Juniper Networks Core Clientless Access

Core access functionality for Juniper Networks SSL VPN appliances

The Juniper Networks Secure Access SSL VPN appliances are built around the premise of cost-effective, secure access that requires no client, no changes to internal servers, and virtually no maintenance. Juniper has delivered on this promise with its core technology, which is available on all Secure Access appliances.

Secure Ubiquitous Access

Juniper's Core Clientless access technology provides a host of benefits. It can be used by anyone with a standard Web browser and an Internet connection, whether they are employees, mobile workers, consultants, business partners or even customers. Core Clientless access facilitates connections from anywhere with an Internet connection, from home to hotel to a customer site. And Core Clientless access is virtually OS-independent, so it provides access from all devices, including corporate PCs, home computers, airport kiosks, and handhelds.

Core Clientless access functionality is unique in the industry because of the variety and complexity of applications supported. Instead of repurposing an existing solution, Core Access uses Juniper's Content Intermediation Engine, which was built from the ground up to support the enterprise applications needed by users including those with complex Web content. The Content Intermediation Engine transforms incoming requests from SSL/HTTPS to the native resource's protocol, then transforms and renders the outgoing request fulfillment. The entire process is dynamic and automatic, and features context-sensitive transformation. This enables Core Clientless Access to seamlessly handle Web-based enterprise applications, Java applications, file shares, access to terminal hosts, as well as XML and Flash-based applications without a client and without a proxy download. This process also enables non-power users to get to the resources that they are authorized to access from any device with an Internet connection, thus dramatically lowering the total cost of ownership and raising productivity.

Using Core Clientless Access, all constituents in the extended enterprise can access commonly used Web-enabled applications like Outlook Web Access, Lotus iNotes Web Access, Oracle, Siebel, WRQ, mySAP, iManage and PeopleSoft with just a Web browser and Internet connection, from any PC running virtually any OS.

Granular Application-Layer Authorization and Auditing

Because the Core Clientless access method operates at the application layer and parses SSL requests to the native protocol, it gives visibility to actual content, not just TCP ports and/or IP addresses. This allows administrators to allow or deny access all the way to the URL, file, and server level, and to log activity to this level as well. This unmatched granularity, in addition to the fact that this access method requires no client download and is OS-independent, makes it ideal for provisioning extranet access for business partners or customers, as well as to contractors or offshore workers.

Core Access Features At-a-Glance

Access from any PC, Anywhere

Truly Clientless Access to Applications and Resources

- Access from any location
- Access from any device with a standard Web browser and Internet connection
- Access to rich Web-enabled applications, Java applications (including socket connections), file shares and terminal hosts, as well as to XML and Flash-based applications

Application-Layer Security

- Application-layer visibility enables extremely granular authorization to the URL, file, and server level.
- Very detailed auditing records including user, application, resource, time and event details
- The Secure Access SSL VPN intermediates all requests, so the end user is never in direct contact with the internal resource.

Lower Cost and Higher Productivity

- Enables enterprises to realize increased productivity from remote/mobile employees, consultants, partners or customers, from anywhere.
- Allows administrators to provision access without deploying a client
- No manual mapping; no forwarding tables to maintain
- Virtually no ongoing support

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