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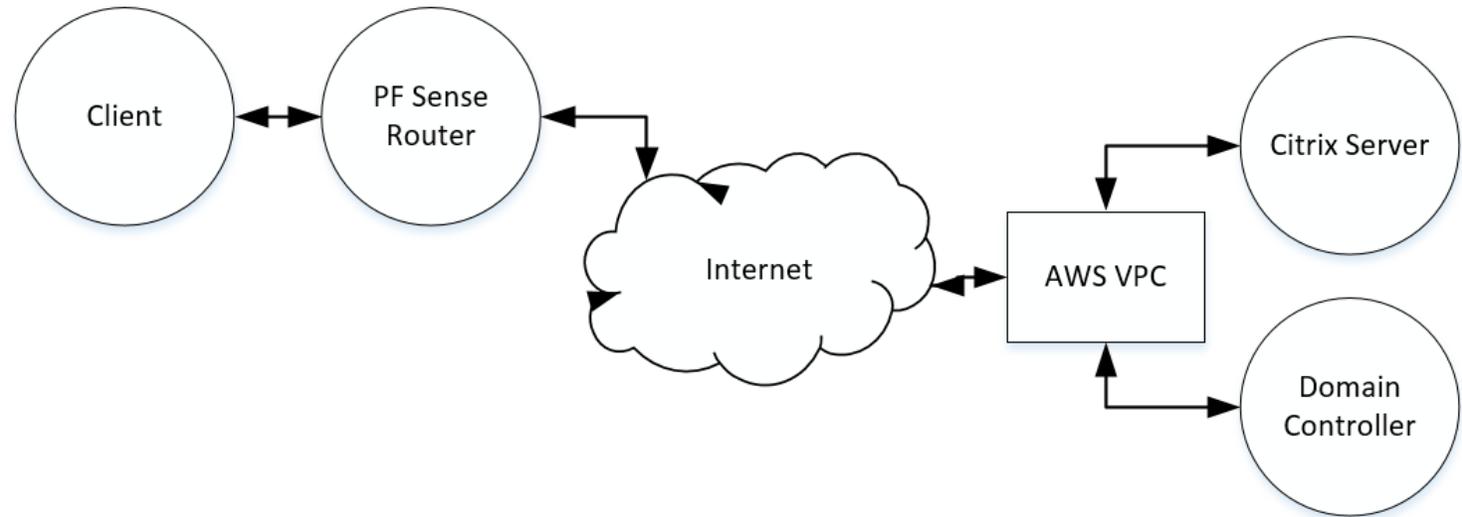
In. The Cloud



Objectives

We deployed a Citrix XenApp solution on top of an AWS compute platform, then configured access to our infrastructure with a site-to-site VPN using a pfsense Router.

What Does Our Topology Look Like?



How Does AWS Work?

AWS Is a cloud provider

- Cloud providers host hardware and infrastructure
- Allow administrators to host VMs and services on said infrastructure

Why use cloud providers?

- On-prem infrastructure has a substantial startup cost
 - Need the physical space, cooling/ventilation, power, cabling, and internet
 - This startup cost can be mitigated when a provider can allocate these resources in bulk

What is Citrix's XenApp?

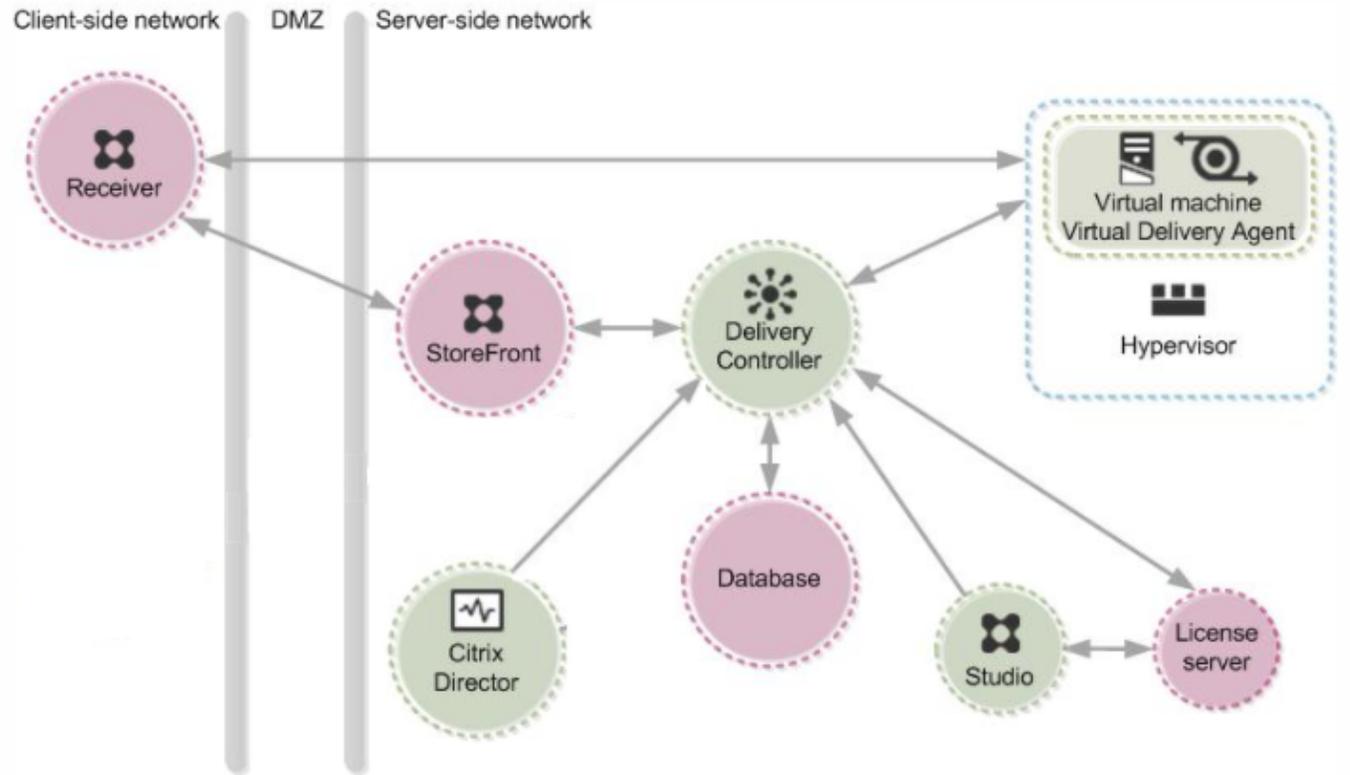
XenApp is a software suite that allows users to launch desktop apps over the internet from any computer, using the Citrix Receiver.

Hypothetical: I want to run Excel from my work computer on a non-work computer. I also want this instance of Excel to have my customizations and local files. By using a XenApp deployment I can run my work computer's instance of Excel on other machines over the internet. (Or over a VPN like us)

Components of a Citrix Server

- Citrix VDI/VDA (Virtual Desktop Infrastructure, Virtual Delivery Agent)
- Citrix Delivery Controller
- Citrix Storefront
- Citrix Studio

Citrix Server Topology



Client Configuration

To mock a client environment we will be doing a site-to-site VPN to a remote LAN network that has a single router configuration and a single Client Windows 7 machine on that subnet.

Using IPsec, we will configure our client site to directly connect to our AWS VPC. In theory there shouldn't be much difference on the end user.

Tour AWS Console

Tour Environment

Questions?