

The Sine Field Effect

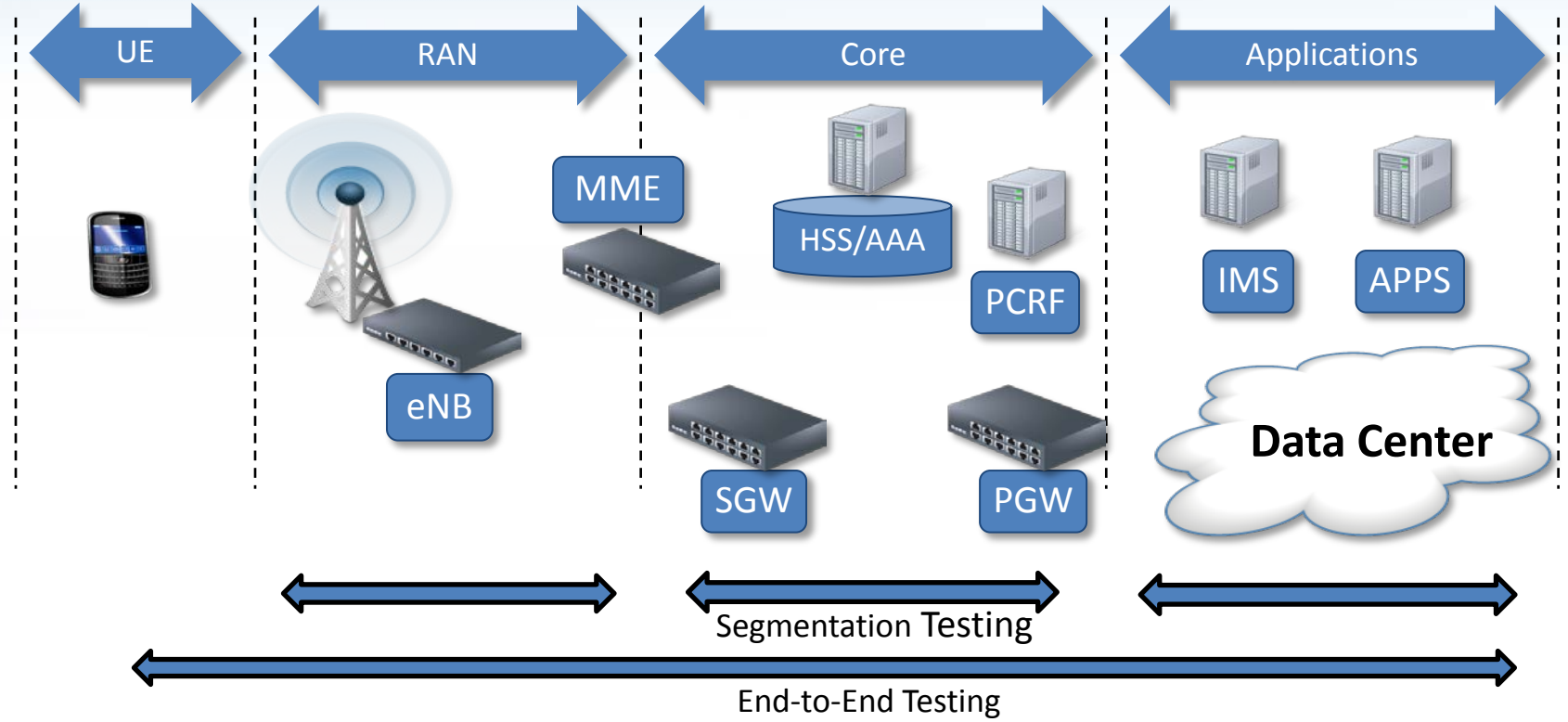
Key components to an effective performance management strategy

