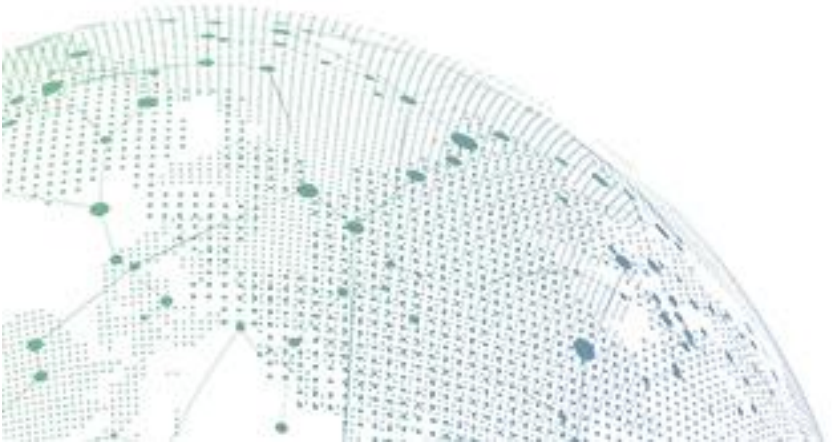
SANGFOR

IAM

Proxy Server Environment Deployment

Version 12.0.13



Change Log

Date	Change Description
Sept 19, 2018	Version 12.0.13 document release

CONTENT

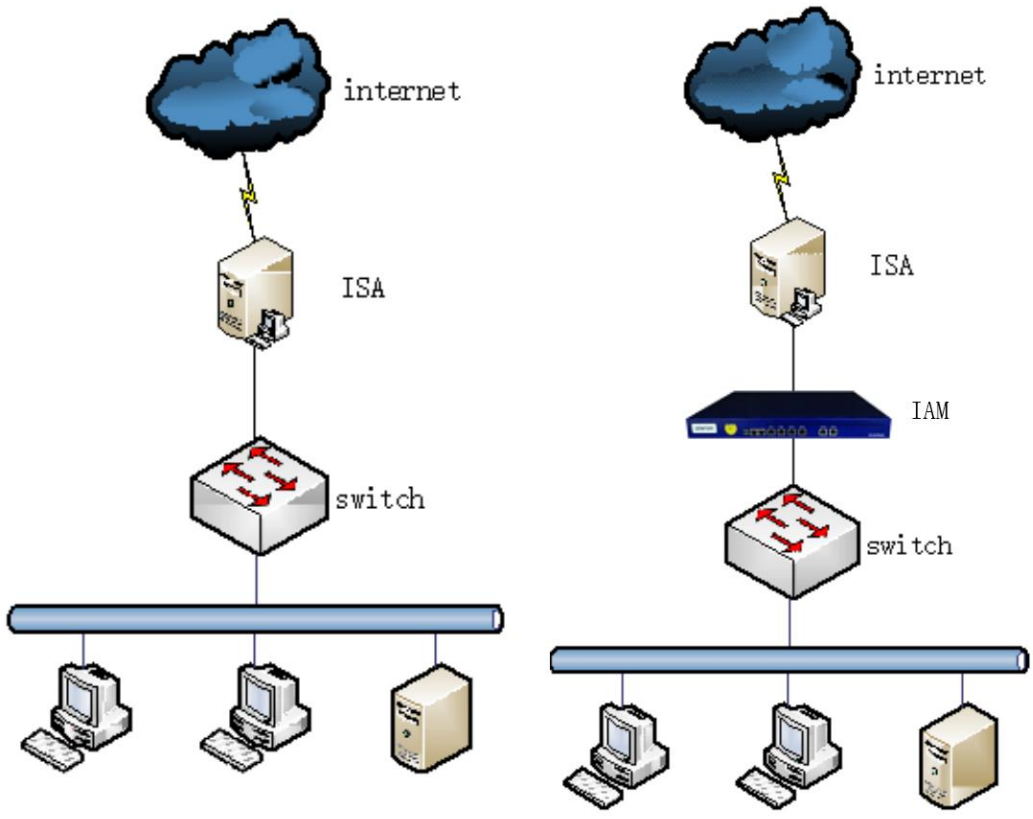
Chapter 1 Application Scenario

In the intranet network proxy server environment, all user data are sent to the proxy server user with the proxy server's IP as the destination IP. In real scenario, the real data will be encrypted by the proxy server before send to internet.

