

An overhead view of a meeting around a light-colored wooden table. Five people are seated around the table, engaged in a discussion. The table is cluttered with various items: a silver laptop, several smartphones, two coffee cups on saucers, a water bottle, and several documents. One document features a pie chart and bar graphs. A tablet is being held by one of the participants. The background shows a patterned rug and a textured wall.

Cyber Security Planning – Managing Tools, Talent & Technology

PTC 2020

Cyber Security Planning

Managing Tools, Talent & Technology

- Budgeting for infosec beyond just standard IT is difficult and can be expensive
- Hiring, training and keeping a talented infosec person is hard
- Technology is expensive – multiple point products may be required to meet your regulatory, compliance or security needs. How do you pay for and manage them all?

Planning & Prioritizing – Tools

“Must have” tools to be successful (CIS Controls v7.1 - basic)

- Accurate inventory of hardware and software assets
- Vulnerability management
- Secure configurations of all assets (“Golden Images”)
- Maintenance, monitoring and analysis of audit logs (SIEM)
- Quality Backups

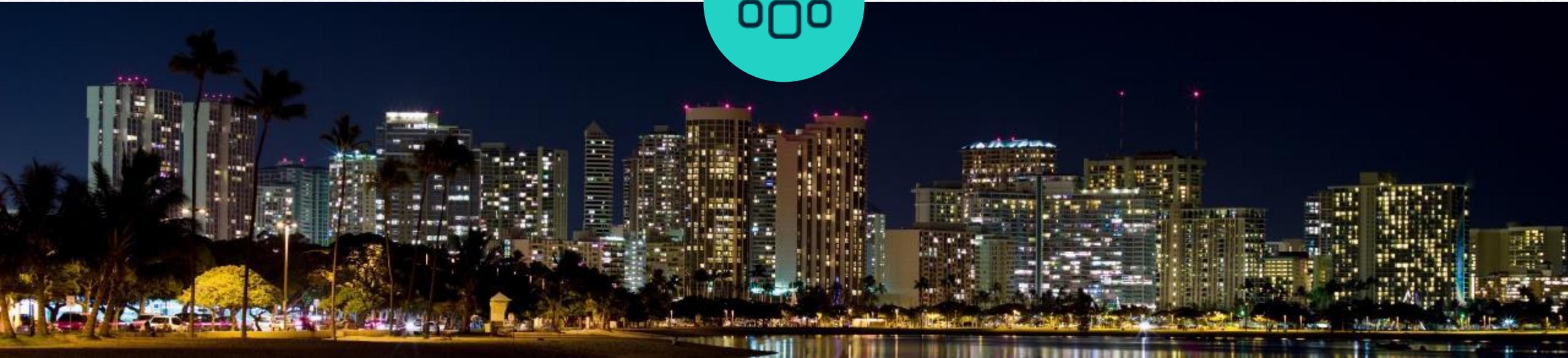
Match technology and talent

- Connect Tools and Talent as part of the picture of success
- Businesses need a technology roadmap
- Roadmaps evolve over time to meet business objectives
- Make smart investments in technology that your team can support
 - Don’t buy so many tools that your team is focused on tool management and not CIA triad
 - Technology investment does not equal security

Cyber Talent

Two opposing (or complementary?) approaches

- Retain the talent you have through Career development
 - Make a list of all the things your Infosec team should learn or know
 - Link these requirements to the roles in your plan
 - Allocate portion of your budget for training and certifications
- Embrace Turnover
 - Robust new hire training
 - Solid, documented procedures and policies
 - Industry standard (or easy to use) toolset
- Find a partner that can fill your gaps
 - Utilize annual retainer, project based work, or managed security services
 - Managed Services





In Conclusion

- Focus on the tools that align with your security goals & budget
- Invest in your talent through training and career development
- Develop a technology roadmap that supports the business



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