

## Brent Cushenbery

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**From:** Dave Smith <DSmith@mcoe.us>  
**Sent:** Monday, October 26, 2015 5:15 AM  
**To:** Brent Cushenbery  
**Cc:** Sky Shorba  
**Subject:** Preliminary Suggestions Point Arena Unified School District

Good Morning Brent,

Here are the preliminary suggestions for changes to the Point Arena Unified School District for network changes:

- Add two site servers at both CSME Connections (High School and Elementary School)
  - o DHCP Services
  - o DNS Services
    - Internal
    - Maybe a third external DNS server
  
- Segment your network switches and both networks in to separate VLAN's:
  - o Secure
  - o Admin
  - o Staff
  - o Student
  - o WiFi
    - Staff
    - Student
  - o Public
  
- Clean up network and check for any inappropriate wiring or network loops
- Configure and check WiFi Ap devices
  - o Adding one per classroom
    - Reduce the saturation of current units
    - Ensure mesh topology and seamless transitions
    - Check for load balancing


Something else you might consider is adding Active Directory to your domain / sites for authentication for your staff members, but that maybe something we can look at as a phase 2 installation down the road once the network is more solid and more to standard.

I hope this helps, if you need anything more let me know.

Respectfully,

D. Smith

***Dave Smith***

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