

# Distributed Network Monitoring

**Ft. Veterans United Home Loans Customer Interview**





**Jordan Scott**

Account Manager at NetBeez



**Eric Goodwin**

Network Architect at Veterans  
United Home Loans

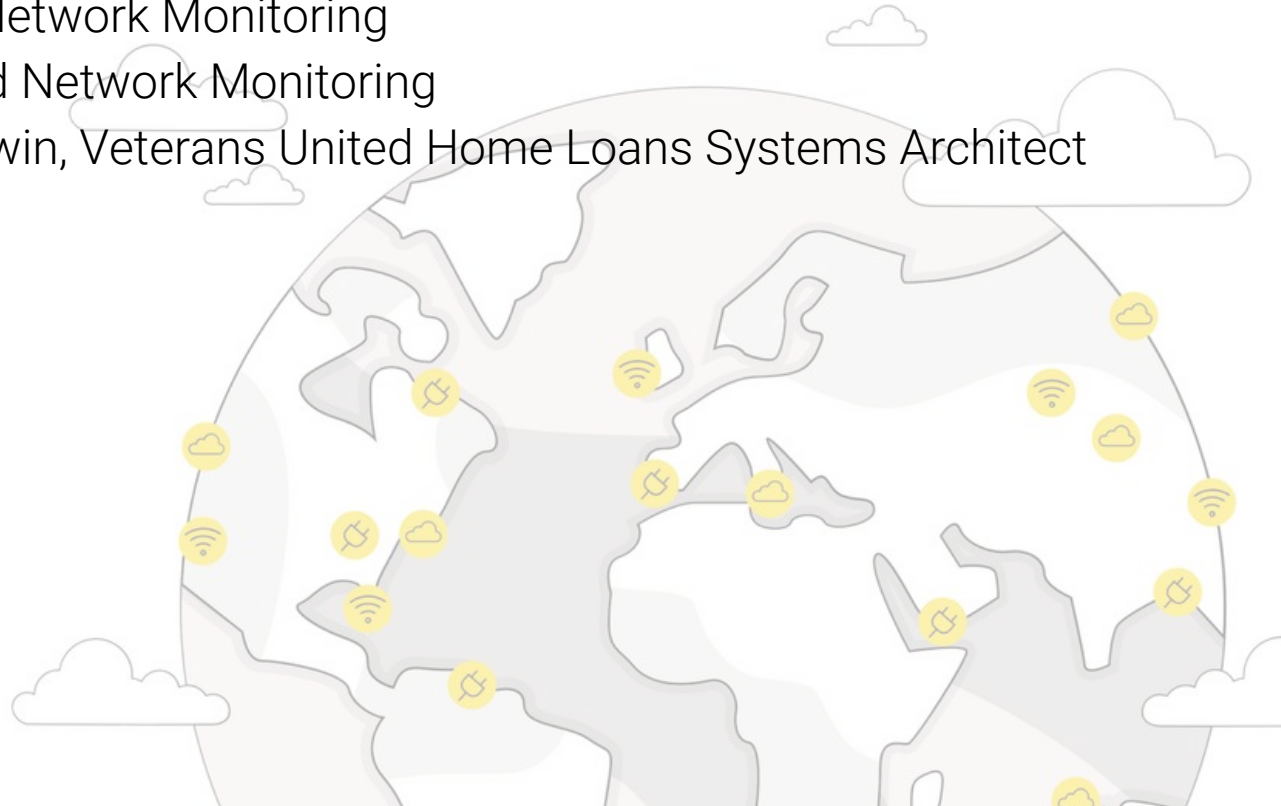


# Agenda

Part I: Types of Network Monitoring

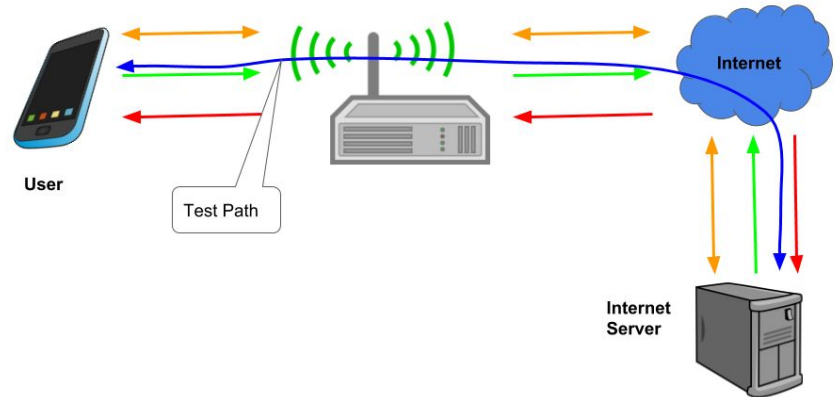
Part II: Distributed Network Monitoring

