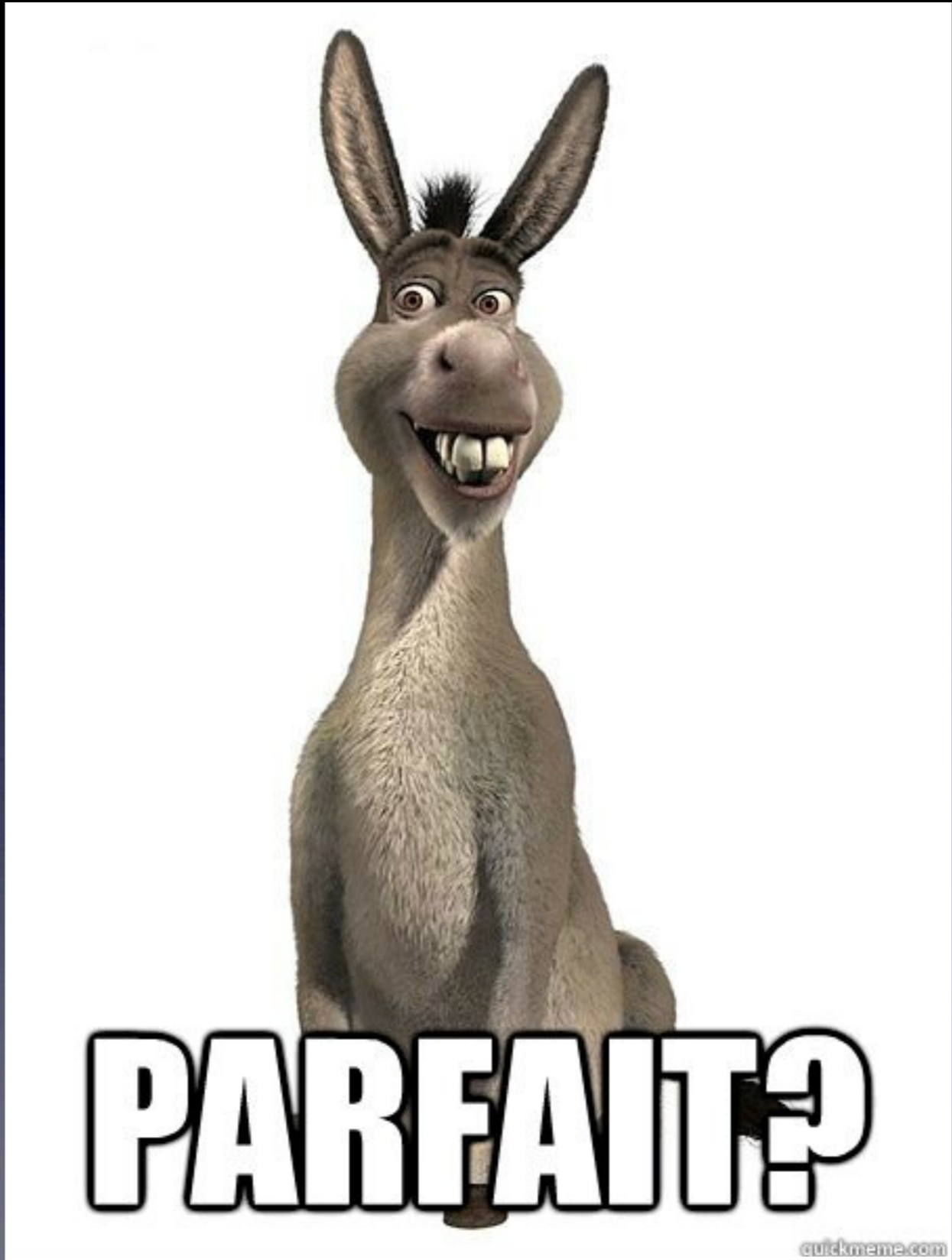




Layered Security

Lafayette College - October 2012



More than one Onion

- Physical Security
- Logical Security

Physical Security

- Data Center Access
- Network Port Access
- Access Methods (Keys, Alarm Codes)
- Desktop Machines
- Portable Devices (Laptops, Phones, Tablets)
- Humans

Logical Security

- Network Design
- Security Appliances
- Applications
- Monitoring & Incident Handling

Network Design

- Iterative Design
- Separation of Security Domains
- RFC 1918
- Design first, then place appliances

Network Security

- Wireless
- Network Access Control
- Firewalls
- IDS / IPS
- Logs

Server Security

- Applications
- Application Firewalls
- HIDS / HIPS
- Logs

Virtualization

- Network
- Desktop
- Server
- Application
- Storage

Questions?

CCDC

Collegiate Cyber Defense Competition

The What?

- <http://www.nationalccdc.org>
- <http://www.midatlanticccdc.org>
- Security Competition
- Teamwork
- Job Opportunities



The Who?

- Blue Team
 - Defense
- Red Team
 - Offense

The Why?

- Experience
- Knowledge
- Fun
- Excitement