Abstract

In enterprise networks, the concept of bringing your own devices (BYOD) to work and also allowing guest nodes to connect to the network is encouraged. As a factor the need to control access to the network is critical as visibility of nodes attached to the network is paramount in determining potential threats. The use of opensource technology is not mostly patronized by the corporate world because of the steep learning curve and the assumed complexities involved in the use of these software. This paper throws more light on the need for the use of opensource for enterprise networks especially for such networks for developing economies. Three major open source tools (OpenNAC, PacketFence and FreeNAC) are reviewed to provide a mechanism for assessing and selecting an opensource option for your educational network.

References

- SolarWinds. "Choosing the right enterprise network management solution - white
A Review of Opensource Network Access Control (NAC) Tools for Enterprise Educational Networks


Serrao, Gloria J. , Network access control (NAC): An open source analysis of architectures and requirements, IEEE International Carnahan Conference on Security Technology (IC CST), 2010


PacketFence: Supported Switches and APs, http://www.packetfence.org/about/supported_switches_and_aps.html#c1482, retrieved on 11/06/2014


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