Part III: Eric Goodwin, Veterans United Home Loans Systems Architect



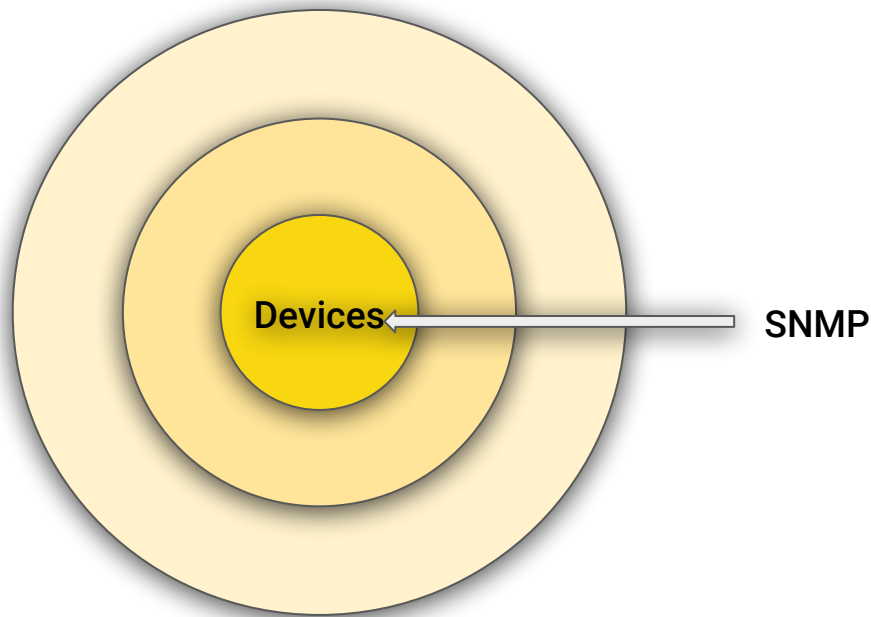
# Monitoring Technologies

- SNMP
- NetFlow
- Distributed Network Monitoring



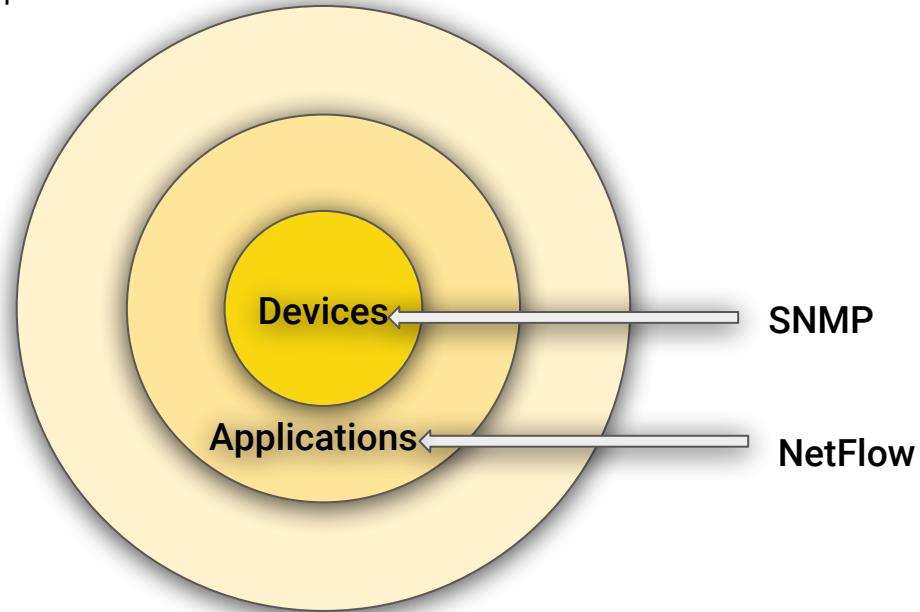
# SNMP

- 30 year old mature technology
- Infrastructure information only
- Up-Down Monitoring
  - Device status
  - Bytes in and out
  - CPU utilization

