Measuring Multipath Routing in the Internet

Abstract:

Measuring Multipath Routing in the Internet is used to measure multipath routes under each type of load balancer and describes our measurement setup and characterization metrics.The load balancers found in our traces.

The [Internet](http://www.livinginternet.com/) network topology is a slowly changing [web](http://www.livinginternet.com/w/w.htm) with thousands of lines and even more inter-connections. The overall Internet architecture is described on the *architecture* page. The near real-time network topology of the Internet.

**Load balancing** is a computer networking methodology to distribute workload across multiple computers or a computer cluster , network links, central processing units, disk drives, or other resources, to achieve optimal resource utilization, maximize throughput, minimize response time, and avoid overload.

Multipath: Whenever there are several paths from one Server to the disk drives we talk about a multi path.

**Trace route** is the program that shows you the route over the network between two systems, listing all the intermediate routers a connection must pass through to get to its destination.

Existing System:

**Tools to measure Internet properties usually assume**

**the existence of just one single path from a source to a destination.**

**However, load-balancing capabilities, which create multiple**

**active paths between two end-hosts, are available in most contemporary**

**routers.**

**Proposed System:**

**This** Measuring Multipath Routing in the Internet **extends Paris traceroute and proposes an extensive characterization of multipath routing in the Internet.**

**Modules:**

**1.Client**

**2.Server**

**3.Secondary Server**

**4.Splitter**

**Client:**

**In this Client Module all the users registered in this and login in to the project. Split the File into Packets and Send this packets toi the server through the trace route algorithm.**

**Server:**

**Server Receiving the splited Files and send these files into specified location.**

**Splitter:**

**Splitter module is used to split the files into packets.**

**Secondary Server:**

**The First server is busy then the request handled by the second server.**

**H/w & s/wcomponents:**

**Software Requirements:**

Language : C#.NET

Technologies : Microsoft.NET Framework,

 ADO.NET

IDE : Visual Studio 2008

Backend : SQL Server 2005

Operating System : Microsoft Windows XP SP2 or Later Version

**Hardware Requirements:**

Processor : Intel Pentium or more

RAM : 512 MB (*Minimum*)

 Hard Disk : 40 GB