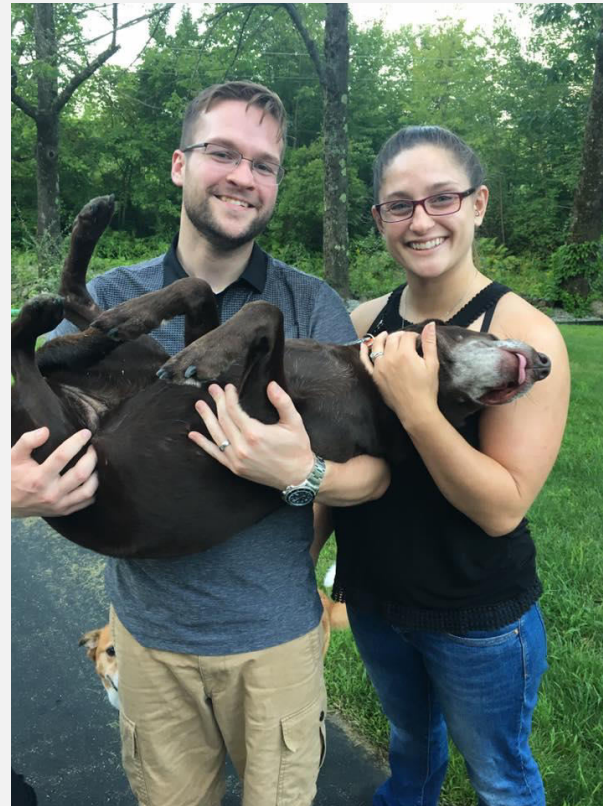


DEPLOYING AT SCALE

WHO I AM

- Chris Reed - @TheCMReed
 - You may know me from Twitter
 - I know you from Twitter
- Lead Network Engineer – BEI Networks
- CWNA, ECSE
- Wired/Wireless networking since 2009
- I college & 3 NFL stadiums



THE WI-FI ASSEMBLY LINE

HANDCRAFTED DOESN'T WORK



YOU CAN'T DO IT ALL – BREAK IT DOWN INTO COMPONENTS

- Make an assembly line
 - Fast
 - Consistent
 - Accurate
- Complex tasks get broken down into simple components
 - Junior resources can handle components

LABEL AND SCANNING

- All in one place
- Inventory into spreadsheet
 - Barcode or QR. Don't type
- Labeling
- Assembly
- Palletize into sections
- Box it back up if necessary



ASSEMBLY – ONE SPOT

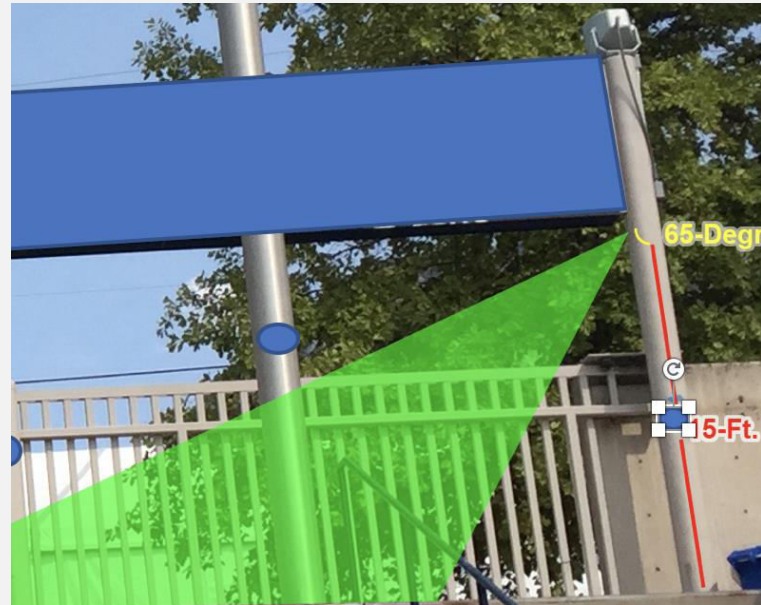


DOCUMENTATION

- Make it as clear as possible
- Make it easy for installers to make a good install decision
- Spreadsheets with a referenceable ID work great. ID or the name goes onto the map
- Fun Fact: Visio objects can reference a spreadsheet as a data source
 - Now wasn't that fun?

MOCK UP & WALKTHROUGH

- Hand off example install photos or mockups in Visio/photoshop - Don't let them figure it out themselves
- If you can do a walkthrough to cement the understanding DO IT
- If you can mark the locations during the walkthrough DO IT



INSTALLATION – POINT OF NO RETURN

- Validate Validate Validate
- Watch the first install of each install model
- Say no early. Its easier to correct before everything is installed.



CONFIGURATION – DON'T YOU BE CLICKING

- Don't you dare click through the GUI to name APs and configure radios
- You're wasting your time, and you're going to make mistakes, there's a better way
- 1200 APs @ 40 seconds per is 15 hours
- Script, or application, or spreadsheet input to CLI– all are cheap to develop if you don't know how to do it
- Get some training, have an application made, use google sheets



MOST IMPORTANT

- Find partners that you trust
 - Good partners make large scale fun
 - Bad partners make any scale awful