Nitish Kumar
mr.nitish.kumar@gmail.com
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Making Squid Server from Scratch: The Dummies Manual

Most of us should have heard of **Squid**, mostly while discussing requirements of **restricting Internet Usages** among clients. Although a requirement for **Squid** may arise for any few of the following reasons or anything else:

1- **To limit bandwidth usages:** Squid optimizes data flow between client and server to improve performance and caches frequently-used content to save bandwidth *(As data is being accessed locally not through ISP for further requests)*.

   Moreover, Organizations might have limited bandwidth or expensive over some threshold value, so management cannot permit employees to download inappropriate material as it usages precious bandwidth *(there are even options to limit the download size through Squid Server, which might be handy for such a scenario)*.

2- **Due to Organizational Policy:** Sometimes, organizations might have very strict internet policies regarding offensive materials. For this and for other reasons like controlling distractions, they don't want their employees gaining access to inappropriate sites.

3- **To limit usages as per defined hours:** Sometimes, organizations might need to provide internet access to employees during certain working days / hours only.

4- **Monitoring site access patterns:** Sometimes, in place of restricting or in addition of restricting internet access, the purpose might be monitoring the usages patterns for further steps to optimize or restrict.

Most special point about **Squid** is its being open source and vast availability of information and tweaks through forums and blogs. That's why it's most preferable solution for any such scenario.

Here I am providing the **Step By Step Dummies Manual for implementing a Squid Proxy Server** for layman like me, which should be sure helpful for many of us (including myself).

Step-by-Step with the implementation:

1- **Base Machine:** For my deployment, I chosen **CentOS** as the Linux installation due to availability and reliability of update sources for the OS itself *(its replica OS to Redhat Enterprise versions with almost all features)*. The Configuration for the machine was 2.66 GHz Core 2 Duo Processor, 1 GB RAM and 160 GB HDD space.

   Installation was customized to have **2 GB swap** partition, **200 MB** boot partition, **Squid** package checked, **Web Server** packages checked, **SendMail** related packages *(Squid may be configured to send reports on mail)*, **MySQL / PHP** packages checked *(not required for Squid itself, but might be required for reporting software's later on)*.

Making Squid Server From Scratch The Dummies Manual

Sue Jenkins

Making Squid Server From Scratch The Dummies Manual:

Web Design All-in-One For Dummies Sue Jenkins,2013-01-22 All you need to know on web design in a thorough new edition If you want just one complete reference on web design this book is it The newest edition of this essential guide features 650 pages on the latest tools and new web design standards such as HTML5 CSS 3 and other core technologies and page building strategies Five minibooks provide deep coverage essential pre design considerations how to establish the look of your site building a site how to test your site and taking your site public Design professional and author Sue Jenkins understands what designers need and gives you the answers Thorough revision brings you up to date on the latest changes in the world of web design Features five minibooks that cover all the bases Getting Started Designing for the Web Building the Site Standards and Testing and Publishing and Site Maintenance Covers the latest tools page building strategies and emerging technologies such as HTML5 and CSS 3 Includes over 650 pages of detail on such topics as establishing audience focus creating content using mock ups and storyboards to establish the look how to design for text and images testing your site and more If you re looking for an in depth reference on all aspects of designing and building a site and taking it live Web Design All in One For Dummies 2nd Edition is the book *American Book Publishing Record* R.R. Bowker Company,1978

Squid Proxy Server 3.1 Beginner's Guide Kulbir Saini,2011 Part of Packt s Beginner s Guide Series this book has lots of screenshots and step by step instructions to help you get to grips with the techniques as quickly as possible Each chapter is dedicated to a different aspect of the Squid proxy server so you will have a thorough understanding of how everything works and how it is connected by the end of the book If you are a Linux or Unix system administrator and you want to enhance the performance of your network or you are a web developer and want to enhance the performance of your website this book is for you You are expected to have some basic knowledge of networking concepts but may not have used caching systems or proxy servers before now **Squid: The Definitive Guide** Duane Wessels,2004-01-22 Squid is the most popular Web caching software in use today and it works on a variety of platforms including Linux FreeBSD and Windows Squid improves network performance by reducing the amount of bandwidth used when surfing the Web It makes web pages load faster and can even reduce the load on your web server By caching and reusing popular web content Squid allows you to get by with smaller network connections It also protects the host on your internal network by acting as a firewall and proxying your internal web traffic You can use Squid to collect statistics about the traffic on your network prevent users from visiting inappropriate web sites at work or school ensure that only authorized users can surf the Internet and enhance your privacy by filtering sensitive information from web requests Companies schools libraries and organizations that use web caching proxies can look forward to a multitude of benefits Written by Duane Wessels the creator of Squid Squid The Definitive Guide will help you configure and tune Squid for your particular situation Newcomers to Squid will learn how to download compile and install code Seasoned users of Squid will be interested in the later chapters which tackle advanced topics such as high

performance storage options rewriting requests HTTP server acceleration monitoring debugging and troubleshooting Squid Topics covered include Compiling and installing Squid Running Squid Using Squid s sophisticated access controls Tuning disk storage for optimal performance Configuring your operating system for HTTP interception Forwarding Requests to other web caches Using redirectors to rewrite user requests Monitoring Squid with the cache manager and SNMP Using Squid to accelerate and protect HTTP servers Managing bandwidth consumption with Delay Pools **Active Server Pages for Dummies** Hatfield,2001-03

Adopting the Song of Appearance: An Mental Symphony within **Making Squid Server From Scratch The Dummies Manual**

In a world taken by screens and the ceaseless chatter of fast communication, the melodic beauty and emotional symphony developed by the published word often diminish into the background, eclipsed by the relentless sound and disruptions that permeate our lives. However, set within the pages of **Making Squid Server From Scratch The Dummies Manual** a marvelous literary treasure full of fresh emotions, lies an immersive symphony waiting to be embraced. Crafted by a masterful musician of language, that interesting masterpiece conducts viewers on an emotional journey, skillfully unraveling the concealed melodies and profound influence resonating within each carefully crafted phrase. Within the depths with this moving review, we can investigate the book is key harmonies, analyze its enthralling publishing fashion, and submit ourselves to the profound resonance that echoes in the depths of readers souls.

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