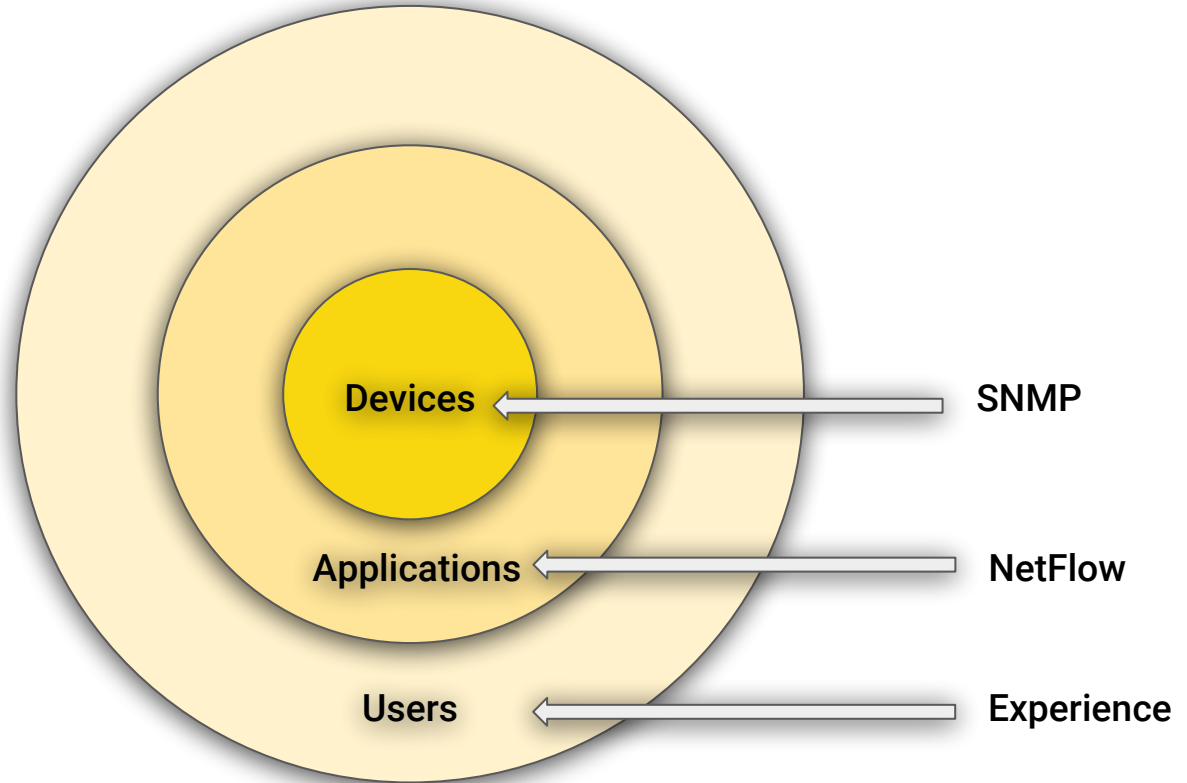


# NetFlow

- Passive monitoring
- Top talkers / Top applications
- Too much information can be a problem