In such a network environment, if you want apply different Internet access policies for online users to record the real public access network data, then the deployment will be different with others network deployment.

Applicable scenario: Users online via proxy server and IAM need to accurately identify user online traffic and do the access control.

1.1 Proxy server with dual network card (IAM as bridge or route mode)



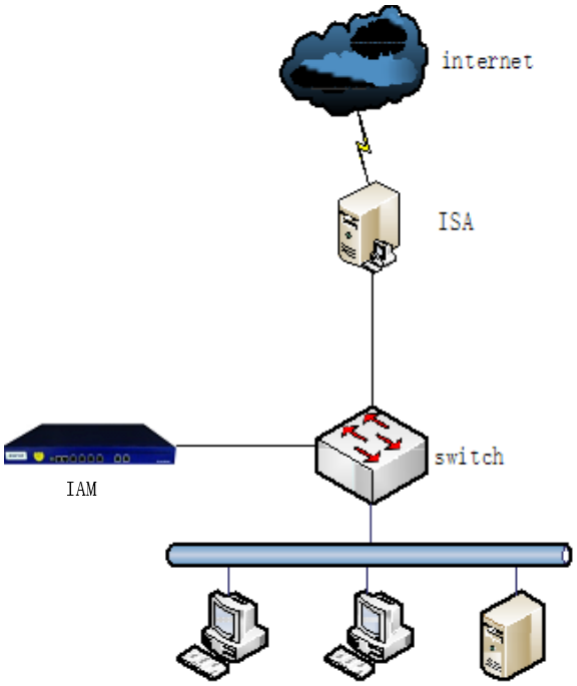
Configuration:

1. Device can deploy in route mode or bridge mode. We recommend use bridge mode as it need the less changing on the network configuration. But we need to make sure the internal data flow must go through IAM, or the proxy server

must locate in the WAN direction of the IAM.

2. Fill in IAM IP in IE proxy server exceptions list.
3. Fill in the proxy server IP and port in [System]-[General]-[Adcanced]-[Proxy]

1.2 Proxy server with dual network card (IAM as Bypass mode)



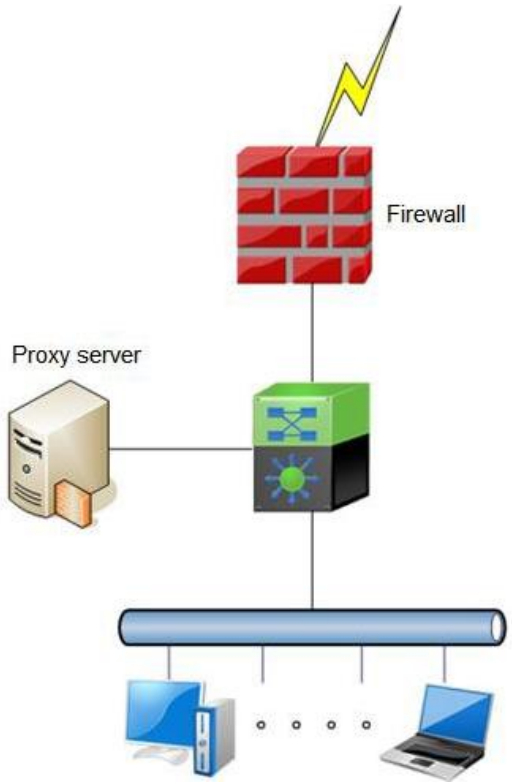
Configuration:

