

Catholic College Bendigo

Solutions sought

- Content Filtering
- Firewall
- Anti-spam
- Reporting
- VPN/RFS
- Policy Routing Link Management
- QOS/Quota

Blue Reef/Sonar and CCB

When Catholic College Bendigo enquired about having a system that provided: User based Web and Mail Content Filtering; User QOS and quota; connection of two sites and the Internet through VPN and routing; and link load sharing and routing for production services, it was hard to believe that all this could come from one solution.

Sonar's three proxies, Firewall and routing, LDAP user account synchronisation and controls (all bound together with an intuitive interface) made it all fit together into a single management platform.

Catholic College Bendigo's solutions

Overview

Breaking the problem up into several need sets the college essentially needed Link Management, Policy Management, and Remote access. The following solutions were taken from a standard Sonar Total Control system. All assisted and able to be manageable remotely from escalation to Blue Reef's Extended Support program, but with most of the work supported by onsite staff. CCB's IT and Network Manager Sean Murray achieved a substantial consolidation of network resources using Sonar and with it: a good ROI, support, and reliability.

Link Management

With two sites (Coolock and Lavalla) needing to share the same resources and with limited availability of broadband solutions there were challenges. Sonar connected each site to the internet with services published through different links using Link Equalisation and Policy Routing. With the browsing load spread out across these links and a link providing an IPSEC VPN there was the added benefit of Quality of Service to the VPN, Sonar's own classful QoS controls adds even further fine grain capabilities to these connections.

The IPSEC VPN made the two campuses into one. When another wireless network (WAN) then connected the two sites together it was possible to seamlessly transition and even use the IPSEC as an automated backup link

Policy Management

Sonar's Proxy and Firewalling rules are readily bound to user groups allowing a policy to dynamically follow the identity. The same identity that Sonar's agent seamlessly picks up through "Single Sign On" to any number of Directory services creates both packet and web policies at the gateway.

Of course Sonar also provides basic firewall capability utilising system wide policies that permit connections to or from any of their internal production services.



Blue Reef...

Extending Identity into the Network Layer



BLUE REEF

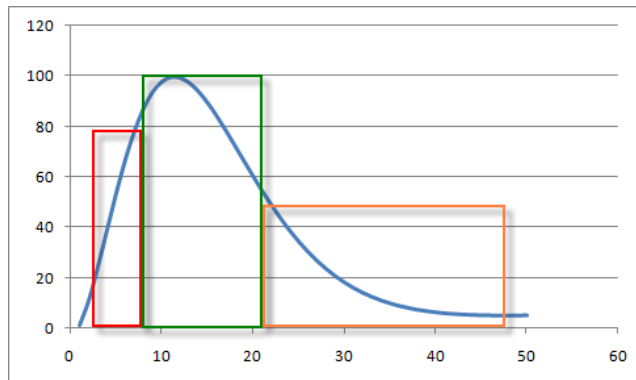
www.blureef.com.au

Case Study: Catholic College Bendigo

Mail

When incorporating Anti-Spam techniques Sonar's four prong protection virtually eliminates Spam.

- RBL and connection based protection blocks the bulk
- Signature detection and quarantine is taken care of by Clam Anti-Virus
- Reputation based Anti-Virus and Anti-Spam is incorporated with the Commtouch module
- Trust cleans out any fine grain policy work for false positives and false negatives



With Zero Hour protection provided by the reputation system (red) and longer term protection provided by Signatures (green and then orange) the Anti-Virus and Anti-Spam provides assurance and a strong Defense in Depth approach

Web

Web Content filtering is a true layer 7 inspection system that can match policy to practice with site classification, content based upon MIME or extension, Anti-Virus and Anti-anonymiser controls. With the Secure Computing Filter lists and customisable classifications for both block and exception down to URL it is possible to accurately reflect URL filtering policies. All against groups of users in LDAP.

The Strength of Sonar's packet policies apply to both inbound and outbound connections and this offers remote access capabilities.

Remote access

Besides the ability to connect in via VPN Sonar also provides either Secure Packet Forwarding or Remote File Services. The first allows pinhole packet access to internal resources based upon a simple ssl authentication. The latter goes on to provide secure web proxy access to internal file servers.

Integration

With heterogeneous support for NDS, AD, MacOSX and other directories it is possible to support multiple platforms and provide Single Sign On and even policy management through the Java agent. Bound together with an intuitive management interface

Other solutions

Sonar can complement other products provided by Blue Reef such as TTC (reporting and filtering), Kaspersky AV, and security related services.

For More Information Contact

Blue Reef P/L
 8A Main Street,
 Blackburn, Victoria, 3130 Australia
 Ph +61 3 9894 1088
 Fax + 61 3 9894 1688
 Email: info@blureef.com.au



Blue Reef...

Extending Identity into the Network Layer