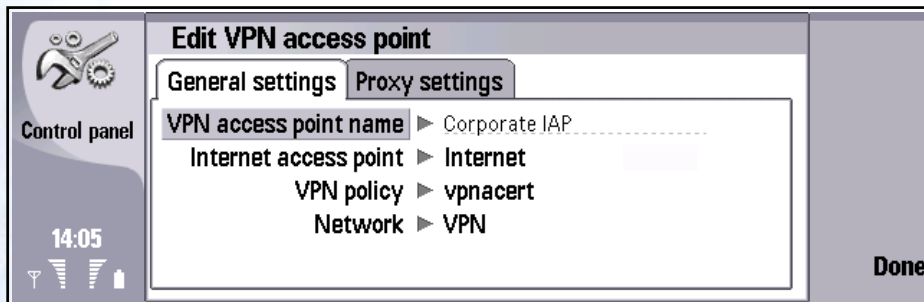


Nokia Mobile VPN for Nokia 9500 Communicator and Nokia 9300

VPN enabling application data security



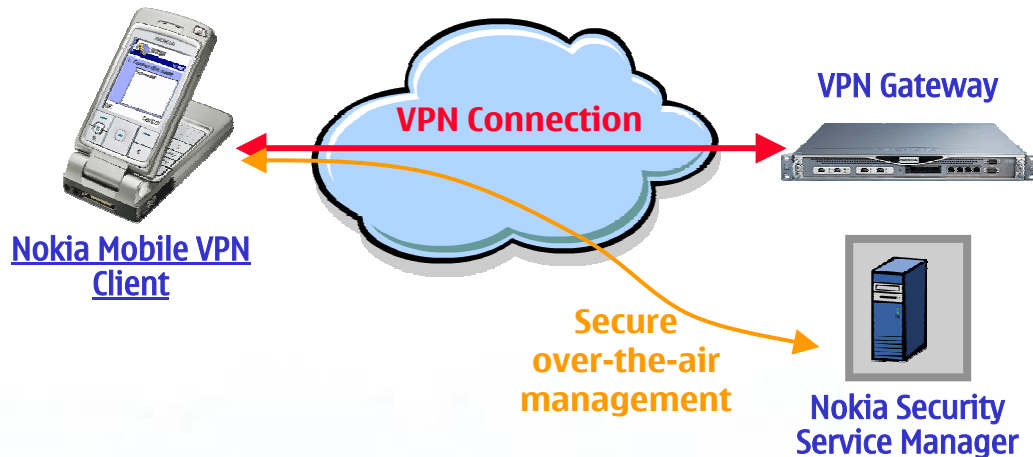
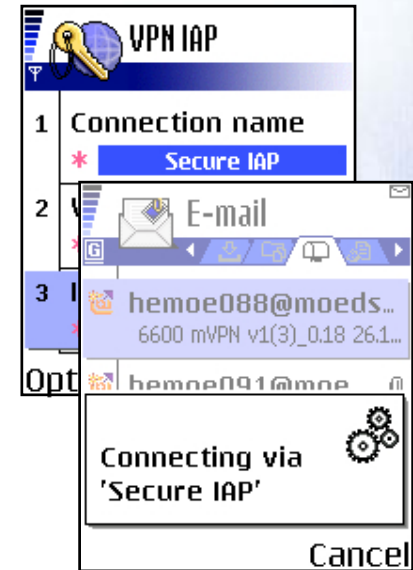
VPN Access Point for secure access



- Nokia Mobile VPN Client v3.0 for Nokia 9500 Communicator and Nokia 9300
- Delivered with the device on sales package CD
- Requires Nokia Security Service Manager for VPN policy deployment
- Provides **seamless connectivity** for any application

Nokia Mobile VPN for Series 60

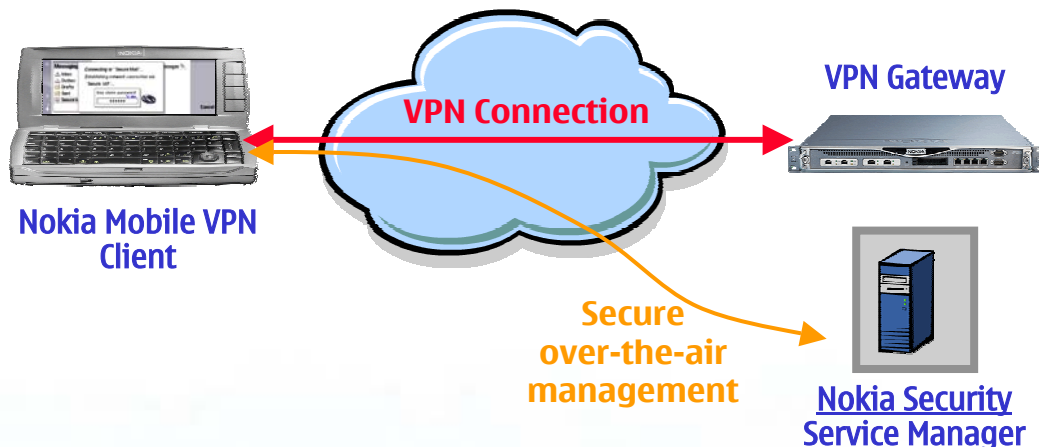
- Nokia Mobile VPN Clients available for Nokia Series 60 business devices
 - Version 3.0 for Nokia 7610, Nokia 6670, Nokia 6630, Nokia 6260, Nokia 6600
 - Version 2.1 for Nokia 7650, Nokia 3650
 - See full list of supported models from www.nokia.com/mobilevpn
- Client software available from Nokia Support site or from device sales package (MMC, CD) depending on the model