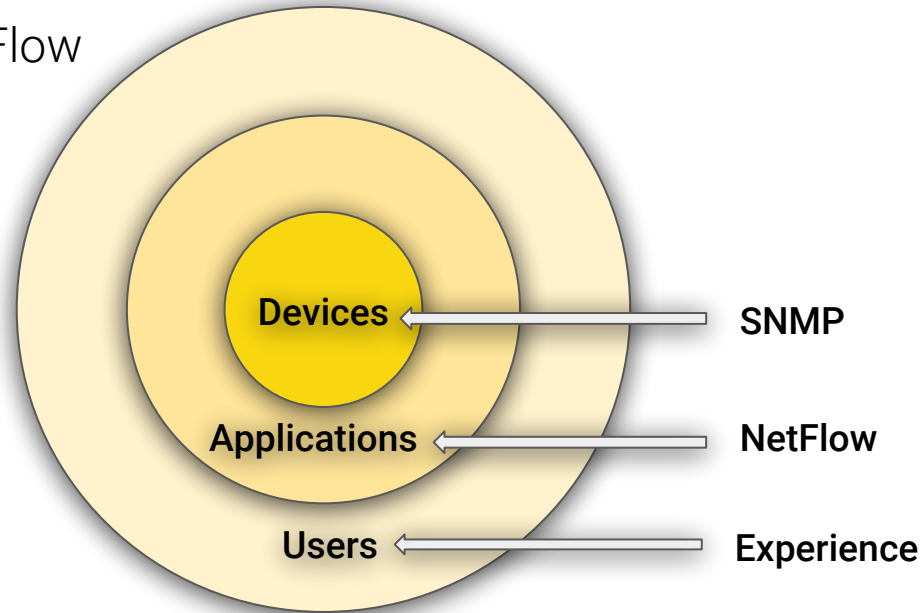


# Do you have everything in place?



# Distributed Network Monitoring

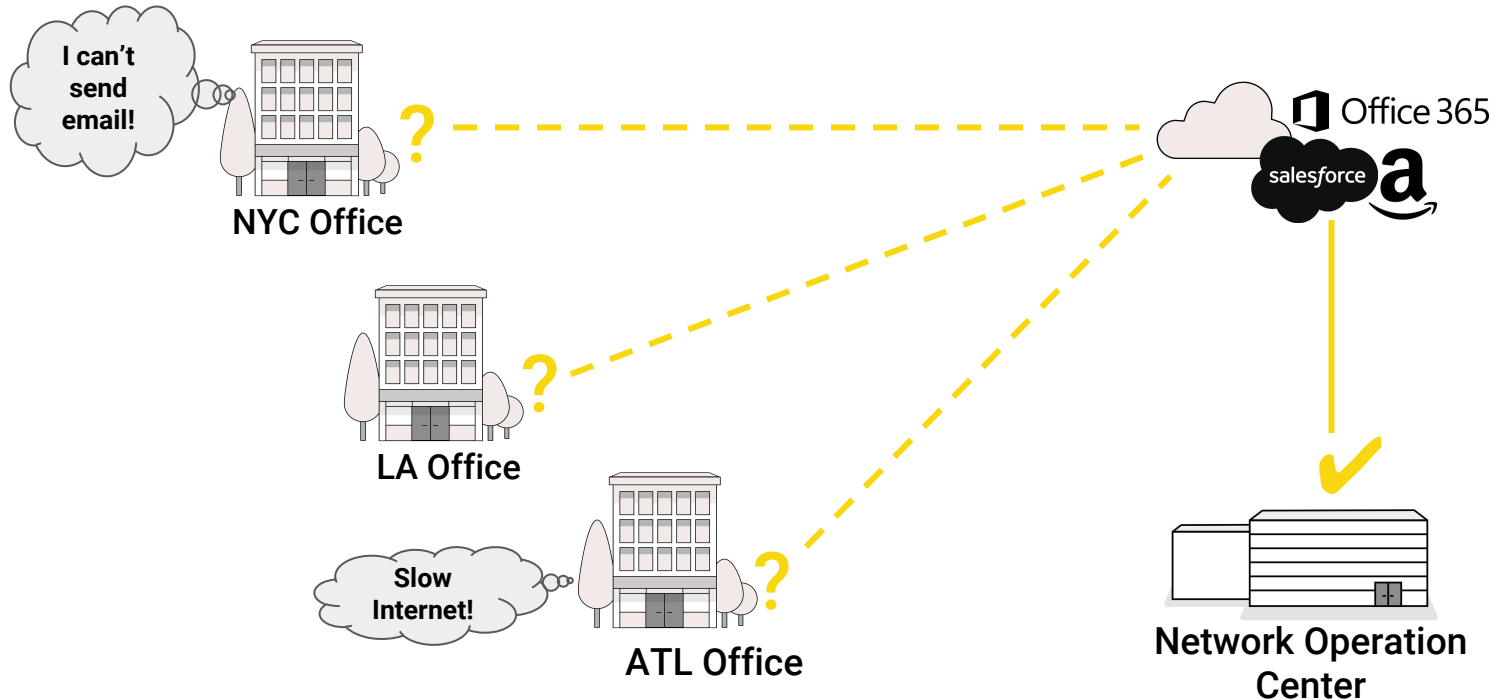
- User perspective
- Synthetic monitoring
- Remote site visibility
- Builds on top of SNMP and NetFlow





