

Nokia Access Mobilizer

Work Goes Mobile

In today's world, enterprises are capitalizing on mobility to gain business advantages. A large part of gaining these advantages is giving an increasing number of employees mobile access to email, calendars, contacts, tasks, and other corporate resources, such as the intranet. The challenge for enterprises is finding a solution that provides secure, cost effective, usable and flexible access for employees regardless of their geographic location or preferred mobile device.

Nokia Access Mobilizer answers this challenge. It provides enterprise employees with secure access to corporate email, attachments, calendars, contacts, tasks, intranet, and HTML-enabled enterprise applications from virtually any browser-enabled device over any wireless network. Nokia Access Mobilizer is available as a secure, integrated, high-performance Nokia appliance, combining the Nokia IPSOTM secure operating system on a purpose-built and designed hardware platform.

Key Benefits

Offer the Full Email Experience

Nokia Access Mobilizer provides users the same rich email experience they get on their desktop computers. Accessing email and attachments and following intranet/Internet links is just as intuitive and simple. Users can read Microsoft Word documents, Rich Text Format (RTF) files, Adobe PDF documents, Microsoft Excel spreadsheets, and Microsoft PowerPoint slides; view images; read news on popular Web sites; reply or forward an email message to colleagues; and have "Sent" items saved for them. Employees can do all of this without worrying about synchronizing their device when they are back in the office.



IT departments can have peace of mind since the information employees are working with is encrypted from end-to-end and it is not stored on the mobile device.

Reach Employees

With Nokia Access Mobilizer, corporate resources are easily accessible from any mobile device with a browser. This includes Wireless Access Protocol and XHTML-enabled mobile phones like Nokia 6800, Nokia Communicator (9210/9290) and Nokia 6600; Internet accessible PDAs like HP iPAQ and Palm Treo; and other special purpose devices like RIM Blackberry and TabletPCs. By supporting browser-equipped devices, enterprises can provide mobile access to many employees.

Nokia Access Mobilizer can also operate on virtually any public or private wireless network (for example, CDMA, GSM, CSD/HCS, GPRS/EGPRS, iMode, and 802.11x/WiFi). Enterprises can provide access to different locations worldwide and each geographic location can select the best devices and networks in their area.

Experience Simple, Secure, Low Cost Deployment and Maintenance

The ease of Nokia Access Mobilizer's installation is comparable to a web server and can be completed in hours. There is no alteration or modification of source content

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required and no client software to deploy. Enterprises can utilize devices already used by employees. Users simply go to the browser on their device of choice and specify the secure URL that is unique to their company. Once they've logged in with their ID and Password, they are fully functional. Users can also choose the best device for each specific business application. With Nokia Access Mobilizer's support for multiple devices per individual user, the user gets the same rich experience on each device. Nokia Access Mobilizer's simple deployment and support for existing devices allows ROI to be achieved immediately.

Extract More Value From Your IT Investments

Nokia Access Mobilizer seamlessly leverages existing IT infrastructure. Employees do not need special purpose devices, and employees can take advantage of new devices as soon as they are introduced. Nokia Access Mobilizer also lowers wireless data airtime charges because it can compress data transfer in real-time at ratios of up to 20:1—with even better performance on content rich document formats such as Microsoft Word.

Get Centralized Enterprise Control

Nokia Access Mobilizer is typically deployed in the corporate network within the DMZ segment of the enterprise firewall, and thus inherits all of the existing network security protection. There is no external hosting of email or any replication of email within the server. All corporate content remains on the origin server in its original format.

