

Sir Padampat Singhania University Depends on Cyberoam for Identity Based Internet Security



Case Study



Organization

Sir Padampat Singhania University

Country

India, Asia

Industry/ Vertical

Education



The SPSU Challenge

Since Internet is a major resource for the organization Mr. Arjun Singh, the Head ITS at SPSU, wanted to take all possible measures to ensure continuous and safe Internet connectivity for everyone in the university.

He observed the following concerns:

Unsolicited Mails Clogging the Inboxes and Bandwidth

SPSU's network received a considerable amount of Spam. These unwanted and junk mails not only increased the load on the server but also many a times led to bandwidth crisis. Hence, they wanted a solution that could safeguard the network from such unwanted Emails.

Reckless Internet Surfing

Being a university, SPSU was concerned about how Internet was being used by the students, faculties and management. Mr. Singh said, "It was necessary for us to provide the students with access to the Internet, as and how they need it. At the same time taking care of their safety from unsuitable content such as related to violence, porn, etc. was a major anxiety for us". Moreover, Internet was used by the staff, hence blocking websites useful for some and not for others was also not feasible.

The Cyberoam Solution

SPSU considered and had demos of many solutions like D-Link and Fortinet, but they were not satisfied. After having a demo of Cyberoam they found all the answers to their questions. They purchased One (1) CR1000ia appliance and deployed it, at the university in Gateway Mode.

After deploying Cyberoam they found the following benefits:

Strong Network Perimeter Defense

Cyberoam's ICSA and Checkmark certified Firewall provides granular access controls over Internet traffic and network resources. It protects the organization from DoS attacks and IP Spoofing attacks. Its Fusion technology provides administrators the facility to create policies for multiple features through a single interface.

Corporate Profile

Sir Padampat Singhania University (SPSU), a private residential university located in Udaipur, was established in 2007. The university offers graduate, post graduate and doctoral degree programs in engineering. Its pioneering batch of students graduated in 2011.

Internet acts as a reserve providing solutions to everyone's queries. The students, faculties and management in the university depend on Internet for research, communication, academic usages and learning purposes.



Continuous and safe Internet connectivity was a subject of anxiety for us.

Mr. Arjun Singh

Head ITS
Sir Padampat Singhania University

Cyberoam's ICSA and Checkmark certified firewall provides granular access controls over Internet traffic and the network resources.

No More Unsolicited Mails

Cyberoam's Check Mark certified Anti-Spam solution provides Spam detection rate of over 98% and false positive rate of 1 in 1 million. This ensures that legitimate mails reach safely to their destined inboxes while unsolicited mails are kept at bay leading to minimal business loss. In addition, the Recurrent Pattern Detection (RPD) technology offers real-time protection from the very first time a new outbreak emerges. It also offers the facility of managing Emails with message, attachment size and subject line thereby minimizing exposure to threats and legal implications. Emails can also be blocked based on their size and content.

After deploying Cyberoam in our network, Mr. Singh said, "Thanks to Cyberoam, Spam traffic in our network has reduced to a great extent".

Security Based on Identity

Cyberoam UTM is equipped with a unique identity-based security solution that enables SPSU to know "Who is doing What?" in the network, thus protecting against insider threats. Mr. Singh used Cyberoam's Active Directory (AD) and LDAP facility to include the SPSU users under Cyberoam's scrutiny. This feature greatly helps him to create policies for controlling the activities based on identity of the users rather than IP Addresses. Thus it helps him to know what is going on in the network without matching users' IP Addresses with their names manually.

Mr. Singh said, "Cyberoam's identity-based security is one of the best features, helping us to control all our users effortlessly".

Control over Irresponsible Surfing

Cyberoam's Web Filtering solution provides 82+ URL categories enabling the university to prevent the students from accessing restricted websites and keep them focused on their studies. Cyberoam's Web and Application Filter allows Mr. Singh to create user and group based web and application access policies. Each student and staff is given only that much access as is required for his/her task and the rest of the inappropriate websites are kept at bay. Cyberoam's identity-based filtering also allows the creating of schedules and assigning of Internet access policies, surfing quota, time limits and bandwidth restrictions to individual users based on certain criteria.

Mr. Singh said, "With the help of Cyberoam we are now able to manage the access rights of everyone easily."

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To Conclude

Mr. Singh said, "Cyberoam is an excellent product solving one of our major issues of identity based security and web filtering. I would recommend it to all in search of a security solution."

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