1. If only for audit or control only the TCP protocol data, the device may take the bypass mode deployment for monitoring data sent from internal network to proxy server.
2. Fill in the proxy server IP and port in Proxy>Proxy Services

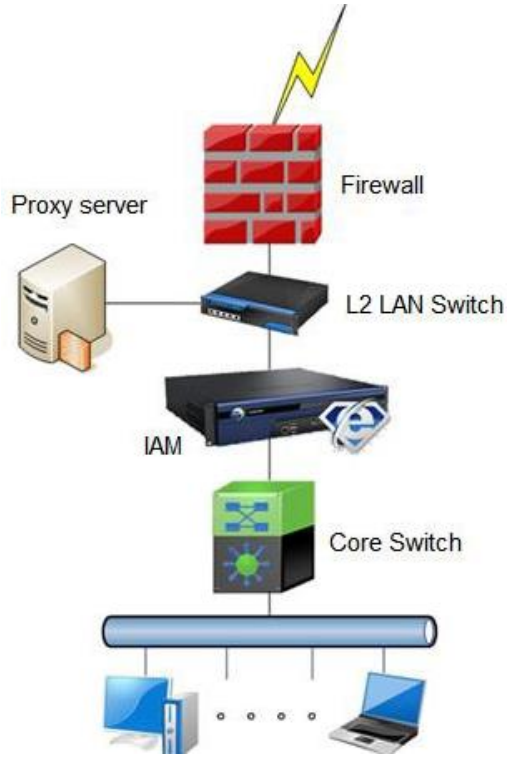
1.3 Proxy server with single network card (IAM as bridge mode)

Data flow as below:

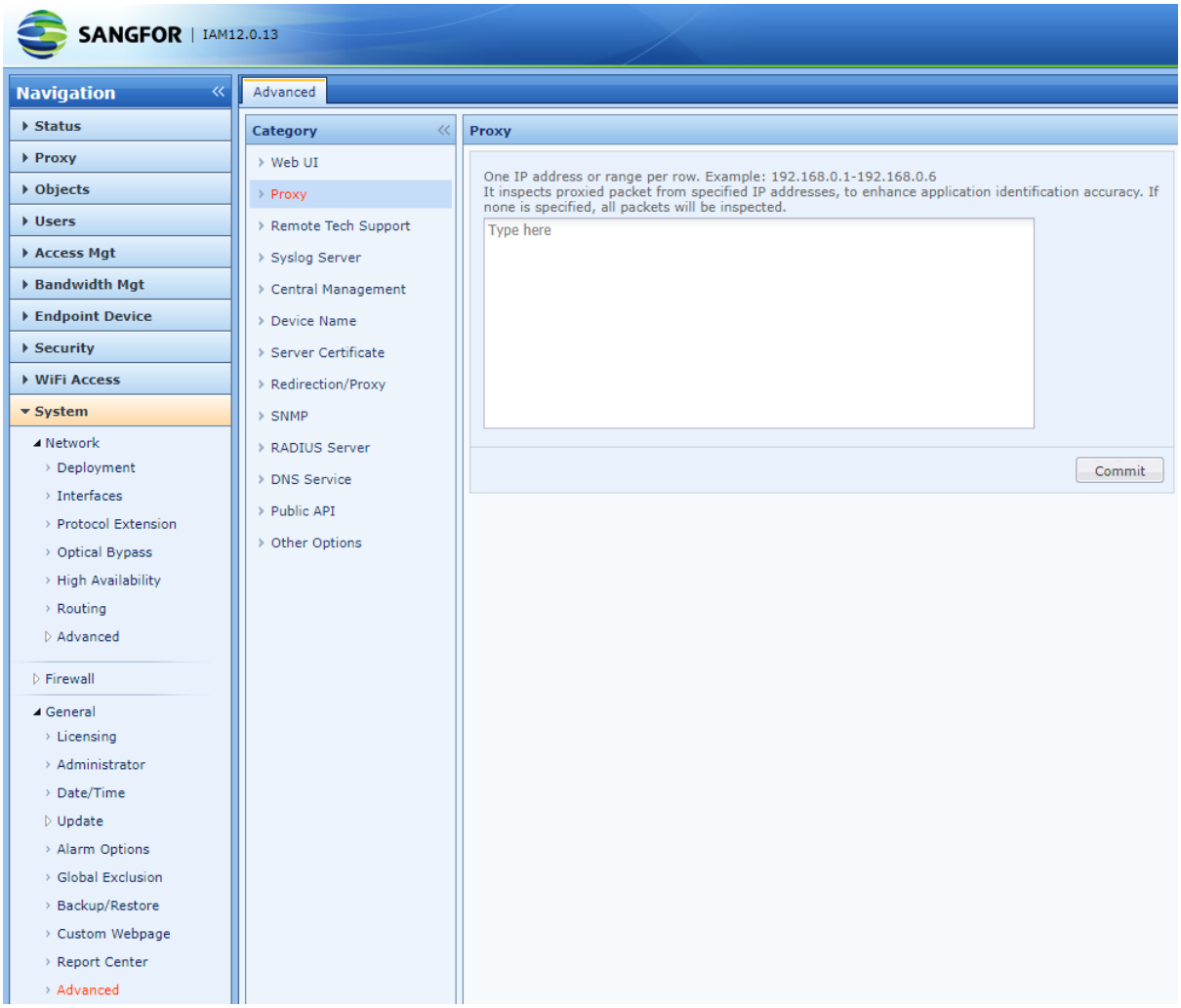
PC>Switch>Proxy Sever>Switch>Firewall>Internet