Management in Nokia Mobile VPN

Nokia Security Service Manager

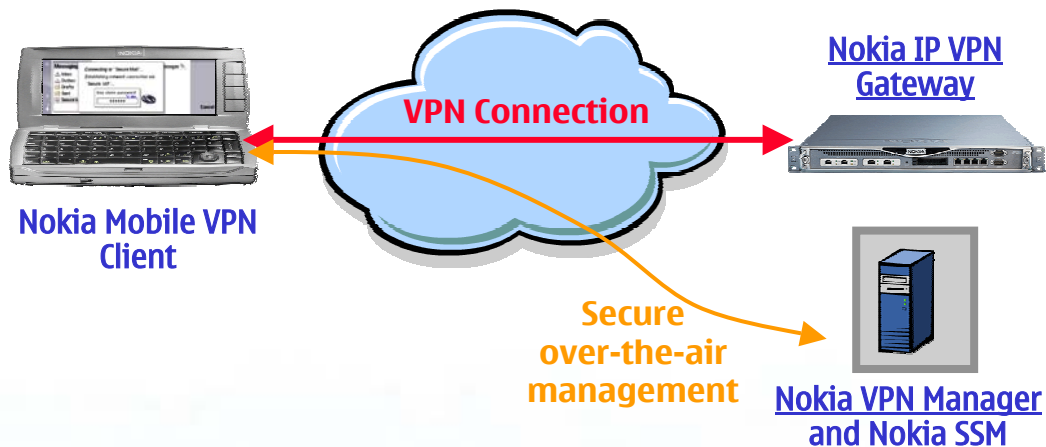
- Key for for rapid, large scale Mobile VPN deployments
- Integrates with VPN policy management systems and external authentication servers
- Enables the creation of trust between the user and the corporate infrastructure
- Provides automatic provisioning of VPN configuration securely to mobile devices
- Provides mobile devices with PKI services
- Runs on on Sun Solaris 8 or 9 and Red Hat Enterprise Linux 3



Nokia IP VPN Solution

Nokia IP VPN Gateways and Nokia IP VPN Manager

- Nokia IP VPN delivers compelling adaptive connectivity infrastructure for secure high-speed broadband and mobile business communications
- Nokia Mobile VPN is integrated with Nokia IP VPN solution providing complete end-to-end connectivity solution
- Nokia IP VPN Gateways are purpose-built, high-performance, fully integrated gateways
- Advanced dynamic connectivity to mobile devices and sites
- Five gateways available for offices of all sizes – 5i, 10i, 50i, 100i and 500i



Compatibility with VPN gateways

- Nokia Mobile VPN interoperation with a VPN backend system is based on the delivery and maintenance of VPN policies to mobile devices
- VPN policies are created in the VPN gateway's management station and delivered to Nokia Security Service Manager
- Nokia SSM converts the policies into Symbian format and delivers them over-the-air to the mobile devices

Compatible VPN gateways include:

- **Nokia IP VPN** Gateways (500i, 100i, 50i, 10i) and Nokia VPN Manager
- **Check Point VPN-1** gateway running on Nokia IP Security Platform and Check Point SmartCenter NG AI
- **Cisco 3000 Concentrators** running software release 4.7
 - **Note:** Software release 4.7 planned to be available from Cisco in April 2005



Complementing Technologies

Nokia Wireless Accelerator

- Nokia Wireless Accelerator speeds up enterprise data downloading to mobile devices and laptops
- Provides an easy way to improve work efficiency and productivity while reducing telecommunications costs
- Accelerated connectivity gives enterprise employees' experience of faster access to corporate data over narrowband wireless and fixed networks
- Uses VPN for security and authentication



Save 40-70% on download time and amount of transferred data with

- Optimized transport and application protocol
- Data compression
- Removed audio, video, banners & animations
- Reduced image resolution

Benefits of Nokia Mobile VPN Client Solution

- **End User**
 - User-transparent security
 - No need for complex application specific security solutions
 - Native applications can be used, not limited to web interface, supports offline usage
 - Automatic security policy updates, no user intervention needed
- **IT Manager**
 - Central management for mobile device security settings
 - Integrates with IT back-end VPN infrastructure and authentication servers
 - Enables mapping mobile device users to existing security policies
- **Business Owner**
 - Scalable & secure infrastructure, which meets the needs of business and the user base

Mobile Connectivity in Enterprises:

- Business users are mobile working from remote locations
- Network access is required beyond just email
- Mobile devices accessing network resources must be managed centrally
- IPSec is well-established for VPN use



NOKIA
CONNECTING PEOPLE