ISE North America Leadership Summit and Awards

Nominee Showcase Presentation

October 27- 28, 2010

Company Name:	Qualcomm
Project Name:	Virtual Clean Room (VCR) San Diego
Presenter:	Jeff Overbey
Presenter Title:	Staff IT Security Engineer

TEN
TECH EXEC NETWORKS

Company Overview

QUALCOMM®

- International leader in innovative wireless solutions
- “Fab”- less cell phone chip designers
- 17,000+ employees spread over 30 countries.
- $10.7 est. annual revenue
- Snapdragon

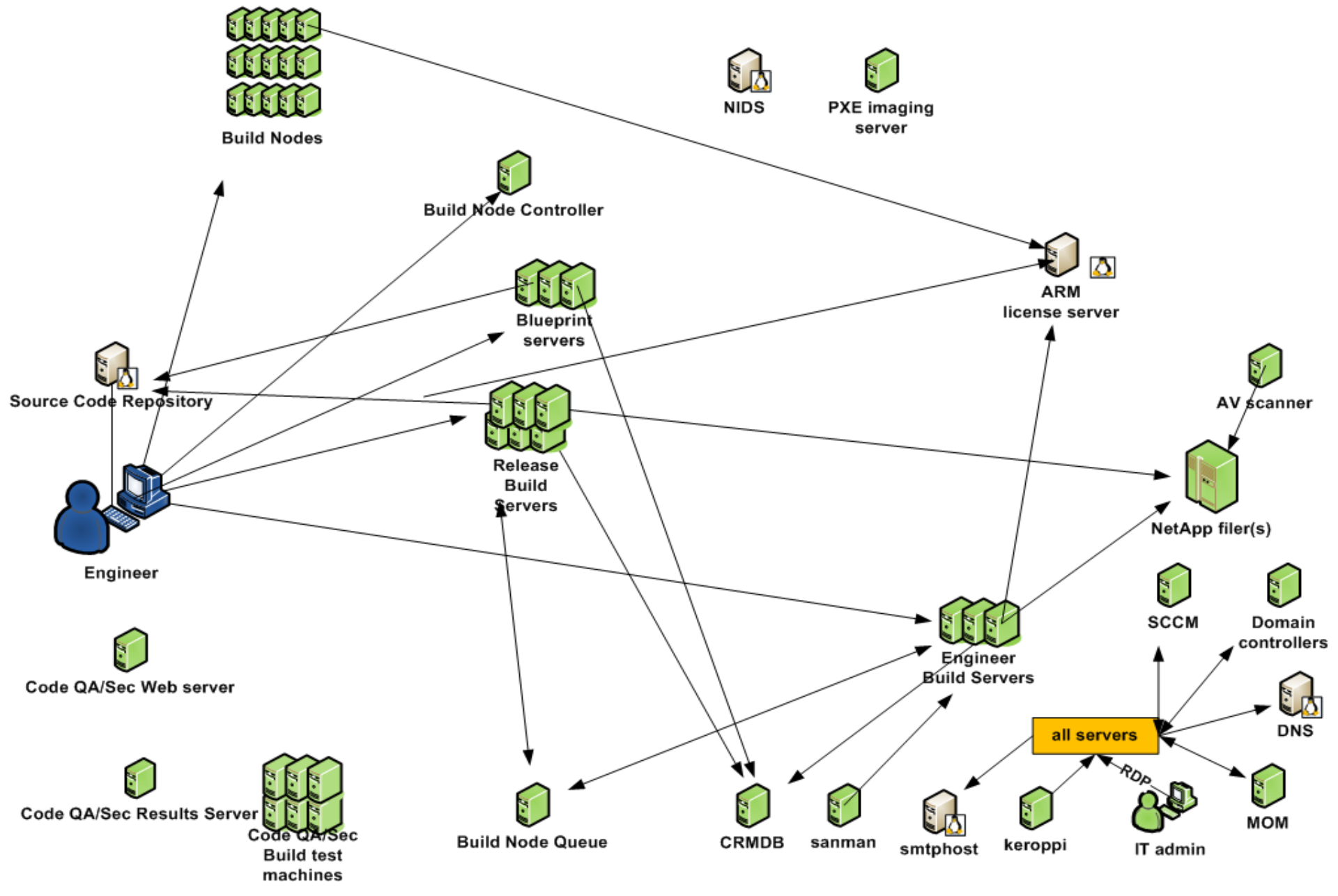
Presentation/Project Overview

- The Problem
- The Challenge
- The Solution
- Lessons Learned/Best Practices
- Next Steps