Solution 1:



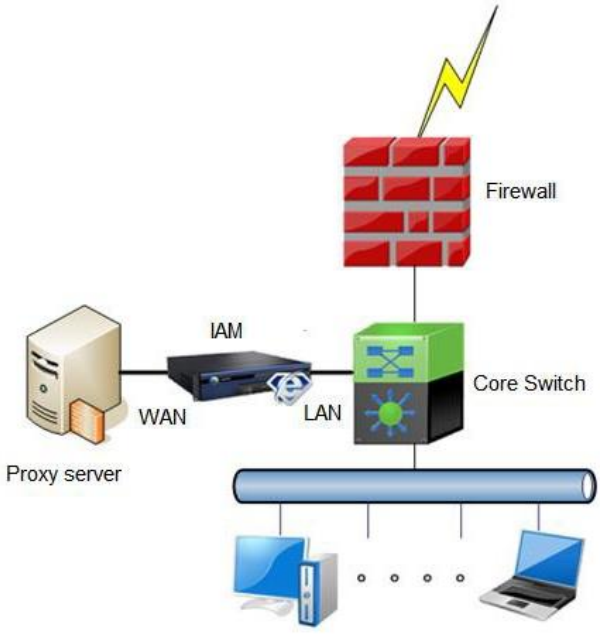
1. Add a L2 LAN switch between firewall, proxy server and core switch. We can relocate the proxy server to firewall interface, but if proxy server and firewall is not in a same VLAN, we need to re-plan the proxy server and firewall IP range.
2. Deploy the IAM between L2 LAN switch and ensure online traffic only pass once to the IAM.
3. Enter proxy server IP in “Proxy server settings” of IAM.



4. If the users group does not have priviledge to access via proxy server, kindly refer configuration steps as per following links.

   http://community.sangfor.com/plugin.php?id=sangfor_databases:index&mod=viewdatabase&tid=775

Solution 2:



1. Deploy IAM between proxy server and core switch.
2. Due to traffic will flow twice via the IAM, the online users list will show public IP as the online user.
3. Need to enable the following setting in [Users]-[Advanced]