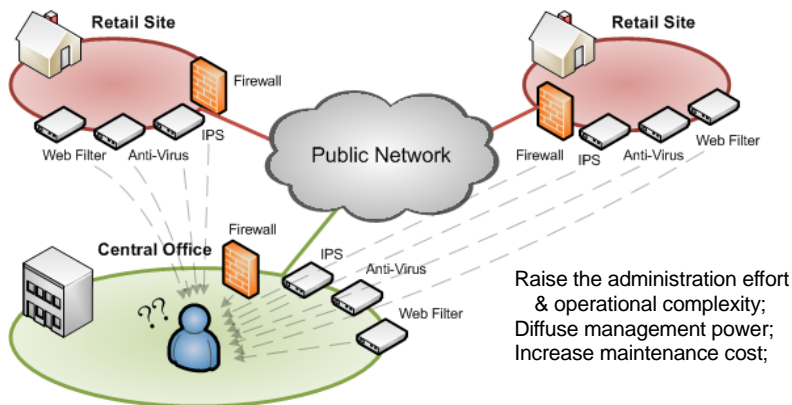


2011-04-30 Cell Managed IPS Solution for Enterprise Network Security Protection

Background

With Internet networks & applications becoming popular nowadays, network security becomes more important and complex. Various network attacks appear for years, enterprises have ended up with all security devices such as firewalls, IPS/IDS device, anti-virus, and etc had been deployed in their networks. They have their own different maintenance control, signature updates, logs and so forth. There is a need for the business to bring in an all-in-one security center/appliance for resolving this challenge.

When unmanaged security devices are deployed throughout the network, the enterprise can achieve the security protection in the network edges but with different devices management to raise the administration effort and operational complexity, diffuse the management power, and increase the maintenance cost.

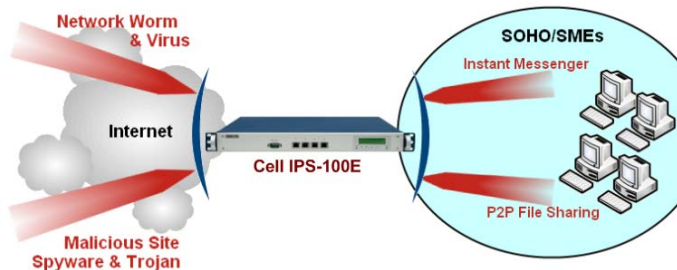


Cell Managed IPS Solution

It is a challenge for network administrator, as a host of security devices throughout network of the enterprise and that security device can be monitored and managed by 24x7 without complex administration. In order to resolve it, Cell Technology provides a comprehensive managed IPS solution to the service providers/corporations suffering this network security problem.

Cell IPS-100E Key Features :

Cell IPS provides a specialized & layered threat protection for small & medium enterprises (SME), and web application to service providers. Cell IPS network security appliance, combines different types of network security devices into single box to offer a complete set of network security and management features.



Executive Summary

Region of Customers:

Asia Pacific

Industry:

Small, Medium-sized, Large Enterprises, (SME) or Multi-National Companies.

Business Challenge:

With the rapid growth Internet network and service, the enterprise faces great challenges for their internal network access, security protection and their web application control. The improper website surfing access and IMP2P applications usage may increase the high risk of the virus-infection, corporate information leakage, and lower the productivity. Unmanaged security device may solve the problem, but the device cause high administration effort, and maintenance cost.

Solution:

Cell Managed IPS solution can be deployed at the enterprise network to provide a complete network security protection for anti-virus, intrusion attacks, Internet & web application management, IMP2P applications control. At the same time, it can be managed by any service providers or SOC to offer security monitoring service remotely.