The Problem

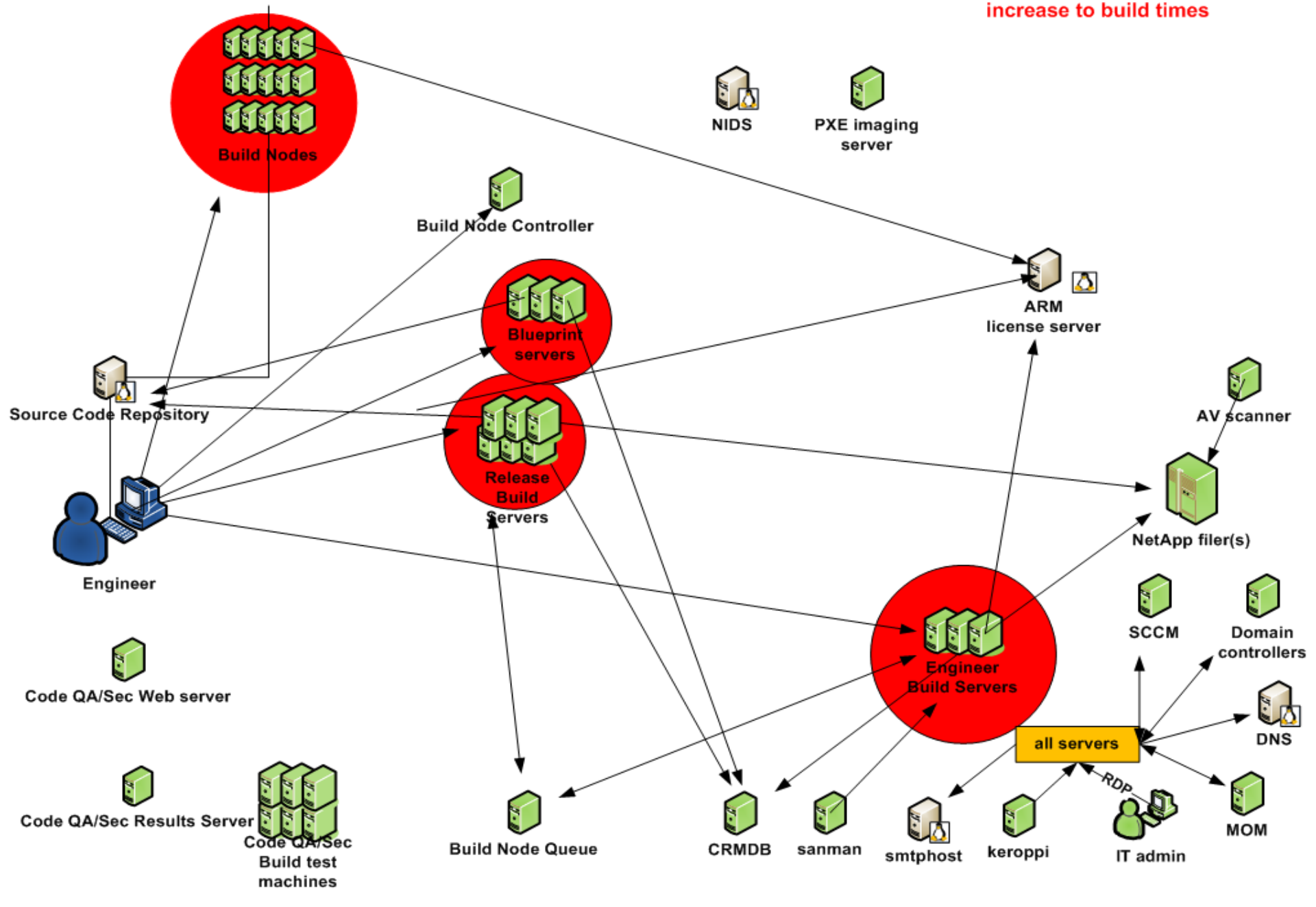
- High performance build environment experienced a 40% overhead impact from anti virus on access scanning

