

How Many Pillars?

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Agenda

- Strategic Goals
- Operational Options
- Tactical Options
- Future Considerations

Presentation Name

Strategic Goals

Long term planning to obtain a desired goal.

Strategic Goals – CSIRTs, Companies, Vendors/suppliers

1. You believe cybersecurity is a serious problem and we must act.
2. You wish to avoid cyber attacks.
3. You are willing to fund and otherwise support cybersecurity measures.

Presentation Name

Operational Plans

Creating operational or action plans to provide the structure to obtain the strategic goals.

Operational Plans - Company

1. Supply the purchasing department with guidelines/requirements that align with the strategic goals.
2. Do your suppliers have these capabilities?
 - CVD - Coordinated Vulnerability Disclosure
 - Secure Updates – How does the vendor provide updates?
 - SBoM – Software Bill of Materials
 - End of Life/Security Support – How long will the vendor support your key devices or software?

Operational Plans - CSIRTs

1. List the vendors or suppliers that have implemented a security portal for the customers to determine if these services are available prior to product purchasing:
 - CVD - Coordinated Vulnerability Disclosure
 - Secure Updates – How does the vendor provide updates?
 - SBoM – Software Bill of Materials
 - End of Life/Security Support – How long will the vendor support your key devices or software?

Operational Plans – Vendor/Supplier

Supply the purchasing department with requirements that align with the Strategic goals:

- CVD - Coordinated Vulnerability Disclosure
- Secure Updates – How does the vendor provide updates?
- SBoM – Software Bill of Materials
- End of Life/Security Support – How long will the vendor support your key devices or software?

Provide the documentation which demonstrates your company's support of cybersecurity. Develop a web portal which supports the:

- Intake of vulnerability reports;
- lists updates and upgrades (\$\$) and how to obtain the software;
- provides a location to retrieve the SBoM; and
- notifies the customer in advance of end of support.

Presentation Name

Tactical Implementation

Utilizing the operational plan to structure the implementation to support the strategic goals.

Tactical Implementation - CSIRT

Tactile Implementation – Vendor/Supplier

Supply the designers and developers with requirements that align with the Strategic goals:

- CVD - Coordinated Vulnerability Disclosure

- Secure Updates – How does the vendor provide updates?

- SBoM – Software Bill of Materials

- End of Life/Security Support – How long will the vendor support your key devices or software?

Provide the documentation which demonstrates your company's support of cybersecurity.

- Publish a web portal which supports the strategic goals

- Vulnerability intake, testing, mitigating or remediating the vul

Presentation Name

Future Considerations

Future Considerations

- International Standards Organization (ISO) is where the Strategic and Operational guidance is developed, debated, and finalized.
- NIST should update the Cybersecurity Framework (CSF) to include vulnerability report intake capability, mitigation or remediation of the vulnerability and then alerting customers of the need to update or patch.

Future Considerations

- Encourage transparency to allow the consumer/customer to conduct their own assessment of their CSF compliance status.
- SBoM is only a starting place! Consider how companies can develop a PBoM (Production (or product)) Bill of Materials. The PBoM could include the __entire__ production cycle and identify dependencies. This type of information could support the customer in determining if they're vulnerable!

Questions?

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