GAJSHIELD
Progressive Security

BABASAHEB BHIMRAO AMBEDKAR UNIVERSITY

INDUSTRY: Education

HEAD QUARTERED: Lucknow

PRODUCT: Next Generation Firewall (GS 1060dc)

GajShield secures Babasaheb Bhimrao Ambedkar University with Context based Next Generation Firewall solution

BACKGROUND

In order to actualize Dr Ambedkar's vision of an egalitarian and enlightened society, Babasaheb Bhimrao Ambedkar University was established on 10th Jan 1996. In essence, all the academic, research, and out-reach programmes of BBAU, including the University's Act and Statutes, are informed by Dr. Ambedkar's basic philosophy of making education the tool for a holistic socio-cultural transformation that first addresses the aspirations of the most deprived section of our society. Babasaheb Bhimrao Ambedkar University, Lucknow is a fairly well-spread, student-centric Institute, with more than 4800 students enrolled in a broad range of graduate, post-graduate & doctorate programs including several professional schools. The 51 new innovative and contemporary courses started in the fall of 2013 amply reflect a world-class hub for education and innovation, featuring the latest in classroom teaching technology, an Industrial Courtyard for collaborative work with the top regional and national institutes and research labs.

THE CHALLENGE

BBAU is an education center comprising of 9 schools and for a vast educational complex like that, it is imperative to provide security restrictions in order to ensure that the students enrolled in the organization do not indulge in malpractices. Besides content filtering, there were issues relating to slow browsing and slow download speed, etc. which needed to be catered to as well.

KEY CHALLENGES:

- Slow browsing
- No security restriction
- Slow download speed

KEY SOLUTIONS:

- Firewall
- Data leak prevention
- BYOD
- Restrictive internet access
- IPS Filtering
- URL and Application Filtering

"We are very content with the new security solutions incorporated. The network crashes, unmanaged network and slow download speed problems have been resolved."
- Mr. Dhirendra Pandey (HOD) at BBAU

SOLUTION

An educational institute with a consistently growing network needs to be catered to appropriate security measures from time to time. Responsible web practices should be implemented and one cannot simply compromise security measures like firewalls. Besides, the network needs to be continuously monitored for loopholes and restrictive access to the internet should be facilitated. Keeping all these security requirements in mind, in addition to the network issues faced by the client, Gajshield incorporated the GS1060dc.The Gajshield GS1060dc appliance is targeted at high speed internet security device for enterprises. The GS1060dc appliance manages gigabit traffic with content aware data context platform providing extensive security targeted towards educational institutions like BBAU.

Most organizations do not have enterprise grade security and are limited with basic security applications. GajShield 'dc series' provides hardware optimized security software which enables to provide security features like Data Leak Prevention without compromising on security or throughputs. With its intelligent understanding of application data, GajShield 'dc Series' identifies applications regardless of port, protocol, encryption, or evasive tactic. This will help BBAU to block unwanted applications and websites not desirable to be accessed by students in the institutions. It provides advanced visibility and policy control over actual applications, not just ports. It also prevents any misuse of application by limiting the use of applications. GS1060dc is an ideal solution to the key requirement of the client. It implements restrictive internet access to save the internet bandwidth, it also effectively blocks out torrent applications, adult websites, games, YouTube and proxy categories with the help of URL filtering feature. In addition to this, GS1060dc incorporates features like app filtering, BYOD and IPS filtering for effective impact which are ideal for an educational institute like BBAU.

CONCLUSION

GS1060dc proved to be an ideal solution to the client's requirements for restrictive internet access and user authentication along with user based reporting. Mr. Dhirendra Pandey (HOD) at BBAU expressed his feedback about the new security. He said, "We are very content with the new security solutions incorporated. The issues pertaining to slow internet access, unrestricted internet access and limited bandwidth availability problems have been resolved."