Business Value:

- Prevent and protect any confidential information leakage due to misuse of web applications.
- Fast deployment without complex network re-configuration
- Simple and reliable all-in-one security protection appliance
- Optimize the Internet usage, completely manage all applications remotely
- Centralized management & remote monitoring to offer secure security services



Cell IPS
Intrusion Prevention System



Cell iCMS-IPS
Intelligent Cell Management System
For Network Security

- **Gateway Anti-Virus (AV) Detection & Blocking**
 - Provide packet-based virus & spyware scanning in different protocols
 - Support compression file scanning, file decoding, and provides a first-line virus & spyware protection.
- **Intrusion Detection & Prevention**
 - Provide packet-based intrusion scanning, and efficiently stop the improper invasion of network.
 - Support to detect the network port scanning and flooding protection.
- **Web Content Filtering**
 - Provide website hijacking prevention to the network at the edge.
 - Support to stop the malicious web access from the internal network and filter the malicious content of web page.
- **Complete & Remote Security Management**
 - Support 3-tier network architecture for remote security service monitoring, IPS & IM/P2P activity management, comprehensive security logs storage or analysis, and reporting services.
 - Complete managed IPS service by service providers, MSSP, NOC/SOC or any local network maintenance center.
 - Complete managed by our centralized management platform, Cell NetsVision, iCMS-IPS.
 - Supports remote manage or control up-to-date Internet/web application access, detect the common IM activity, P2P streaming, file sharing, social website (e.g.: Facebook, twitter, etc) activity, network game activity and etc.
 - Support a simple & user friendly Web-based GUI to perform comprehensive device configuration and operation. Provide multi-function dashboard of security service and all-round monitoring for data traffic status, and device operation status locally or remotely.

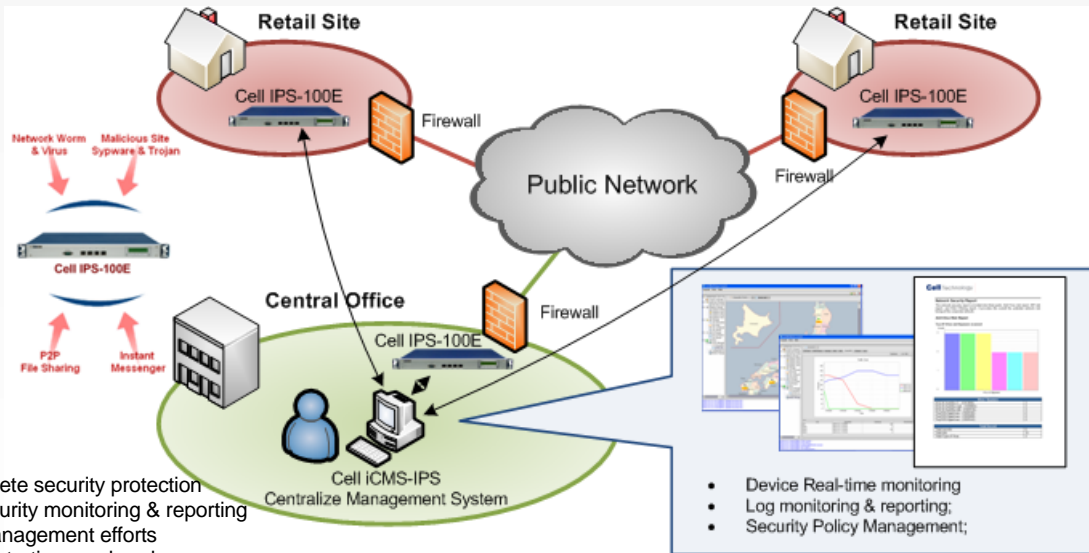
Cell Managed IPS Services :

For the managed IPS services, Cell IPS is supported by Cell NetsVision, iCMS-IPS centralized management platform that can provide a complete and comprehensive security management features and services to protect the remote corporate customer networks.

Cell IPS converges the bulk of security devices into a single and simple appliance. It provides a complete network security feature at the edge of the network. It simplifies the network infrastructure, and makes the network manageable. The security alert notification system supports to send the email and syslog notification to the network administrator for quick response from the network attack.

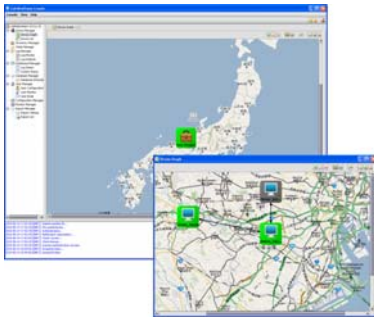
With the managed IPS service, Cell IPS reports all the security alerts, device operation events, and real-time traffic statistics to iCMS-IPS in the service provider centre or NOC/SOC. The network operator or administrator of the centre makes use of information in iCMS-IPS platform to block any critical attacks, monitor and summarize the security report on the customer host, monitor the operation and performance of the networks, analysis the customer Internet application usage & web activity, and improve the problem-solving process.

