



**Lotus** software

## IBM Lotus Mobile Connect 6.1

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### Highlights

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- ***Connects enterprise resources via a wide selection of IP and non-IP network communication protocols and wireless and wired network connectivity options***
- ***Helps protect sensitive information transmitted over wireless networks***
- ***Allows mobile users to maintain session persistence through seamless network roaming***
- ***Helps reduce mobile transmission costs and lower connection fees through data optimization functionality***
- ***Provides greater choice by supporting multiple client platforms and devices, including Microsoft Windows, Microsoft Windows Mobile, IBM AIX, Linux and Symbian technologies***
- ***Helps boost productivity by synergizing with other powerful collaboration products such as IBM Lotus Sametime, IBM Lotus Notes and Lotus Domino, and IBM WebSphere Portal software***

As wireless broadband services and cellular data services grow in popularity, organizations must provide mobile workers with security-rich access to enterprise information over wireless and wired networks—and from the growing number of wireless hot spots, such as those found in airports, truck stops, coffee shops and hotels.

IBM makes it easier for mobile workers to securely access important information across multiple networks—without interruption—so they can do business and collaborate at any time from virtually anywhere. IBM Lotus® Mobile Connect 6.1 software offers a communications platform for data compression, connection security and session persistence to help drive higher wireless data throughput and help your organization lower costs. The platform supports highly encrypted access over a wide range of networks—helping you protect critical information and keep workers productive.

#### **Provide anytime, anywhere access to collaboration and enterprise applications**

IBM Lotus Mobile Connect software (formerly IBM WebSphere® Everyplace® Connection Manager software) can help you efficiently extend your existing instant messaging (IM) and enterprise applications to mobile workers. And

the software provides your end users with even more collaboration capabilities when used in conjunction with IBM Lotus Sametime® 7.5 software for IM and Web conferencing functions, as well as with IBM WebSphere Portal Version 6, IBM Lotus Notes® 7 and IBM Lotus Expeditor software for improved access to applications. With Lotus Mobile Connect software, you can provide users with highly encrypted, optimized solutions.

A distributed, scalable, multipurpose communications software platform, Lotus Mobile Connect software is designed to help optimize bandwidth and security, while reducing costs. The software provides a standard Transmission Control Protocol/Internet Protocol (TCP/IP) communications interface to help create a mobile virtual private network (VPN) that encrypts data over vulnerable wireless local area network (LAN) and wireless wide area network (WAN) connections, as well as dial-up networks. Lotus Mobile Connect software integrates with many standard IP and non-IP wireless bearer networks, server hardware, device operating systems—including Microsoft® Windows® Mobile V5 device clients—and mobile security protocols. See the last page of this data sheet for the network connections supported by Lotus Mobile Connect software.

### **Boost employee productivity through a more robust network connection**

By supporting standard IP routing—even over non-IP wireless bearer networks—Lotus Mobile Connect software can help ensure unbroken, end-to-end TCP sessions between mobile devices and application servers. If an employee's network connection is interrupted due to roaming or an intermittent network connection, Lotus Mobile Connect software can automatically connect the user to the network—eliminating the need for repeated sign-on attempts. If an interruption occurs during a large file download, Lotus Mobile Connect software resumes the transmission where it left off, rather than requiring the user to repeat the entire process. This helps save valuable time, particularly when the user has to meet tight deadlines.

For employees who need to communicate and collaborate in real time, even when away from the office, Lotus Mobile Connect software helps provide mobile access and a more robust connection. If network connections are interrupted or changed, Lotus Mobile Connect software can detect and select the fastest available network and enable employees to resume instant communications. Through dynamic session profile capabilities, Lotus Mobile Connect software can recognize the type of network over which users are connected and automatically apply

tuning parameters to help achieve optimal performance. By automatically switching network-specific performance settings when roaming occurs, Lotus Mobile Connect software can simplify configuration and enhance seamless roaming capabilities.

### **Reduce the costs of network connections and management**

With a customized network roaming feature, Lotus Mobile Connect software enables mobile users to customize the software to prioritize the network from which they prefer to access data based on important business priorities. For example, mobile workers can determine the most cost-effective network that offers the highest-speed access to data, or the network that provides the most bandwidth available to wirelessly download a particular kind of data type.

Using new, advanced data compression optimization technologies, Lotus Mobile Connect software reduces the amount of data that is transmitted wirelessly—helping you reduce associated data transmission costs. This capability also helps speed up data transmission across a network or multiple networks, resulting in lower connection fees.

### **Protect your investments with flexible and dynamic components**

Lotus Mobile Connect software components are designed to run on multivendor hardware and operating system platforms, helping you protect existing investments and giving you the freedom to choose from different vendors.