Brian Harvell
VP, Product Engineering
SevOne

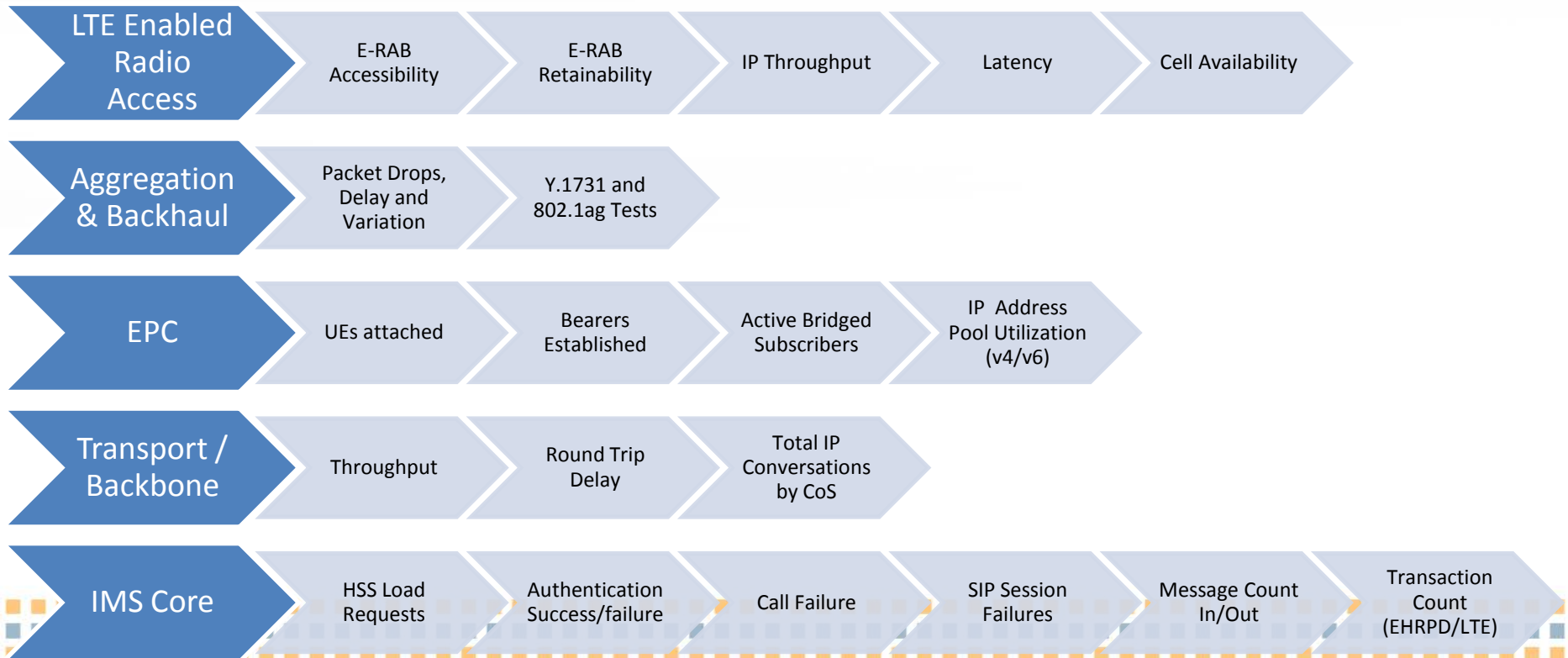
The Six Key Steps To Effective Performance Management