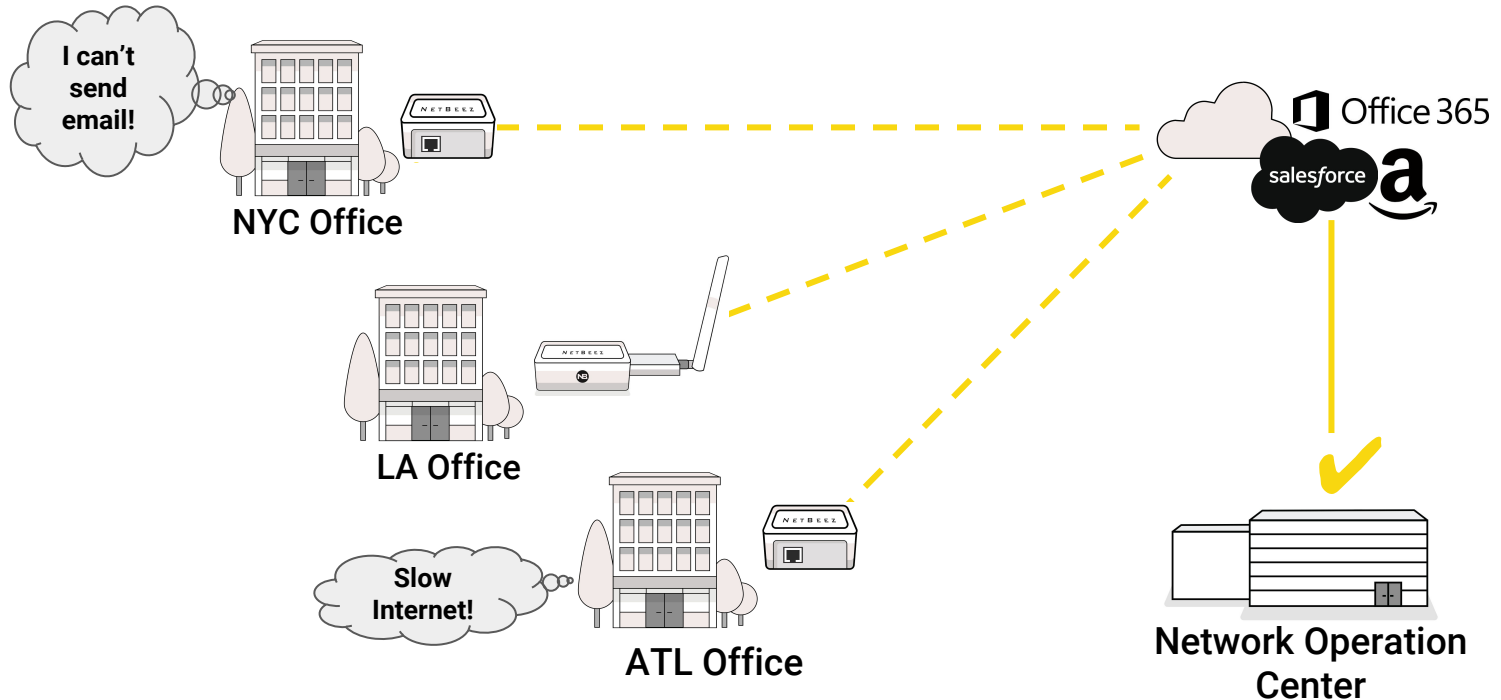
# Distributed Network Monitoring

Monitoring strategy that relies on the information provided by multiple vantage points with the goal of determining the user experience.