How It Works

Nokia Access Mobilizer acts as a secure, intelligent access point between mobile devices and original source content. When a user selects an email or intranet site for viewing, Nokia Access Mobilizer reformats the content on-the-fly for the best possible

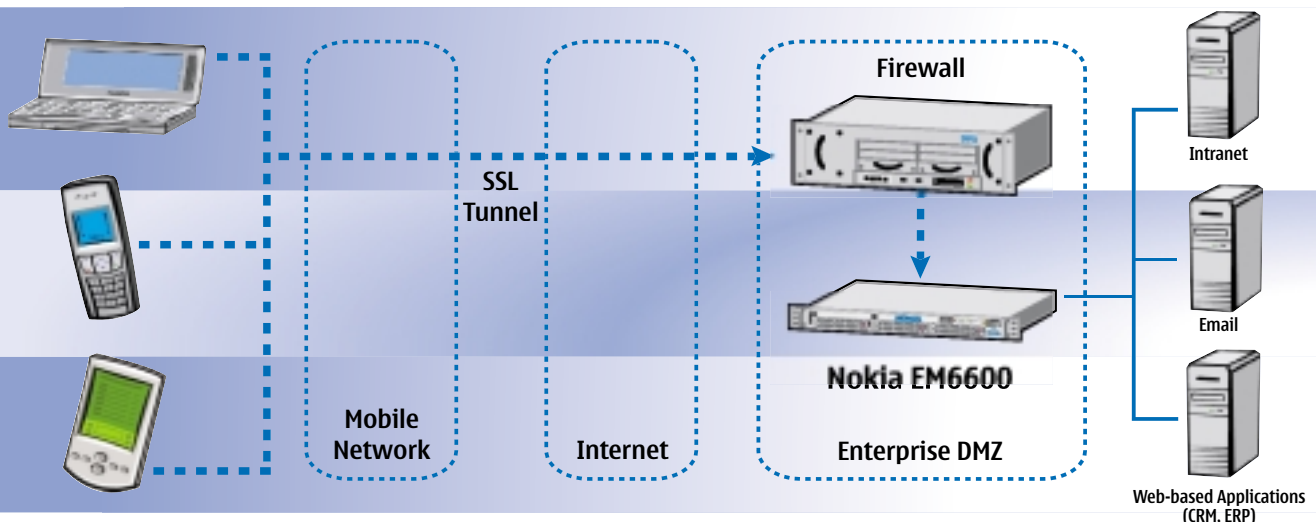
display. This is accomplished by intercepting the request from the client browser, proxying it to the appropriate origin server as if the user was connecting from a full function client, formatting the server's response into a form that the client browser can display, and returning the result to the client.

Using patent-pending technologies in the areas of artificial intelligence, pattern recognition, machine learning, and natural



language processing, Nokia Access Mobilizer delivers real-time access to content based on user-selected preferences that is dynamically optimized to fit the form-factor (and physical limitations) of each device.

How Nokia Access Mobilizer Works



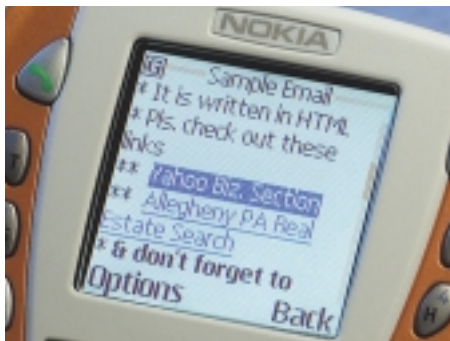
Key Features

Email Access

- Read, compose, reply, forward, and delete email in real time
- Open and read attachments from many common desktop applications retaining rich presentation features of the source materials
- Access links (URLs) to websites and intranet content embedded in emails and attachments
- Connect to Microsoft Exchange Server 5.5 and 2000, Novell GroupWise, IBM Lotus Domino, and other IMAP or POP3 email servers

Document Viewing

- Supports HTML, Microsoft Office (XP and earlier), Adobe PDF, Plain (TXT/ASCII) and Rich Text (RTF), PostScript (EPS), JPEG, GIF, vCard, and more
- Optimized formatting of documents based on the capabilities of the target device, including resizing and changing color depths of images and reformatting multi-column documents to a ticker tape structure
- Optional automatic reprioritization of web page content, placing the main content first
- Optimized conversion and rendering of source images based on the target device screen capabilities
- Optional automatic abbreviation of common words and phrases
- Dynamically learned abbreviations of common words and phrases