- 1. COLLECT**
- 2. BASELINE**
- 3. THRESHOLD**
- 4. ALERT**
- 5. REPORT**
- 6. ANALYZE**

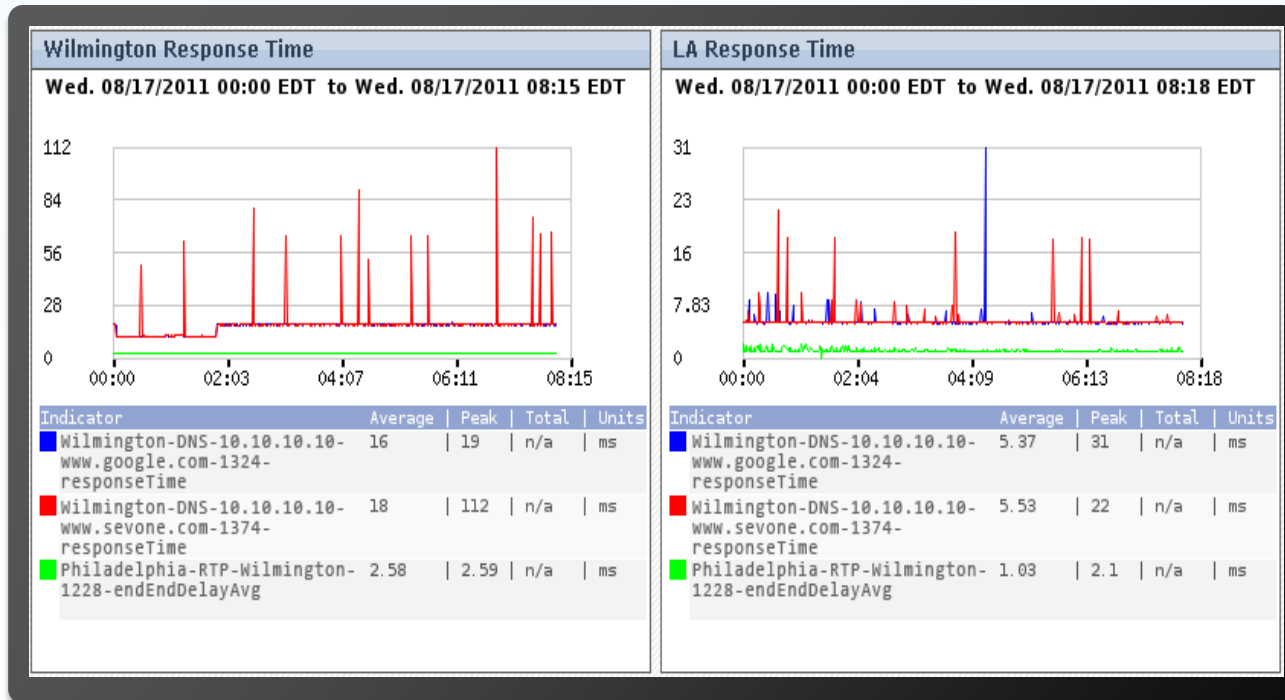




What Should You Collect and Measure?