Initial Build System Layout



Initial Build System Layout

AV Bottlenecks – Intense I/O up to 40% increase to build times



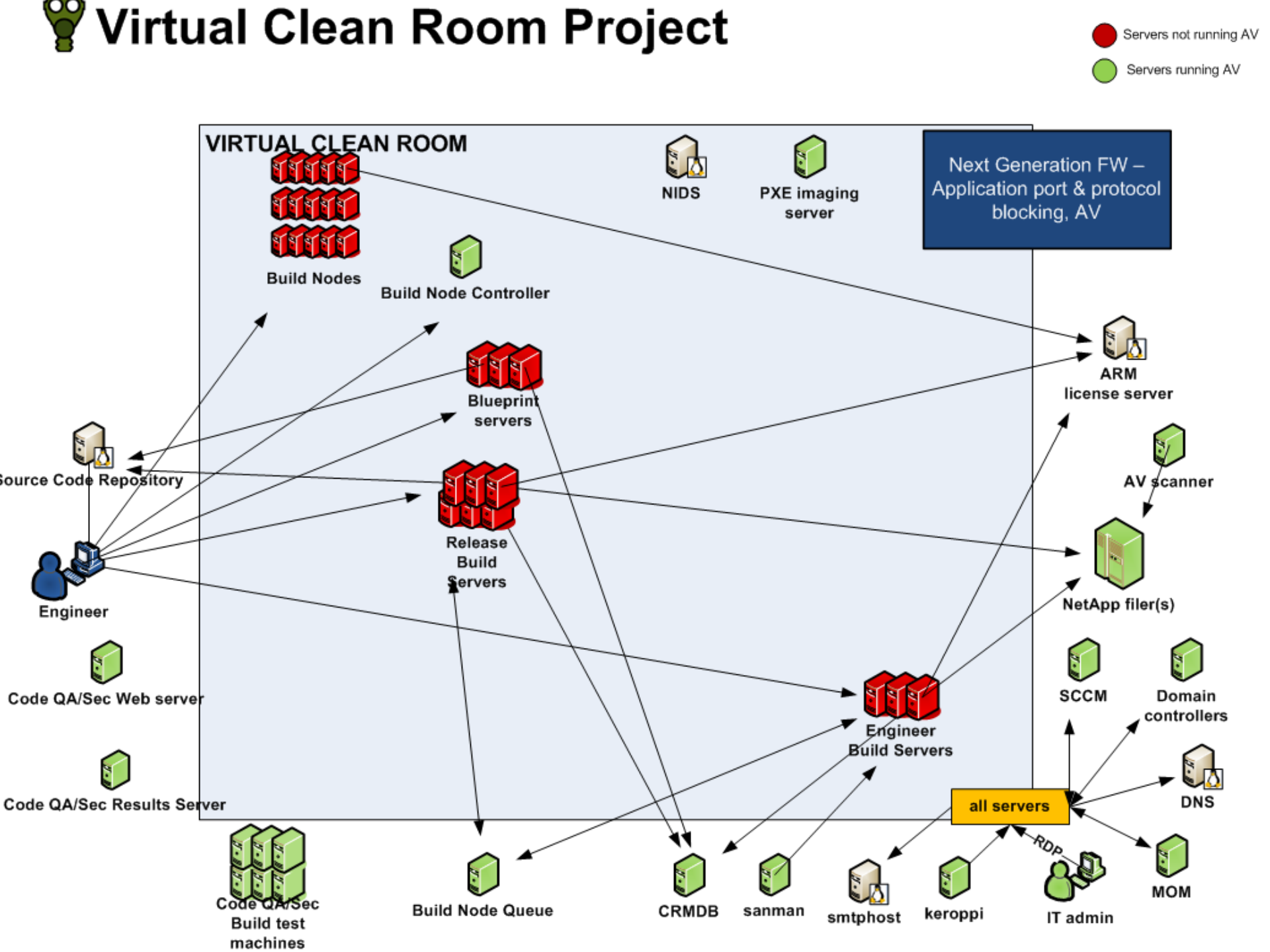
The Challenge

- Develop a solution that would reduce the risk of critical assets operating without standard corporate security controls to an acceptable level while offering flexibility to balance the requirements of both the business unit and IT security policy
- The solution had to be transparent to the end user and not alter existing business processes

The Solution

- Segregate impacted hosts from production systems and implement compensating controls
- Segregation
  - Active Directory OUs
  - Filtered network
- Compensating controls
  - Next generation firewall
  - Policies and standards
  - Monitoring and response

Virtual Clean Room Project



Lessons Learned/Best Practices

- Nature of the environment
  - Iterative based rule set creation
- More configuration management the better
- Initial skepticism was overcome by team determination and results

Next Steps

- Success!
  - More VCR configurations being rolled out at Qualcomm locations worldwide
- Best practices for asset separation in ePO, AD containers being deployed to other projects

Thank you and Questions

- Questions?