- Acronym replacement ("United States" becomes "U.S.")
- Syntactic parsing compresses dates, times, numeric, and monetary data ("November 12, 1987" becomes "11/12/87")

Internet and Intranet Access

- Access enterprise applications (SFA, CRM, and ERP, for example) that are HTML-based
- Access intranet portals and view common document types
- Access public Internet sites such as CNN, Charles Schwab, and Yahoo! without the need to go to their "WAP" sites

Calendar, Contacts, and Tasks Access

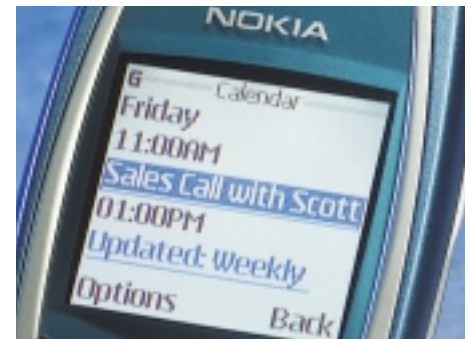
- Connect to Microsoft Exchange Server 2000 and higher
- View appointments and tasks
- View personal and global/shared contact lists and call or email a contact directly from the address book entry
- Take advantage of Exchange Public Folders and access group/shared Calendars, Contacts, and Task folders
- Access the Global Address List (GAL) from any browser-enabled device
- Make a call or send an email to anyone in the GAL or to anyone in your personal contacts on the Exchange Server

Administration

- Centralized, web-based administration
- No mobile device provisioning required
- Comprehensive monitoring and logging
- Batch creation of user accounts
- Users can manage their own preferences
- Software upgrades and rollback
- Available as an appliance for streamlined installation and hardened security

Security

- Supports strong encryption for connections to mobile devices (SSL3.0, WTLS1.0, and TLS 1.0)
- Supports strong encryption of user content, preferences, and cookies (Triple DES)



- Supports common authentication methods and client certificates, including RADIUS, LDAP, NT Domains, Microsoft Active Directory 2000, Kerberos, NIS, and SecurID
- Data is retained on the origin server
- Data is not hosted on or passed through a third party server. Data is not stored on the device eliminating the risk of exposing proprietary information left on misplaced devices.

Nokia First Call—Final Resolution Support

Nokia Access Mobilizer is backed by Nokia world-class First Call—Final Resolution global support. From subscription services that ensure that your software is always up-to-date to flexible comprehensive support

covering the entire Nokia Access Mobilizer appliance, Nokia support offerings are designed to help you extract the maximum value from Nokia Access Mobilizer while minimizing demands on your own in-house resources.

Nokia support lets you leverage the power of a global network of 7x24x365 Technical Assistance Centers, worldwide spares and logistics centers, expert network technicians, and some of the industry's best support technologies, tools and training—it's the Nokia support advantage for your business.

Nokia EM6600 Platform

Fast, secure, and simple deployment is a principal advantage of Nokia EM6600. Nokia IPSO-SX provides a hardened operating

system environment that is optimized for high processing performance and protects the Nokia Access Mobilizer solution from attacks and intrusions. These hardened security advantages include:

- Nokia Access Mobilizer server software pre-loaded; only server configuration is required during installation
- Allows connections to Nokia EM6600 through the serial console and SSH v2 only
- As a dedicated appliance, does not ship with or start up any unused/ unmanaged/ unnecessary IP services

Nokia Access Mobilizer runs on the Nokia EM6600, a fully integrated, high-performance, secure Nokia platform.



Nokia EM6600

- 1 RU chassis
- Dual P4 Intel Xeon processors
- 1GB RAM
- Console port for access
- 1x10/100 Ethernet port
- 1x10/100/1000 Ethernet port
- Dual 36 GB, "hot swap" SCSI drives in hardware RAID-1 configuration
- Width: 16.8 in. / 42.8 cm
- Height: 1.7 in. / 4.4 cm
- Depth: 25.6 in. / 65 cm
- Weight: 24.5 lbs / 11 kg
- Power Requirements: 100-240V (auto switching) 50/60 Hz, 400W, 8A MAX

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