Application



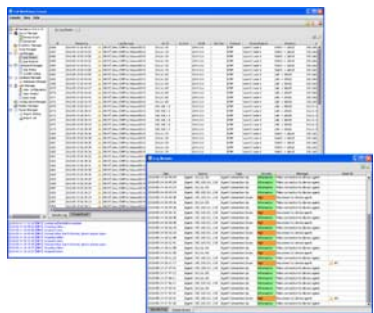
Cell iCMS-IPS Centralized Management

Cell NetsVision, iCMS, intelligent Cell Management System is a completed & centralized management system for all Cell product portfolios. Cell iCMS-IPS, with embedded and unique Cell iPlugin of IPS, it can support to manage Cell IPS devices remotely and centrally, visualize the security status, provide a historical alert storage, and generate the analytic report.



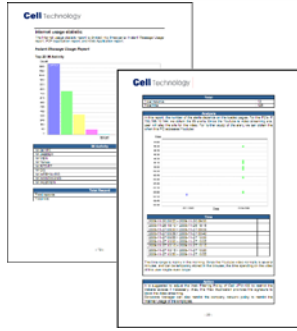
Geographical Device Map

Cell iCMS-IPS provides device map to visualize network topology, and physical location with a single view. All the monitored IPS devices have to report the alert event, perform the device status, and notify the present in the map.



Security Log/Event Analysis

Cell iCMS-IPS consolidates and centralizes all the security logs and status events from the monitored IPS devices over the network. It provides a global view of the security levels condition of the network, virus/spyware trends, network invasion outbreak, and remote host security analysis.



Analytic Reporting

Based on the user requirement and the logs received, Cell iCMS- IPS can generate the analytic report on the security statistic and diagnosis purpose, Internet usage on the network management purpose, such as Social Website Activity report, P2P file sharing report, Video Streaming report, etc.

Key Benefits to Customer

- **Provide a Complete Set of Security Service**

Cell IPS provides a complete set of the network gateway security protection at the customer host. The embedded Gateway Anti-Virus engine, Intrusion Prevention engine, Web application engine, and Web Content Filtering engine provide an all-rounded the first-line security to the customer against multi-type network virus & spyware, hacker & DoS attack, improper invasion, and malicious site.

- **Enhance Network Resource Utilization**

Cell IPS provides web application management and restriction features. It can inhibit the use of the bandwidth eater software such as P2P application, and protect the network resource against the improper Internet usage & website access in the corporate network. High efficient of the network and productivity of the company can be maintained.

- **Prevent Information Leakage**

Cell IPS provides the efficient management of Instant Messaging (IM) and Social Website access. It can reduce the risk of the information leakage from Internet and protect the company asset.

- **Simplify Network & Security Management**

With a separate management of the every point of the network infrastructure, Cell Managed IPS solution provides a centralize security device management, inventory records, centralize fault management of all the IPS devices from remote sites over the Internet network. It can reduce the administration effort, converged the management power, and lower the maintenance cost.

- **Enhance Problem Solving Process by Centralized Management**

Cell iCMS- IPS management platform provides a complete set of security monitoring and managing system to analysis security logs and generate forensic report and network usage summary. Through the reports, the network administrator can monitor traffic usage & security condition on every WAN connection in the network infrastructure, and help to performance the corporate Internet usage policy. The embedded the help-desk problem tracking system is used to perform the problem reporting, security analyzing & diagnosis. The problem solving process is enhanced.

About Cell Technology

Cell Technology headquartered at Hong Kong SAR, a network & security technology provider specializes in design, develop and deliver innovative and intelligent IP packet processing platform into software and hardware appliances. Cell product solutions including Cell IPS, Janus, TMS, NetsVision and NetsAccess address the business needs that optimize the IP network performance, secure the network security and resiliency, and manage the quality of IP services. For more information, please visit www.cell-technology.net.