

**Organization**

National Institute of
Technology, Rourkela

Industry

Education



“I was impressed at the ease of configuration of Cyberoam. A person with little or no product knowledge can configure it quite easily. It also proved to be an excellent content filtering solution reducing the load on bandwidth considerably.”

Dr. Sarat Kumar Patra
(Asst. Prof Dept of Ele
and Comm, NIT Rourkela
& Prof In-Charge -
Campus Networking)

National Institute of Technology, Rourkela

Cyberoam: An Extremely Powerful User Friendly UTM

Background

National Institute of Technology, Rourkela (NIT) is a deemed university and one of the premier national level institutions for technical education in India. It is a Government of India undertaking. The main objective of the institute is to produce quality Engineers and Scientists in Graduate and Post-Graduate levels in the fields of Engineering and Science. The institute is famous for its research, consultancy and development activities too.

Challenge

“We provide high-speed Internet connectivity to our students and hence were searching for a solution that was good at content filtering,” said Dr. Sarat Kumar Patra, Assistant Professor with the Department of Electronics & Communications. Since Dr Patra shoulders the additional responsibility of campus networking, he wanted a solution that was easy to manage and would fit into the existing network seamlessly.

NIT faced a problem of non-academic surfing, gaming, shopping, instant messaging and mails due to unrestricted surfing. Moreover, unrestricted surfing is resource hungry and it leaned heavily on the institute's resources. To allay this situation, Dr. Patra was looking for a powerful and flexible solution that would cater to the institute's need for a high-end proxy and content filtering.

He needed the solution to be in a perpetual state of readiness with automated updates and minimum human intervention.

Cyberoam Solution

NIT chose Cyberoam. Dr. Patra found the configuration of the solution so easy, that he did it himself. The solution was virtually plug-and-play. It integrated seamlessly with the existing infrastructure.

Cyberoam's content filtering module proved to be very effective. Students' unrestricted, non-academic surfing was curbed and the internal anomalous behavioral patterns were easily identified. Content filtering through Cyberoam's WebCAT Engine enabled NIT to block unwanted, obnoxious and potentially embarrassing sites.

In Dr. Patra's words, “Content filtering in Cyberoam, I found it to be excellent. It also helps us track sites that are being used by different users or a group of users. We have reduced the load on our bandwidth too. I am satisfied with the product and have recommended Cyberoam to others.”

Cyberoam's granular and timely reporting offered quick and effective identification of user behavior patterns on the network. This led to a safe and secure networking environment within NIT while promoting responsible end-user behavior.

“Cyberoam provides excellent post-sales support. I give a call, and I get the required support.”

Cyberoam proved to be a highly automated solution. Dr. Patra configured it to deliver security alerts directly to his personal mail's inbox. The need to constantly monitor the solution for non-confirming patterns was taken care of, leaving Dr. Patra free to pursue his academic responsibilities. In case of any alert, he could access Cyberoam using its web console, remotely.

The NIT authorities could rest assured as the complete solution, scanning engine and the database, update themselves automatically and so the system is perpetually fighting fit with the least amount of human intervention. This reduces the burden on Dr. Patra.

The institute was also impressed with the prompt support provided by Cyberoam. “Cyberoam provides excellent post-sales support. I give a call, and I get the required support,” says Dr. Sarat Kumar Patra.

Dr. Patra also plans to use the institute's LDAP server to authenticate users for Cyberoam. This will provide an identity-based content filtering mechanism, which in turn will help him to create and implement user-based granular policies providing him with superior control over the network.