#### **Connection Manager component**

The Connection Manager component supports a comprehensive spectrum of communication protocols for both IP and non-IP networks—enabling administrators to create and optimize connections to multiple networks by configuring the Lotus Mobile Connect Mobile Network Connection (MNC) profiles for many combinations of public or private physical networks. Administrators can tune each MNC for optimal performance, compensating for latency, link speed and other characteristics that vary across different communications technologies. Administrators can also configure Lotus Mobile Connect 6.1 software to engage commonly open firewall ports used for Internet browsing—without any firewall changes—helping to speed solution deployment. Lotus Mobile Connect software provides server support for Red Hat Enterprise Linux® V4 Advanced Server (AS) and Enterprise Server (ES) operating systems for Intel® processors, and for the

SUSE Linux ES 9 platform. Expanded support for wireless networks includes Wideband Code Division Multiple Access (WCDMA), Universal Mobile Telecommunications System (UMTS), High Speed Downlink Packet Access (HSDPA) and Motorola Astro.

#### **Distributed Administration/Gatekeeper component**

The Distributed Administration/Gatekeeper component provides a Java® technology-based administrator console to Lotus Mobile Connect software and to wireless resources. The Gatekeeper component simplifies administration of and sets up client configurations for Lotus Mobile Connect software and optional user administration portlets using IBM WebSphere Portal or IBM WebSphere Everyplace Access software. By exporting and importing client configuration files, you can facilitate deployment of client configuration changes over the air. An administrator can set or change client parameter options and distribute the new configuration to the client, which can then import the new configuration and accept the changes.

#### **Mobility Client software**

Mobility Client software runs locally on user devices, manages secure connections for the mobile user and provides a full-function interface to communicate with the Connection Manager component. Mobility Client software also includes a toolkit and application programming interfaces (APIs) to create network-aware applications. Once Mobility Client software authenticates to Lotus Mobile Connect software, it establishes a VPN and securely joins the device to the enterprise intranet.

With the Lotus Mobile Connect 6.1 release, IBM added support for additional devices—including Nokia E60, E61 and E70—to the wide range of devices already supported, including Windows, Windows Mobile, Linux desktop and other Symbian-based clients. Application Check and Autostart features allow you to configure the Mobility Client software to check whether certain programs are running, such as antivirus or personal firewall software, before allowing the connection to start. IBM also improved installation with Quickstart Mobile VPN through the use of the Lotus Mobile Connect VPN wizard, which can configure the client with common parameters that can help you get up and running faster.

#### **Take advantage of the highest industry standard for security certification**

Lotus Mobile Connect software received the Federal Information Processing Standard (FIPS) 140-2 level of certification on IBM AIX® 5.2 software, Trusted Solaris and all Microsoft Windows clients. Developed by U.S. and Canadian governments, FIPS is widely viewed as the most stringent international security standard—and is becoming a sought-after indicator throughout federal, provincial, state and local governments, as well as security-insistent enterprises, to validate the degree of security robustness of enterprise networking products.

#### **Improve productivity and security, and reduce costs**

IBM Lotus Mobile Connect 6.1 software sets the bar higher for enabling security-rich, seamless roaming across multiple types of wireless and wired networks. Through its support for security-rich mobile access, seamless roaming and optimized bandwidth, Lotus Mobile Connect software is designed to help your organization improve employee productivity and reduce network costs for business advantage.

## Network connections supported by Lotus Mobile Connect software

### Cellular networks

- CDMA
- TDMA
- GSM CSD, SMS
- PDC (Japan)
- PHS (Japan)
- CDMA2000, 1XRTT, eVDx
- PCS 1900
- EDGE
- Nextel Wireless
- GPRS (GSM)
- UMTS
- PDC-P (Japan)
- Broadband (802.20)
- CDPD and CS-CDPD
- AMPS and N-AMPS
- iDEN

### W-LAN, W-PAN

- 802.11b
- 802.11a
- 802.11g
- Bluetooth

### Public non-IP radio networks

- DataTAC 4000 (US)
- DataTAC/IP
- DataTAC 5000 (Europe)
- Modacom (Germany)
- DataTAC 6000 (Asia)
- Data TAC/IP
- Mobitex (Worldwide)
- Mobitex/IP (US)

### LAN connections

- Ethernet
- Token Ring

### Internet connections

- Cable Modem
- ADSL/DSL
- ISDN
- ISP

### Private packet-radio networks

- Data Radio
- Motorola Private Radio (DataTAC)

### Satellite networks

- Norcom
- Wireless Matrix

### Dial connections

- DIAL/TCP
- ISDN
- PPP
- PSTIN (POTS)

### SMS-C connections

- SMPP
- SMTP
- SNPP
- UCP

*IBM Lotus Mobile Connect software supports a comprehensive list of network connections.*

### For more information

To learn more about IBM Lotus Mobile Connect software, including system requirements, visit:

[ibm.com/software/sw-lotus/lotus\\_mobile\\_connect](http://ibm.com/software/sw-lotus/lotus_mobile_connect)



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