

Title (en)

OPTIMAL REQUEST ROUTING BY EXPLOITING PACKET ROUTERS TOPOLOGY INFORMATION

Title (de)

OPTIMALES ROUTING VON ANFRAGEN DURCH DIE AUSNUTZUNG VON TOPOLOGY-INFORMATION

Title (fr)

ACHEMINEMENT DE DEMANDE OPTIMAL PAR EXPLOITATION D'INFORMATIONS TOPOLOGIQUES DE ROUTEURS DE PAQUETS

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0139470A1] A technique for redirecting client computer requests for content files to the closest replica of the requested content, by using anycast messaging. The request to resolve a domain name is forwarded as an anycast message to a name service provided by a group of name servers distributed in the network. The closest name server then responds to the anycast message by returning a unique network address for an associated content server that contains a replica of the requested content file. This scheme permits a client computer to subsequently establish higher level protocol access method, such as a Hyper Text Transfer Protocol (HTTP) request, to open a connection and deliver the content file replica, from a content server that is topologically close to the client, using only standard network protocols.

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