# Distributed Network Monitoring

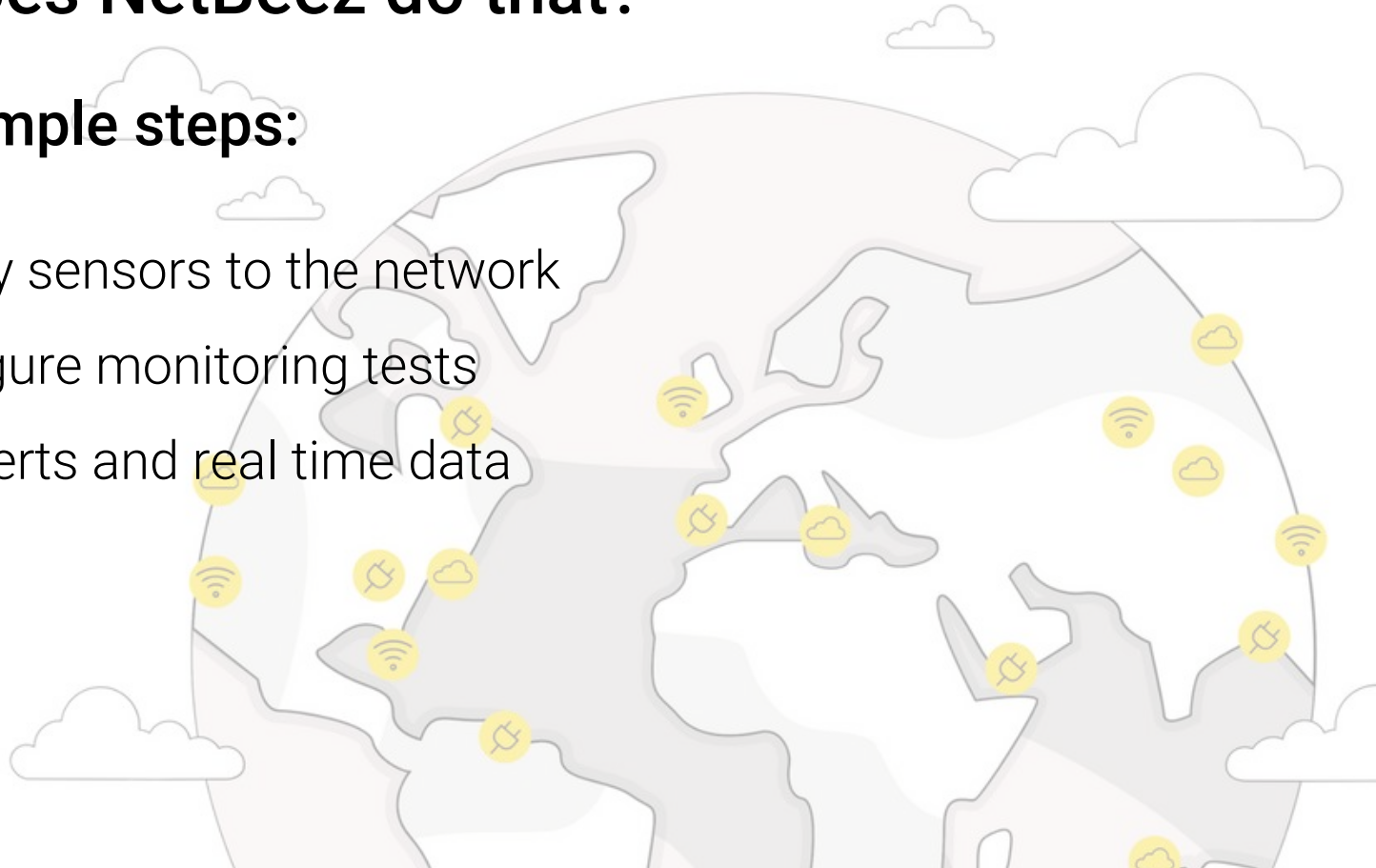
Monitoring strategy that relies on the information provided by multiple vantage points with the goal of determining the user experience.



