

## Solution Brief

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**Step Up Your  
Business Success  
with Secure Access  
SSL VPN Mobility**

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## Increase productivity with secure mobile phone and PDA access capabilities for your remote employees, partners, and customers

Mobility is a part of today's non-stop business environment. As mobile devices (phones, PDAs) continue to proliferate, demand to remotely access more than voice to voice or the web is growing as well. Juniper Networks Secure Access SSL VPN appliances provide secure and granular access to virtually all applications from a variety of mobile phones and PDAs, providing benefits to:

- Increase productivity by enabling ubiquitous access to applications and information from anywhere, anytime, and on any mobile phone or PDA
- Increase return-on-investment with a single appliance for all remote access needs – employees, vendors, customers, partners can all access corporate data from any device including laptops, home PCs, kiosks, and mobile devices
- Ensure unparalleled security of corporate applications and resources with mobile access

### The situation

Today's worker often finds that while traveling to their next appointment, they need to multitask to ensure other commitments and duties are staying on track. Before the days of wireless connectivity, traveling employees would often have to devote any time on the road entirely to their next appointment. Connectivity to the office was limited to a phone call or a very slow connection through local phone lines using their company issued PC. Essentially, accessing corporate data while on the road was extremely difficult. IPsec VPNs provided better capabilities for work to be done while away from the office, but connectivity issues and the need for pre-installed clients lead to high support costs and end-user frustration.

### The solution

Wireless connectivity costs have dropped significantly and have enabled everyone to stay connected. Advancements in security, such as SSL VPNs have extended capabilities beyond voice to stay connected with the ability to access virtually any company application and resource anywhere, and at anytime through any device. SSL VPNs have proved to be more cost-effective than IPsec VPNs because the easy deployment and clientless access capabilities have eliminated the complexities of a heavy client and the host of related support challenges.

Today, the benefits extend even further with mobile access because remote users, partners and customers are no longer tied to PCs for Internet access. Internet access is available on phones and PDAs, making it even more convenient to stay connected with a more compact device that is easy to carry virtually anywhere. SSL VPNs make an ideal solution because a simple Internet connection is all that is needed to access company applications and resources securely.

Essentially, today's worker can simply get more done with extended access to their office. IT organizations can rest assured that resources are secured. Access capabilities to specific applications can be defined with Juniper Networks Secure Access SSL VPN based on the user, network connection and endpoint device, including mobile phones and PDAs.

### Increased productivity

With support for a wide range of mobile phones and PDA devices, Juniper Networks Secure Access SSL VPN can provide access to resources for all of your remote employees, partners and customers worldwide, never limiting their access capabilities. Remote employees can access their email and client/server applications from anywhere and at anytime with their mobile phone or PDA if their laptop is unavailable. Partners or customers, who may have a variety of phones and PDA devices, can also easily access your applications and information when they need to help keep business moving forward.

SSL VPNs are the ideal solution for mobile remote access due to the browser based technology to enable secure access to corporate resources. IPsec VPNs, on the other hand, require a heavy, installed client that is resource intensive for memory constrained mobile devices, thus narrowing the variety of supported mobile devices. The SSL VPN application layer technology is also much more resilient to link fading than IPsec VPN network layer technology. This makes SSL VPN an ideal solution for securing access over mobile devices where wireless networks are often used with reduced signal strength. And because Secure Access SSL VPN operates at the application level, granular access to corporate resources from mobile phones and PDAs can be audited in great detail, compared to the binary on or off access with IPsec VPNs.

With Secure Access SSL VPN mobile support, your employees, partners and customers are no longer tied to their corporate laptop or home PC. Pharmaceutical, biomedical, health-care and point of sale industries have already started to reap the productivity benefits of SSL VPN mobile device access.

Secure Access supports a comprehensive list and the latest versions of PDAs, handheld phones, and other mobile devices such as Windows Mobile, Palm, DoCoMo, and Symbian.

Operating System	Example Phones	Example Browser/Applications
Windows Mobile	Dell Axim HP IPAQ Win Mobile OS-based devices	Pocket Internet Explorer (IE), Pocket Windows Terminal Services, Pocket Outlook, Outlook Mobile Access, Pocket Telnet, Corporate applications, Intranets
Palm OS	Treo	Blazer Browser, Web applications, Intranets, Outlook Mobile Access
Symbian	Sony Ericson Nokia	Opera Browser, Web applications, Intranets, Outlook Mobile Access
Phones	iMode eZweb	iMode/Openwave Browser, Web applications, Intranets

### Increased return on investment

SSL VPN for remote access via mobile devices is simple to use and deploy. A single Secure Access appliance can provide one management framework and user experience for all secure remote access needs and devices – home PC, laptop, kiosk and even mobile devices. For administrators, Juniper Networks Secure Access makes it easy to set-up and control cross-platform/cross-device access, saving time and money, unlike other expensive solutions that are known to require dedicated leased lines for just reading email.

Users access applications on their mobile phone or PDA via the same URL and authentication method they use for access on other systems, saving time on training and helpdesk support.

### Unparalleled security

As part of the Juniper Networks Secure Access SSL VPN leading “Provision by Purpose” management capability within the IVE software on each appliance, the Juniper Networks SSL solution provides unparalleled security. Robust security is ensured whether the access point is through an internally networked PC or web enabled wireless mobile phone or PDA by providing access based on the user, network access, and endpoint device being used. Juniper Networks Secure Access supports digital certificate (x.509) based user authentication on the mobile devices and empowers the administrator to render the mobile device useless if it is stolen or lost.

Juniper Networks Secure Access can determine which type of device (home PC, laptop, kiosk, or mobile device/PDA) is accessing the VPN by browser type, client-side certificate, etc. End users access the same URL, regardless of device they are using, and Secure Access will dynamically determine the specific resources that an end-user can access, based on user, network connection, and device type. Administrators can provision access only to those resources that are pertinent given a particular device type.

### The total solution

Juniper Networks Secure Access is the market leader in SSL VPN based on market share data from leading analysts and continues to be a leader in the Gartner Magic Quadrant. The award winning Secure Access appliances provide the most comprehensive solution for remote access, whether your users are remote employees, partners, or customers accessing your applications from a laptop, home PC, kiosk, mobile phone or PDA.



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