## What is UserGate

UserGate is a complex solution for sharing Internet access in your local area network, traffic calculations, and protecting your LAN against external threats. UserGate is an effective alternative to costly software and hardware products that can be used in small- and mid-sized companies.

Why UserGate

Most companies rely on the Internet in their business, and sooner or later they start looking for the best ways to connect their local network to the world-wide web. The easiest
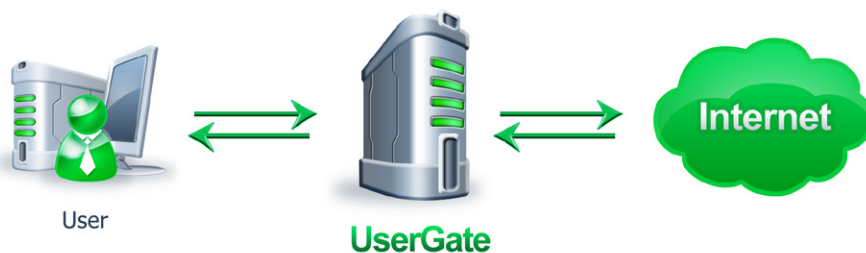
way is to buy a router — a peripheral device that serves as an interface between a local area network and the Internet. Routers are fairly inexpensive and easy to use, and it only takes an hour for an experienced user to configure one. However, ask yourself several questions before you buy a router. Will my LAN be well-protected? How will I know how much traffic each computer uses over a certain period of time? How can I detect traffic abuse and block unwanted web resources? What should I do if I need to prioritize different users' requests and allow access to high-priority requests first? A simple router will never let you handle these tasks. You may need to purchase a more expensive model that will help manage some of the above.

UserGate is a software routing solution that can be used as an alternative to conventional hardware routers. The program is a Windows-based system that is installed on a computer connected to an Internet-provider on one

side and your company's LAN on the other side. With UserGate, a simple workstation can be used as a server, which is especially important for companies with limited budgets. Moreover, UserGate's functions are just as diverse as those of an expensive hardware router, while the total cost of the program and a Windows PC is much lower.

How it works

UserGate's work is based on user accounts and their applicable policies. The program denies Internet access to LAN users whose accounts are not included in UserGate. This lets administrators control traffic flow and trace web pages visited by employees. Numerous policies can be used to grant or restrict access to different web resources, set the maximum values for incoming and outgoing traffic, and keep a detailed traffic account for each user.

Key features:

- Dual antivirus protection
- Advanced firewall
- Advanced NAT driver
- VPN connection support
- Internet access management
- URL filtering
- Application filtering
- Speed limitations and traffic quotas
- Traffic monitoring and reporting
- Web statistics client
- Billing system
- Proxy servers for multiple protocols
- Multiple ISPs support
- Traffic manager
- Web caching
- IP telephony support
- DHCP server support
- Routing
- Resource publishing
- Remote administration
- Advanced security
- User-friendly interface
- Detailed statistics
- One year URL filtering for free
- No special hardware required
- Reasonable price

Internet Access Management **1**

UserGate allows Internet access to users and lets administrators apply a wide variety of policies to control traffic. Local clients can establish Internet connection either via the NAT engine, or via a proxy server for high-level protocols, such as HTTP-protocol (HTTP-proxy).
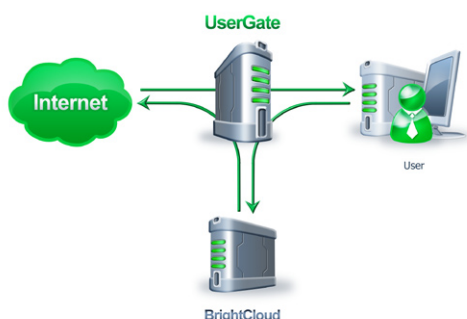
Internet access. UserGate is a point of interface between a local area network and the Internet. It allows Internet access to multiple users under a single external IP-address. With UserGate, any type of Internet connection can be used — DSL, ISDN, dial-up, etc.

Proxy-servers. You can use UserGate as a proxy-server for application protocols, such as HTTP, FTP, SOCKS, POP3, SMTP, SPI and H.323. Proxy servers may work as «transparent» proxies, meaning that administrators do not need to change client-side access configuration. Administrator can also select network interfaces working under a proxy server.
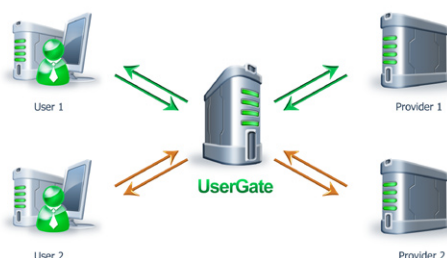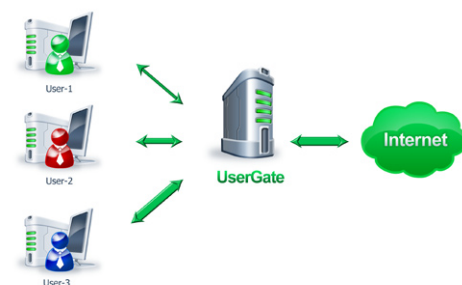

Multiple ISPs support. UserGate enables you to use several Internet Service Providers (ISPs). With this feature, users will be automatically switched to a secondary connection if the primary connection is broken. Besides, administrators can make different providers available for different user groups.

