

**Client:**  
City of Lenexa

**Web site:**  
<http://www.ci.lenexa.ks.us>

## 8e6 Solutions:



R3000 Internet Filter

*"I am ecstatic about the entire solution. It is simply the best I've seen in the industry."*

**Michael Lawrence**  
CISO & Network Administrator  
City of Lenexa

## City of Lenexa Uses 8e6's R3000 Hardware Appliance to Stop Spyware Threats

### Profile

Located in Johnson County, Kansas and a suburb of Kansas City, Missouri, the City of Lenexa is a good old-fashioned city with modern ideas. Lenexa (derived from Na-Nex-Se, the wife of Shawnee Chief Blackhoof) is quickly developing with tremendous growth both in commercial and residential development. New schools are being built every year to accommodate the rising population due to companies such as Applebees moving their headquarters to the city. In addition, Lenexa has been recognized as one of the Top Ten cities in the United States by Digital Cities, which examines how city governments have progressed in adopting and utilizing digital technologies to improve the delivery of services to their citizens.

### Challenge

With over 400 Internet users, the City of Lenexa needed an Internet filtering solution that would not only reduce legal liability from inappropriate Web content in the workplace, but would also improve employee productivity. Most importantly, however, Lenexa needed a filtering solution that would stop employees from accidentally visiting sites that harbored spyware and other malware.

Before installing a hardware filtering solution, the city was utilizing a software solution. Michael Lawrence, CISO and Network Administrator, says, "Although the software filter's authentication was decent enough, the solution itself was slowing down our network traffic and creating bottlenecks, since the filtered traffic had to pass through a proxy before reaching the user." After their contract with the software filter was up, Mr. Lawrence and his team turned to a hardware solution for faster speed and lower maintenance. However, they discovered that this leading provider's authentication would only check the user's identity every hour, rather than keeping a constant watch. "In a shared user environment such as ours," Mr. Lawrence says, "there are a number of users who are continually moving around and using random computers. We needed a solution that would authenticate accurately each and every time a new user logged on but also be fail-safe, fast, and require low maintenance."

### Solutions

After evaluating several filtering solutions, Lenexa chose to install 8e6 Technologies' Internet filtering and reporting appliances. "We liked the fact that 8e6 is an appliance," says Mr. Lawrence. "I can see what pages a user goes to or tries to go to and what they get from those pages, including spyware and malware. With a software filter, I could only see partial URLs on the filter, and couldn't tell from most reports which sites were blocked or allowed."

8e6's R3000 Internet Filter is a dedicated network appliance that manages end user access to Internet-based content. As a hardware filter, the R3000 utilizes "Pass-by Technology", which means the filter is installed outside the flow of network traffic to "watch" rather than "stop and check" Web site requests. If the R3000 detects a request for a blocked site or IM network, data is then blocked from returning to the end-user.

In addition, the city is utilizing the R3000's Authentication feature. Stored on the network



## Enterprise Reporter

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server, the authenticator runs as soon as an employee logs into the city’s network. Because it runs locally, it provides non-repudiation and gets a user’s information real-time from the workstation. Therefore, no matter where that user goes on the network, he or she is being authenticated. “The Authentication reinforces the safe and secure work environment and provides good accountability,” says Mr. Lawrence. “It prevents employees from accidentally or purposefully accessing inappropriate material, including bugs that can bring the network down.”

Secure and effective authentication is essential for reports on employee Internet use. “I need to be in a position of certainty when I create a report for a supervisor,” says Mr. Lawrence. “Anything that warrants severe sanctions needs to have clear proof. The R3000’s methodology is accurate in reporting what any user is doing at any given time on the Internet.”

Finally, 8e6’s Enterprise Reporter allows administrators to understand the access trends, what “problem areas” need increased attention, where threats originate and what adjustments are needed. Specifically, the Enterprise Reporter’s detailed forensic reports provide several unique criteria that help organizations build compelling reports. “User intent” is gauged by documenting the full length URLs visited, as well as the “keywords” used within a search engine text box. The Enterprise Reporter tracks this behavior so the administrator has the documentation necessary to validate and remediate the problem. “The Reporter has cut the time I used to spend creating manual reports for managers by more than half,” says Mr. Lawrence. “

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## About 8e6 Technologies

8e6 Technologies is a security company dedicated to Internet filtering and reporting. We are the only Web filtering company that uses a unique “pass-by technology” on a highly scalable appliance. Our standalone reporting appliance is easy to use and provides extremely detailed information, faster than any other product on the market. 8e6 helps protect its customers from all internal threats including spyware, malware, and Internet abuse leading to data loss and liability—while preventing bandwidth misuse. By preventing improper use of network resources and employee time, 8e6 also increases productivity and ensures regulatory compliance. Our standalone security solution achieves a dramatic reduction in the cost of hardware, subscriptions, maintenance, and support, and produces a substantially lower total cost of ownership. A Web filtering pioneer since 1995, the company maintains headquarters in Orange, California, with offices in Taipei and Beijing, as well as a network of channel partners worldwide. For more information, please call 888.786.7999 or visit [www.8e6.com](http://www.8e6.com).