

- **How many proxies** will be implemented in the enterprise?

The Corporate Internet Use Policy needs to be defined / modified only on the Master, all the slave installations will automatically synchronise their configuration from the Master.

- Which will be the **Master Proxy**?
 - The I.P. & hostname of the Master Proxy to be used for Browser-based **administrative access**.
 - Is the proxy server **multi-homed**?
 - Should the Proxy listen for requests on **multiple IPs & Ports**.

Web-Sites require an application layer security, therefore reverse proxying is used to ensure the Application layer Security

- Should SafeSquid act as a **Reverse Proxy** for our web-server?
 - What are the **web-sites** it should reverse-proxy?
 - Shall we change the **DNS records** of the web-sites?
 - Shall we just change the **IP / Port configuration of the web-server**?

The enterprise uses a variety of Internet Connection Service Providers, and each connection is judiciously used for a specific set of users or application.

- Shall we use the same **Internet Connection** for all kinds of Internet Access?
 - Or shall we configure SafeSquid to use **different Internet Connections** based on user, or nature of access?
 - Will SafeSquid **forward the requests** to another proxy, web-cache or firewall?
 - Does the request forwarding require any **Authentication**?

Virus Defence begins at the Internet Gateway. What Virus Scanner should we use?

- What **AntiVirus Software** will be used to scan all the Internet Traffic?
 - F-ProtAV / KasperskyAV / McAfee AV offer SafeSquid compatible Daemons that can be connected ONLY via Unix Sockets.
So if we use any of these AV, they must Necessarily co-habit the Proxy Server.
 - Sophos AV / ClamAV / Avast AV offer SafeSquid compatible Daemons that can be connected via Unix Sockets OR TCP/IP Sockets.
So if we use any of these AV, we have the option of installing them on a separate box on a LAN Server OR co-habit them with the Proxy Server.
To negate the latency effects in case of heavy traffic, it may be useful to set the LAN connection on a 100 Mbp/s or higher speed.
 - Symantec ICAP / Trend Micro ICAP / Dr. Web ICAP offer ICAP based Scan Engines, that are fully compatible to SafeSquid's ICAP client.
These Engines however require, good System Resources and are designed to deliver optimum performance if located on a remote server.
So if we use any of these AV, we must PREFERABLY install them on the a separate server.
- Since SafeSquid can be configured to **use one or more of the AntiVirus Software simultaneously**, we may explore the option of scanning the entire Internet traffic via more than one AntiVirus Software.
 - Alternatively should we do this multi-AV scanning only for a few chosen Applications, or people?
 - Or shall we just do the **"battle-ready implementation"** that allows us to switch to any of the above AntiVirus software, in times of emergency.

Policy settings to prevent Financial & Productivity Losses due indiscriminate use of Internet

- Shall we allow people to visit only a **"white-list"** of trusted web-sites & URLs?
- Shall we allow people to visit any web-site that is not explicitly **"black-listed"**?
- How are we going to review / modify our "white-lists" / "black-lists"?
- What are our high priority **business-application web-sites**?
- What are the **security relaxations** that we may permit when our users access these web-sites?
 - Pop-ups, KeyWords, Banners, Activex Controls, Cookies, Header Content.
- What will be our **bandwidth conservation policy** to access these sites?
 - **MiMe / File types** that will be permitted to be uploaded / downloaded.
 - **Speed / Volume** of Uploads, Downloads.
 - **Browsers** or other web-clients that will be allowed to access the Internet.
- What will be our bandwidth conservation policy to access sites, **non-business-application web-sites**?
- Do we have to make any granular policy modification to accommodate Profiles of some **VIP users / Applications / Time of Access**?
 - Should we enable **pre-fetching** of certain or all objects for one or more profiles?
- What kinds of **Log Reports** need to be generated?
 - How **frequently** should the log reports be generated?
 - How should the log reports be viewed and accessed?
- How are we going to **bench-mark** the performance of the hardware / software and the Internet Connection?
 - What will be the **maximum bandwidth** we will utilise to accomplish each test.