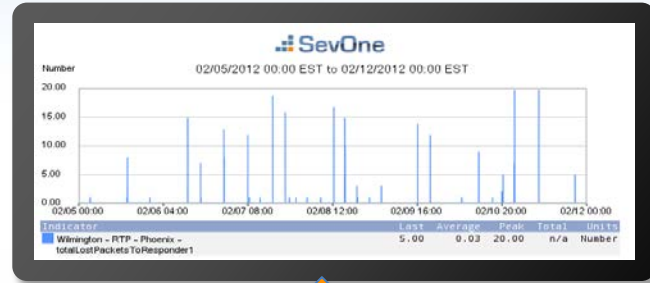


End to End Latency Reporting



IP Backhaul KPI Reporting

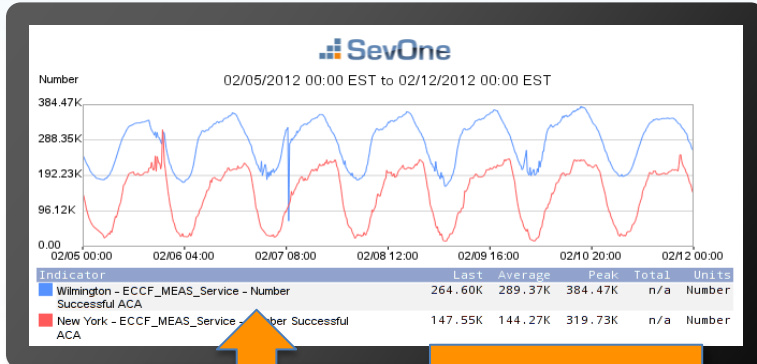
Latency



Packet
Loss

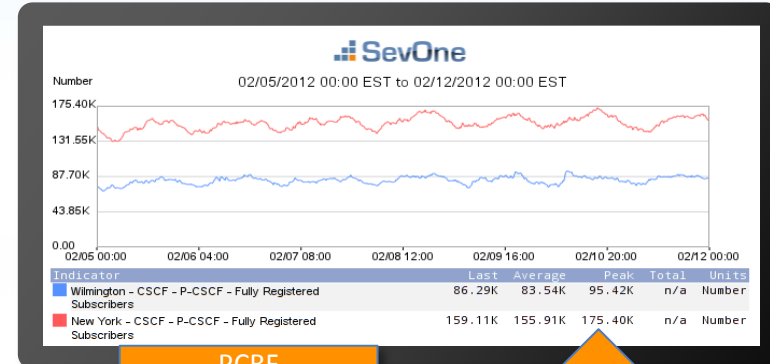
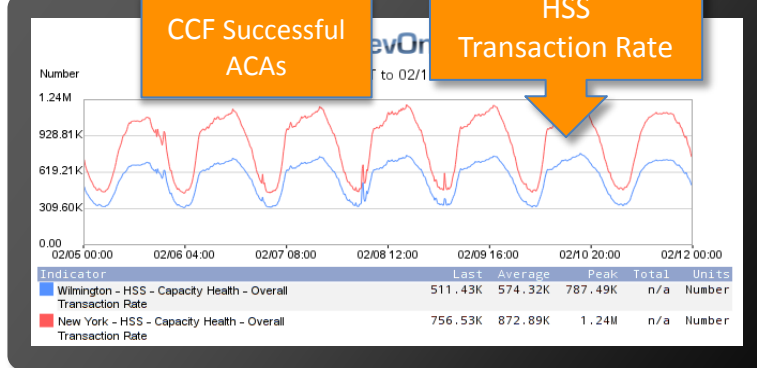
Jitter





