

# ANYCon 2017 Talk – VLAN Hopping, ARP Poisoning and Man-In-The-Middle Attacks in Virtualized Environments

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## ANYCon Invited Talk

I have been invited to give a talk on my research at the upcoming [ANYcon](#) InfoSec and Hacking conference which will be held in Albany, NY from June 16th – 18th. This is a new conference bursting into the InfoSec scene, and is shaping up to be similar in size and spirit to other family oriented mainstream InfoSec conferences like [DerbyCon](#) and [BSides](#). The talk abstracts are starting to pop up on the [Agenda](#) page, and my talk is listed in the [Offensive Track](#).

While your hanging in Albany that weekend you may also want to stay a few extra days and check out the [Dead & Company](#) concert that will be at [SPAC](#) on June 20th!

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**Upcoming      Invited      Talk:**

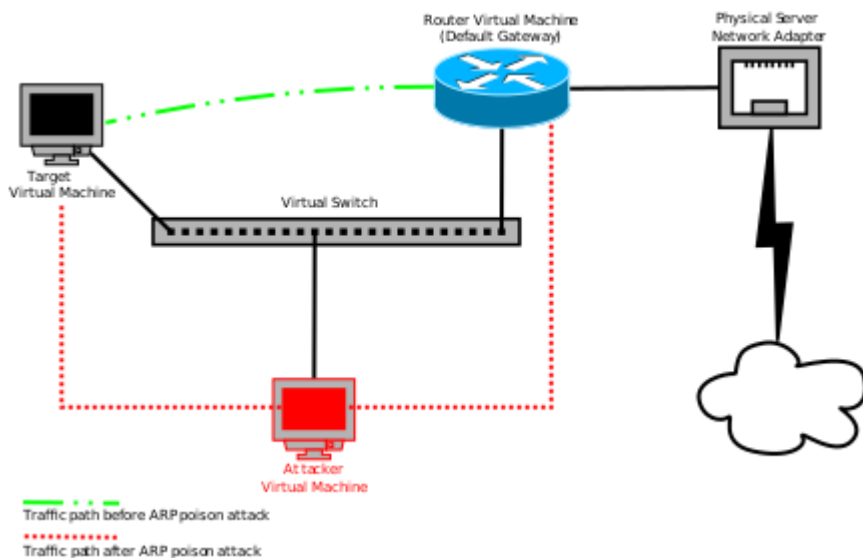
# HackCon#12 – Oslo, Norway

I have recently been invited to give a presentation on my research in Layer 2 Network Security in Virtualized Environments at the upcoming [HackCon#12](#) Norwegian Cyber Security Convention which will be held in Oslo, Norway from February 13th-16th. More information about the talk can be found [here](#).

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## **DEF CON 24 DEMO: ARP Poisoning Attacks in Virtual Networks**

This post includes demo videos which illustrate the effects of an ARP poisoning Man-in-the-Middle attack within a virtualized networking environment. The experiment was performed on seven different hypervisor/virtual network configurations in order to perform a systematic evaluation of the effects across all of the major enterprise level virtualization platforms. The following network diagram illustrates the configuration used for each of the experiments:



The following videos walk through the attack and results under VMWare ESXi 6.0 using the standard ESXi virtual switch as well as Microsoft Server 2012 HyperV using the Cisco Nexus 1000v virtual switch.

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# DefCon 23 Presentation: Exploring Layer 2 Network Security in Virtualized Environments