



Internet Productivity Appliances

- **Stateful Firewall Network Security**
- **Virtual Private Networks**
- **Content Filter management**
- **Integrated Proxy , DHCP and DNS Server**
- **Integrated E Mail server**
- **Optional Gateway Virus Scan engine**
- **Secure Web based remote management**
- **Intrusion detection System with intensive logs**

Overview

Today's business environment demands unprecedented levels of availability, performance and security from the Internet. Internet is becoming the life line for today's organizations.

SMB Server appliance from DayBegins is a comprehensive & cost effective Internet Productivity & Security solution for companies that need to leverage the immense power of the Web.

Daybegins SMB Server appliance is easy to use with a simple GUI which ensures that no dedicated Network Engineer is required. Within minutes of powering on, you can create users, configure and define Internet access and mail usage policies and set up VPN resources. These tasks otherwise would need experts to accomplish, complex commands to configure or would require expensive products from different vendors.

The Need

Enhancing productivity from Internet and protecting the internal networks has never been so important. It is difficult to ignore the various research reports & surveys. PWC-CII survey 2002-03 showed that the security in 80% of Indian companies were breached during the last 12 months. IDC has stated that 30-40% of Internet Usage is not work related. FBI's study has stated that 78% of surveyed companies reported abused Internet privileges.

Features

- Secures corporate information by keeping hackers out, blocking viruses and dangerous scripts from pulling out information.
- Advanced Stateful packet inspection Firewall
- Prevents users from accessing non work related sites
- Enhance Web performance & user experience through proxy cache
- Provides inexpensive branch office and Mobile user connectivity using VPN over public network
- Scalable E mail solution – saves licensing costs
- Gateway Virus scanning (optional) keeps viruses at bay
- Web based Easy to Use – single graphical user interface
- Secure Web based Remote Administration using 128 bit SSL encryption, a protection against password sniffing
- Extensive customizable reports i.e. Mail usage, Net usage, Security reports etc.
- Provides bandwidth utilization report
- Supports up to 250 users (Refer Model)
- Tested & deployed by leading institutions worldwide

Advantages

- **Cost effective and faster ROI**
- **Integrated all in one server**
- **User friendly Interface**
- **No annual licensing expenditure**
- **Easy Upgradability**

Functional Specifications

Firewall Security

- ◆ Stateful Packet Inspection with multiple rule sets
- ◆ Powerful Network address translation (NAT) Engine
- ◆ Security from attacks like Denial of Service, Spoofing, Smurf & Trojans
- ◆ Intensive logs on attacks
- ◆ Port blocking & DMZ support

Firewall Filtering

- ◆ User defined filtering & rule definition
- ◆ Disables source routed packets
- ◆ Prevents or allows IP tunneling

Mail Server

- ◆ Online & Offline E Mail Server for both leased and Dial Up
- ◆ Message size limit for Users
- ◆ Definable mail transmission durations
- ◆ E Mail redirection facility
- ◆ Facility to block unwanted attachments or file extensions
- ◆ Checks Mail Spam's
- ◆ Quarantine zone for mails not cleaned by Anti Virus

Optional Gateway Virus Scanner

- ◆ SMB Server supports optional Gateway Virus scan engine for mails

Internet Browsing Policies & Proxy

- ◆ Provision for user authentication
- ◆ Multiple User groups with different access permissions
- ◆ Time slot allocation for specific browsing groups
- ◆ URL filtering based upon defined Keywords

- ◆ Ability to selectively restrict viewing of image, audio & movie files
- ◆ Java/ActiveX/Cookie/Proxy Blocking
- ◆ High performance proxy cache of 200 MB

Intrusion Detection System

- ◆ Intrusion checked against popular attacks like DOS, DNS, SMTP, ICMP, Bad Traffic

Logs & Reports

- ◆ Real time status
 - Network traffic at the gateway in MB/sec
 - Down time in minutes per day for a week
 - % Internet access requests met by proxy server
 - Bandwidth consumption report for various services
 - Last intrusion attempt
 - Mails in queue
 - Memory usage graph
- ◆ Reports
 - Periodic Mail usage report (from who to whom, size, date)
 - Mail event report –administrative reporting
 - Periodic Net usage report
 - Top sites visited
 - Top Internet bandwidth Users
 - Key string search on usage (Like Jobs & Chat)
 - Security report on suspicious activities on the Network
 - Ability to export the reports to programs like Microsoft Excel

Maintenance

- ◆ Backup & Restore
 - Automatic at defined periodic intervals
 - Mail & Configuration backup on any server on Network i.e. Windows or ftp or any administrative server
- ◆ Upgrade
 - Periodic Upgrade to keep SMB Server up to date
- ◆ Diagnostics
 - Host of utilities for Network diagnostics
- ◆ Browser based Remote Administration using SSH encryption

Virtual Private Network

- ◆ Branch office and Mobile user VPN access
- ◆ Supports PPTP and IP sec standards
- ◆ IPSec access with IKE key management system
 - User authentication methods X509 certificate or Pre-shared keys
 - Encryption Method 3DES (168 bit) RC4 encryption algorithm
 - Others ISAKMP, ESP, AH, HMAC, MD5, SHA-1, 3DES

Hardware Specification

- ◆ 3 10/100BaseT Ethernet ports for LAN/ WAN/ DMZ
- ◆ Serial Port
- ◆ LED Indications

Operating Environment

- ◆ Operating Temperature: 0 - 40°C
- ◆ Operating Humidity: 5-90% (non-condensing)

| Models | Construction | Processor | RAM (MB) | HDD |
|---------|--------------|-------------------------|----------|-------|
| 500 SE | Appliance | 300 MHz Geode Processor | 64 | 20 GB |
| 500 SME | Appliance | 300 MHz Geode Processor | 128 | 20 GB |
| 1100 ME | Rack Mount | PIII 1 GHz | 512 | 40 GB |