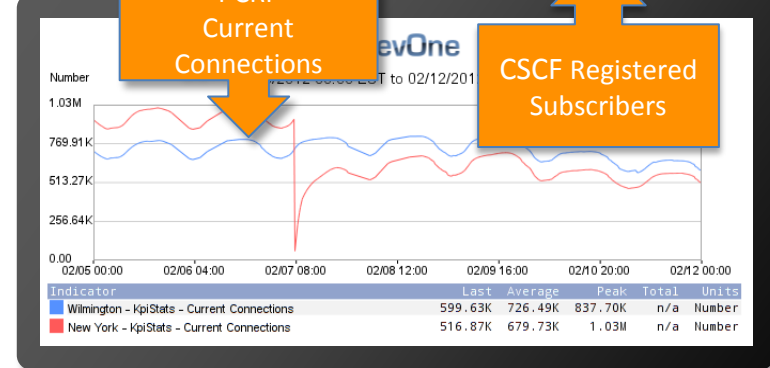
CCF Successful ACAs

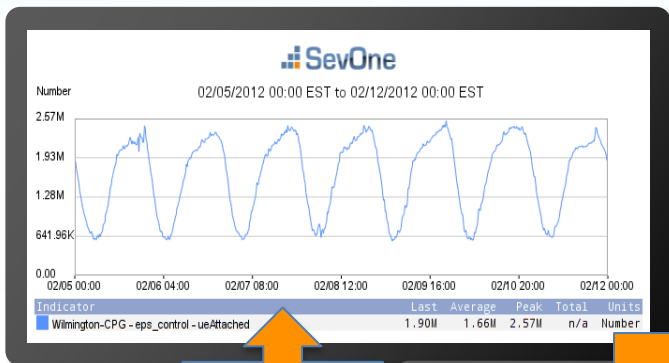
HSS Transaction Rate



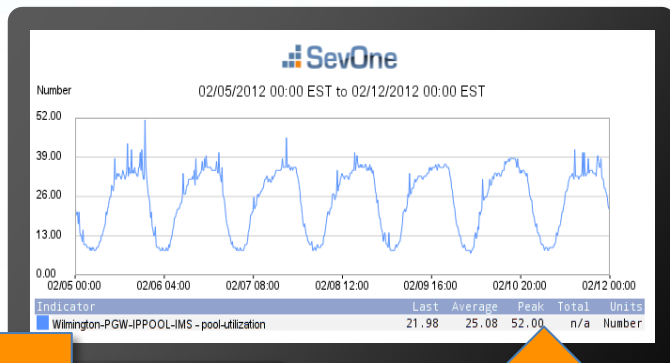
PCRF Current Connections

CSCF Registered Subscribers

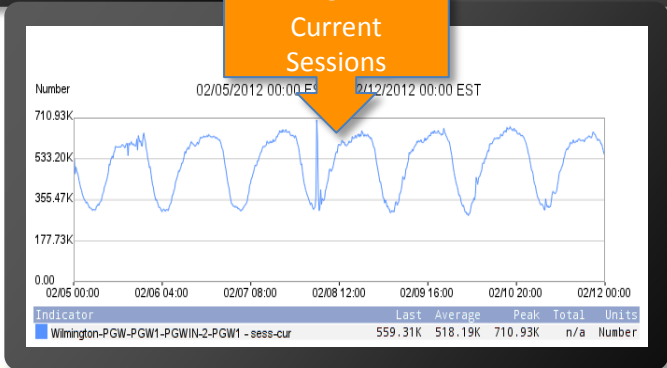




CPG UEs Attached



PGW IP Pool Utilization

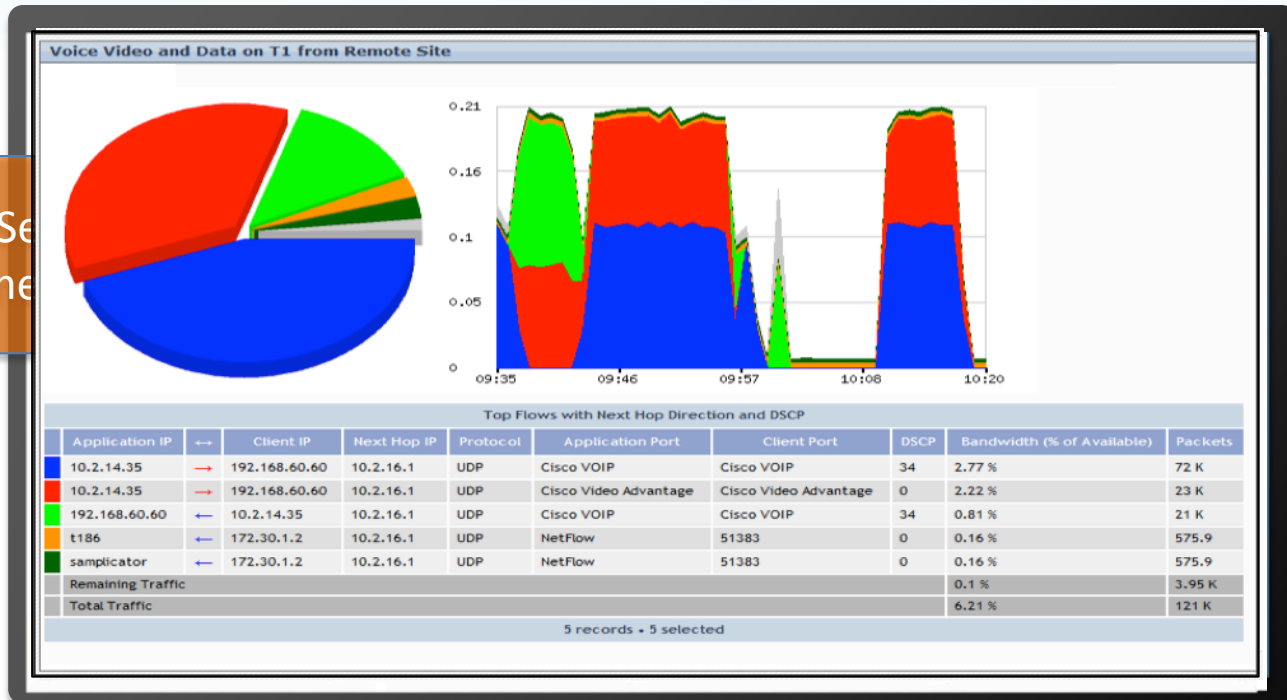


PGW Current Sessions



Alert
Explore
Explain
Resolve in
Seconds!

See
time



- Discovered while working at AOL in local time 90s
- login rate
- Illustrates importance of performance
- Took ~~one~~ ^{many} weeks to diagnose
- Why cause? Users logging off system to watch Seinfeld

