

Internet Topology Discovery

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Since the beginning of the nineties, the Internet has undergone impressive growth. This growth can be appreciated in terms of the equipment, such as routers and links, that has been added, as well as in the numbers of users and the value of commerce that it supports. In parallel to this expansion, over the past decade the networking research community has shown a growing interest in discovering and analyzing the internet topology. Some researchers have developed tools for gathering network topology data while others have tried to understand and model the internet's properties.

In this talk, we will review past efforts in Internet topology discovery and modeling. In addition, we will have a look at recent developments, in particular how MPLS can (or not) be a brake to topology discovery and how bipartite graphs could be used for topology modeling.