

TCU Network Services KPI Dashboard

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Access Point (AP)

- 3200 Access Points
- Info from AP sent to Cisco Prime



The Problem

- Hard to have proactive maintenance and improvement of the network
- Issues go unnoticed
- Finding an issue takes time and involves sifting through long reports
- Clients don't complain until they are fed up

Our Solution

- Routinely fetch Cisco Prime Data reports
- Analyze the Data
- Create specific Key Performance Indicators (KPI's)
- Display the KPI's in a concise and informative local webpage
 - Top 10 List
 - Charts, Graphs, Tables, etc.
- C#
- .NET Framework

Key Performance Indicators (KPI's)

- **Rogue AP's**
- Wireless Channel Utilization
- AP Utilization
- Client Failed Association & Authentication
- Excluded Clients
- Number of Failed Authentications
- Radio Power Fluctuations
- Radio Channel Fluctuation
- Coverage Holes



Example KPI: Rogue AP's



Detecting AP Name	Radio Type	Controller IP Address	Detecting AP Map Location	SSID
EXB2WAA-RM-213	802.11a/b/g/n/ac	127.0.0.1	System Campus > Example Building > Building 2nd Floor	My Router
EXB211WAb-HL-100	802.11a/b/g/n/ac	127.0.0.1	System Campus > Example Building 2 > Example Building 2 1st Floor	No MY Router

*Sensitive data redacted

Any Questions?