# How does NetBeez do that?

## Three simple steps:

1. Deploy sensors to the network
2. Configure monitoring tests
3. Get alerts and real time data



# Step 1: Deploy sensors



**Ethernet**



**WiFi**

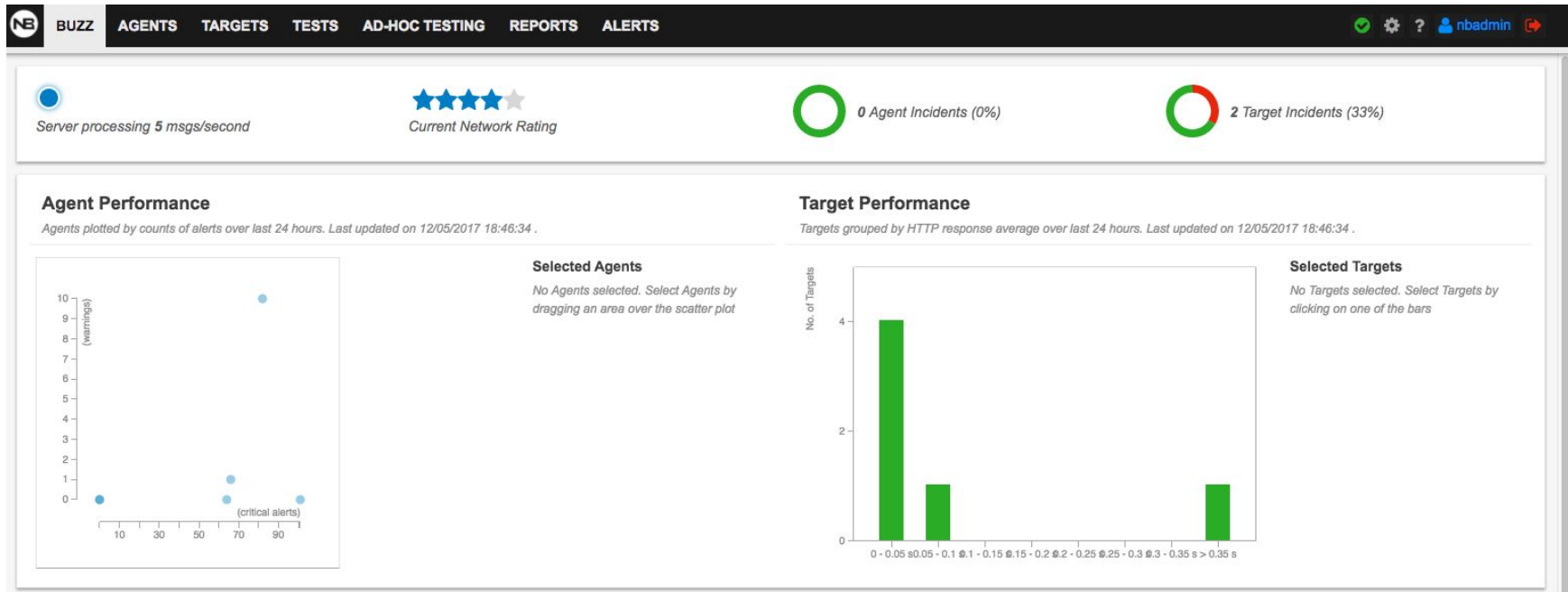


**Virtual**

## Step 2: Configure monitoring tests

Test	Primary Metric	Secondary Metric
PING	RTT	Packet loss
DNS	Query time	Failed queries
HTTP	GET Time	Failed requests
Traceroute	Number of hops	Hop count, hop RTT, Path-MTU
iPerf	TCP/UDP/Multicast Throughput	Throughput, jitter, packet loss
VoIP	Mean Opinion Score	Throughput, jitter, packet loss
Speedtest	Download/Upload Throughput	Latency

# Step 3: Get alerts and real time data



# Veterans United Home Loans

- Eric Goodwin, Network Architect
- Columbia, MO
- 30+ WAN network locations



Veterans United.  
*Home Loans*

# About NetBeez

## Customers

Fortune 500 Enterprises | Universities | Hospitals | Financial Institutions

## Recognitions



## Investors





# Q&A

