D-Link

DSA-3110

Access concentrator

The VPN Access Concentrator is a network access VPN platform that manages intelligent AAA (authentication, authorization and accounting) for all network users. This device provides your network with comprehensive functions, including accounting and traffic statistics output to external collector by using NetFlow technology.

Network Access Security

The VPN Access Concentrator provides you a comfortable and secure way to provide entrusted computers access to your LAN/WAN. The system guarantees that only registered users are able to use network resources. Used VPN PPTP connection technology provides a security way of user's authorization and protected remote access.

AAA Function Execution

The DSA-3110 performs for you authentication, authorization and accounting (AAA), three basic issues that are encountered frequently in many network services. Examples of these services are dial in access to Internet, electronic commerce, Internet printing, and Mobile IP. Authentication acts to verify an identity so authorization can be granted to access a resource. Accounting collects resource consumption data for the purposes of trend analysis, and capacity planning, billing, auditing, and cost allocation.

Can Be Used on Commercial Network

The DSA-3110 can also be installed in a commercial network providing services to public. Authentication is needed to make sure that the user of the service is who he claims to be. This is quite important, because you don't want that someone else is using the service you have paid for. After the user has been authenticated we need a way to ensure that the user is authorized to do the things he is requesting. For example, if you are a normal user you don't have the permissions to access all the files in a file system. Usually authorization is provided by using access control lists or policies. Resource accounting outputs information of the network usage with NetFlow technology for billing, capacity planning and other purposes.

Features

- *7 10/100Mbps Fast Ethernet ports*
- *4 independently configurable ports*
- *Manages up to 250 user account data with internal user account database*
- *Supports up to 50 on-line users*
- *ID/Password based authentication and authorization*
- *RADIUS protocol and internal authentication mechanism support*
- *Statistics export with NetFlow protocol*
- *MPPE encryption*

- *Open base Linux OS*
- *CLI (command line of Linux OS)*
- *Built-in vi and nano editor*
- *Support WEB-based management, SSH, Telnet,console connection*
- *Multiple options of Linux kernel*

DSA-3110
Technical Specifications

Provided functions

Manages up to 250 user account data with internal user account database

Supports up to 50 on-line users

Connection protocol: PPTP

ID/Password based authentication and authorization

RADIUS protocol and internal authentication mechanism support
- Only one of these can be selected at a time

Management interface access

Console mode administration interface via serial console port RS-232

NAT support

Static IP, DHCP client on ports

MPPE encryption support

Hardware
CPU
Intel XScale

Memory
SDRAM 64 MB

Ports
- 7 10/100Mbps Fast Ethernet ports
- 4 independently configurable ports (can be configured as LAN, WAN or statistics output port)
- Console port: RS-232 (default set to 115200, n, 8, 1, no flow control)

LED Indicators
- Power
- Fast Ethernet ports 1 - 7 LEDs

Physical & Environmental
Power Supply
 External power adapter

Power Input
DC 5V/3A

Dimensions
 239 x 156 x 30 mm

Weight
 1,2 kg

Chassis material
Steel

Operating Temperature
 0°- 40° C

Operating Temperature
 -20° - 70° C

Humidity
 5% to 95% non-condensing

EMI
- CE
- FCC Class A
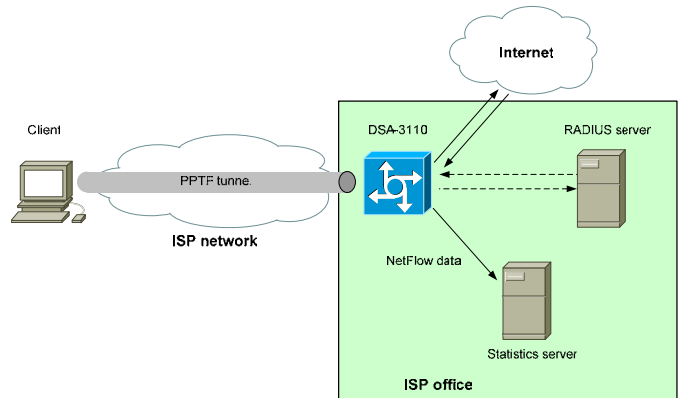
Example of using DSA-3110 in ISP networks
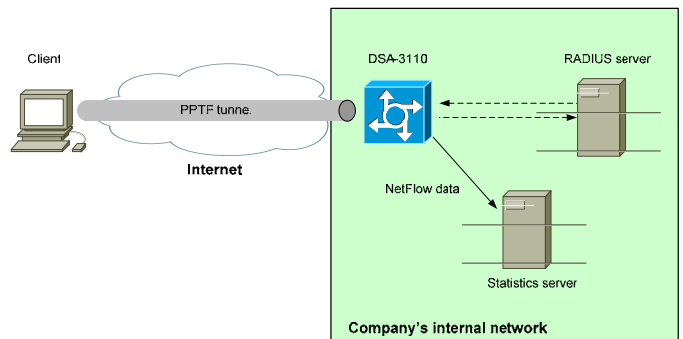
Example of using DSA-3110 in company's internal network

Ordering Information

DSA-3110   Access concentrator