Traffic manager. This feature lets administrators configure bandwidth limits and set request processing priorities based on policies.

Web caching. You can increase channel performance and reduce bandwidth usage by retrieving content saved from previous requests.

IP telephony support. UserGate supports SIP and H.323 protocols and can be used as a VoIP gate for both software and hardware IP-telephony applications.

Information Security **2**

UserGate applies a multidimensional approach to local area network security and features the most advanced methods to combat all known Internet-based threats, such as viruses, malware, and hacker intrusions.

Antivirus protection. "Which antivirus application?" — is a frequently asked question at security web-forums. To better meet the needs of our customers, we have partnered with two of the most technologically advanced antivirus vendors — Kaspersky and Panda. Customers can choose the antivirus module they trust more or activate both for the ultimate protection. UserGate's antivirus protection can be also used in combination

with a third antivirus product installed on employee workstations for enhanced file system security.
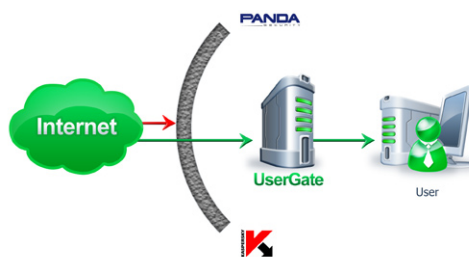
Firewall. The firewall integrated into UserGate allows an administrator to protect the local network from hacker attacks while securely providing access to internal LAN services, such as mail server, web server or VPN server.

Advanced NAT driver. UserGate 5 features a new advanced version of the NAT driver. The routing mode now allows system administrators to create local subnetworks and configure package exchanges among them. For advanced communication and data sharing, the new version supports IP telephony protocols and network resource publishing.
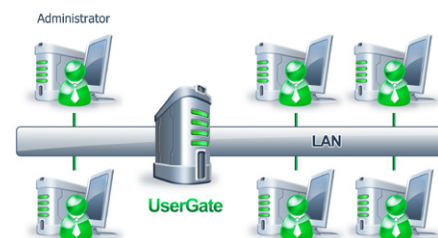
VPN connection support. VPN — virtual private network — is basically a tunnel for remote secure Internet access to database, FTP or mail servers. The nature of VPN allows you to protect traffic of any intranet and extranet information systems, audio and video conferences, and e-commerce systems. UserGate allows VPN traffic via PPTP and L2TP protocols for connections between a VPN server and VPN clients in the local network. Moreover,


you can use the UserGate network resources publishing feature to make a VPN server in the local network remotely accessible.

3 Access Control and Statistics

UserGate has a set of features that allow administrators to apply traffic rules to individual users or user groups.

Users and groups. All UserGate functions and work in general are based on the "user" notion. A user may be represented by a single machine or a group of machines with common parameters, such as an IP or MAC address, login/password, etc. There are total 8 parameters in UserGate that can be applied for user authorization. UserGate will grant Internet access to authorized users only.
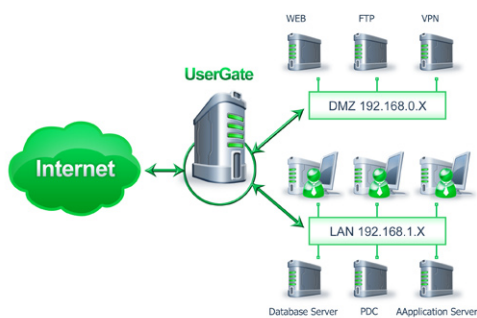
Categorized URL filtering. UserGate has an integrated BrightCloud URL filtering tool that contains information about more than 450 million URLs divided into 70 different categories. An administrator can choose to deny access to the entire categories, individual web pages or segments of words in URL addresses.

Application filtering. Application filtering module integrated into UserGate is a tool to control application traffic generated by machines in a local network. A free client component must be installed on all LAN computers to enable this feature. The client component connects to UserGate Proxy & Firewall and denies the use of Internet-based applications (such as ICQ or MSN messengers) on local machines depending on administrator-defined policies.
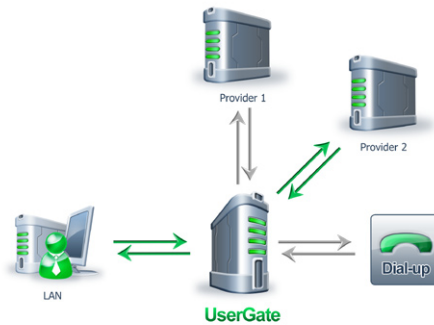
Speed limitations and traffic quotas. UserGate features an advanced utility that enables administrators to set speed limitations and traffic quotas for users and user groups. Traffic restrictions can be applied according to certain parameters, such as a specific network adapter, protocol (e.g. TCP or UDP), source or destination IP address, and port.

