

Computer Networks

Research Project

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I would like to investigate Middleboxes for my research project. Middleboxes such as Network Address Translators, Firewalls, Transparent Caches are now commonplace. In my research I want to identify the harmful and harmless practices, identify the requirements and dependencies for common functions in the middlebox environment and also why it is often viewed as architectural impure.

My main reason to choose middleboxes as my research project is Network Address Translation. Network Address Translation was very handy when increased usage of IP lead to exhaustion of the address space and it also delayed the need to deploy IPv6. So, I will pay more attention on Network Address Translations in my research as it is main reason to opt for Middleboxes.

I intend to deliver a presentation because the time you allocated for each presentation is enough to convey my research.