



UMD Innovation Summit: Efficient and Effective End-User Computing Platforms

Bob Hughes

TTB CIO

January 20, 2010

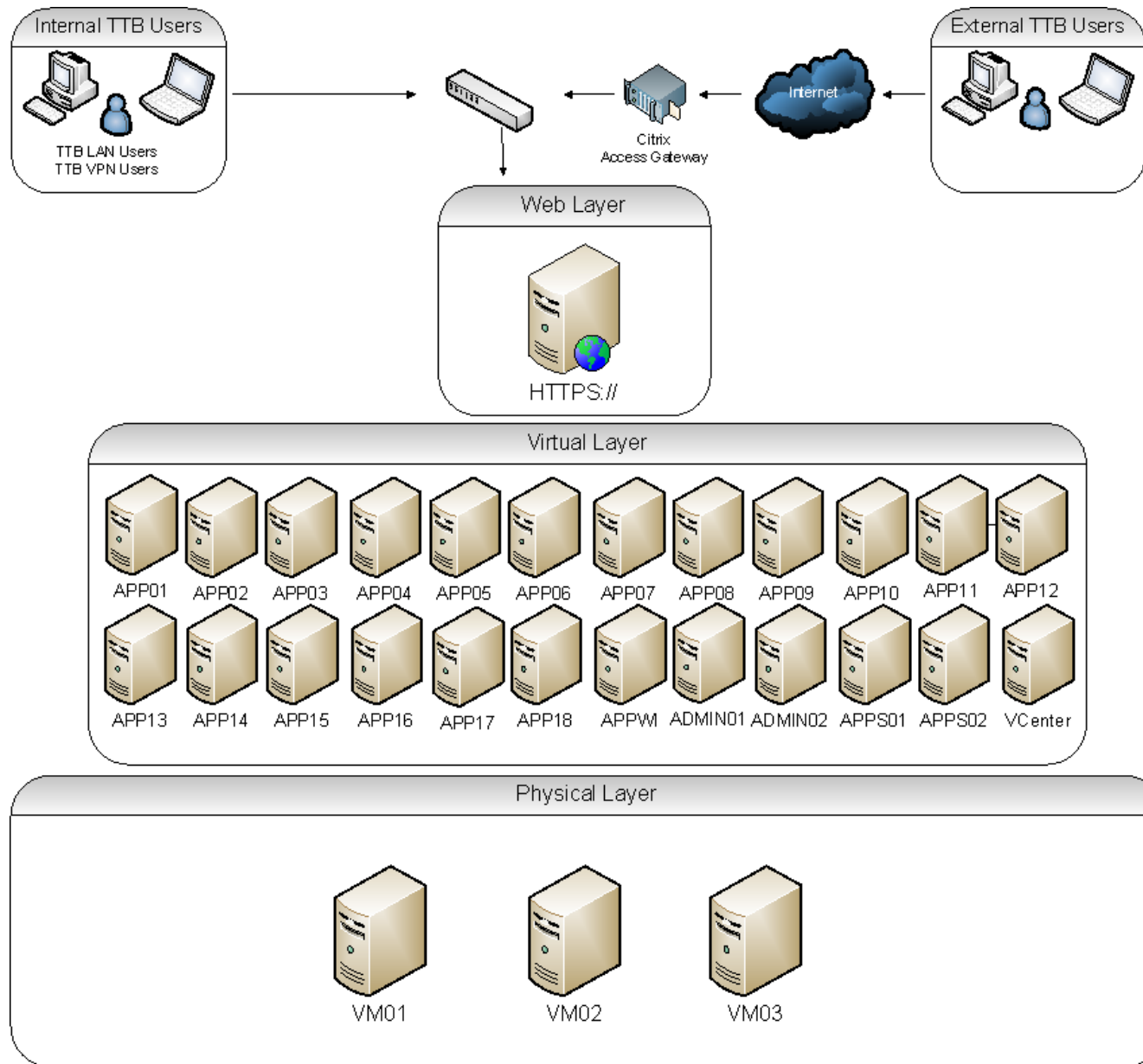


Remote Access Business Need

- Enactment of the Homeland Security Act of 2002 divided the Bureau of Alcohol, Tobacco, and Firearms (ATF)
 - Established in January 2003
 - About 700 Government and Contractor Personnel
- Very Distributed Workforce
- About 91% of the workforce remotely accesses TTB IT resources in a selected month
- Initial TTB Client Computing Philosophy – Anything Anywhere
 - 2005 Use of any Internet Connected Computer to Access 100% of TTB IT
 - Plan B – Born out of small centralized support for highly distributed workforce
- Current Virtual Desktop (on demand processing resources and customer applications)
 - Server Virtualization using VMWare
 - Desktop Virtualization with Citrix XenApp
 - Client Access Pilot
 - Broadband Everywhere Pilot – MiFi



Virtual Desktop Architecture





MiFi – 3G or 4G Access

- Mobile Wireless Broadband
 - Up to 5 people can join wireless one MiFi access point
 - Hotel, Airports, Car
 - 100% Broadband Access for Mobile Thin Clients





Mobile Access Options



Mobile Thin Client



Phone Interface USB/BlueTooth



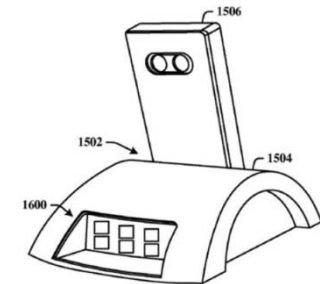
Phone With Projector



Mobile Smart Phone Dock



XP Phone With VGA/USB



Desktop Smart Phone Dock