Traffic monitoring and reporting. UserGate enables administrators to monitor user requests and apply access restrictions to certain resources based on the detailed traffic statistics.
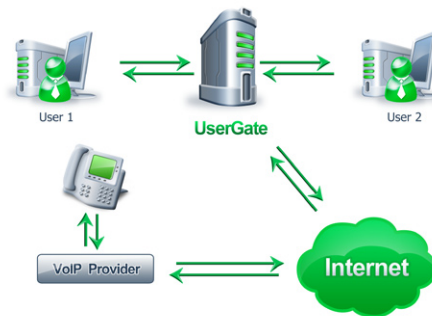
Web statistics client. Traffic statistics are available from any part of the world over the Internet via the UserGate Web Statistics feature. The statistics are presented in graphs and charts for better readability. The amount of information available depends on the access level of the viewer (user, manager or administrator).

Billing system. A built-in billing system performs automatic calculations of Internet expenses for each user based on time and/or traffic consumed. The administrator can introduce tariffs to the system, and apply them to users or user groups. Different tariffs can be applied depending on the time of the day, day of the week, or URL address.
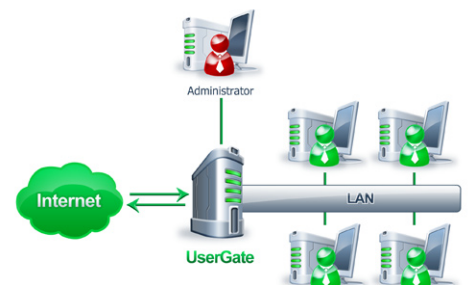
4 Network Administration

UserGate has several features that can make routine tasks easier for system administrators.

DHCP server support. A built-in DHCP server automatically assigns IP addresses to local machines and other devices plugged into a local network. The DHCP server updates the dynamic addressing chart based on the policies and restrictions defined by administrators every time a new device is connected to or disconnected from the LAN.

Routing. If the machine where you run UserGate is connected to several local networks, you can use your UserGate as a router to transmit packages between these LANs in both directions.

Resource publishing. UserGate firewall may be used to access certain intranet resources, such as Web, FTP, VPN, or mail servers, from the outside. To make this happen, all your requests to an external IP port of a local computer where UserGate is running will be redirected to an internal server in accordance with an applicable policy.

Remote administration. You can access your UserGate remotely over a LAN or the Internet from any computer where the UserGate Administrator Console is installed.

Partners

Entensys Corporation cooperates with the leading information security and antivirus software developers, as well as vendor of URL filtering modules, both in and outside Russia. We integrate our partners' developments into Entensys product to give them more advanced features and broaden their application domain.

Kaspersky Lab is one of the top five information security system vendors in the world. Through cooperation with Kaspersky Lab, Entensys integrated Kaspersky Antivirus client into the UserGate to enable virus scanning between the Internet and a LAN.

Panda Security is one of the world's best developers of IT-security products used by millions of customers in more than 200 countries. To satisfy our clients' requests, we integrated Panda's antivirus module into our product.

BrightCloud is a renowned content filtering applications developer that employs the latest advances in intellectual categorization. BrightCloud's URL filtering module integrated into the UserGate enables an administrator to deny users access to individual URL addresses or entire categories of web sites.

About Entensys

Entensys Corporation is a security software vendor. Since 2001 the company develops complex solutions for Internet connection sharing and network security. The list of corporation's clientele includes small- and mid-sized companies, governmental and administrative agencies, educational institutions, companies with extensive affiliations and many other kinds of enterprises that chose Entensys UserGate software.

Testimonials

■ The first impression of UserGate is quite good and things are going well on the vessel where we have installed it on. UserGate is doing all the thing the way we want, mainly stopping account when the fund is up.

Jens Jónsson,
General Manager,
Brimrún Iceland

■ UserGate has really been a boon. It has provided us with the all the necessary security while accessing the internet. UserGate has opened the world of secure surfing for me and my company without any additional tension against the virus attacks or the lurking hackers.

Samir Dhingra,
President
Netspider Infotech India LTD

■ It was rather important for us to find a solution that would accelerate key applications and content, and protect our staff. UserGate provides additional power to our existing security infrastructure, it enables us to maximize user productivity and minimize risks to our company

Jeffrey McCarthy,
Manager,
C-TRADE, Inc.

■ We were looking for a low maintenance way of allowing our staff to access only the sites they needed to use. UserGate came out tops in both simplicity of use and features. It's perfect for small companies.

Dermot Mc Colgan,
General Manager
Traynors Motor Store, UK

■ UserGate is so easy to setup and manage — all the features suit us perfectly!

Vesa Sohlberg,
Marketing Department Manager,
Softa SuperStore Finland

■ UserGate Proxy & Firewall is one of the best solutions that's I've dealt with.
In brief I can say that UserGate is effective, reliable and handy even for non-expert. This is the best solution with best price.

Eng. Jalal Albirakdar,
Technical Manager
ISC - Intelligent Solutions Center

Your UserGate Distributor: