

The 80/20 Rule of Information Security :: Projects Chart

Version: 2.01



What if you could accomplish 80% of your security needs by utilizing 20% of your resources? Now, you can. Complete these projects and build an infosec program with leverage!

The experienced MSI team can work with you to build a roadmap for your organization, establish specific project plans and guide you through each of the projects below:

Project	Technical Complexity	Financial Cost, Resource Reqs	Notes
Asset, trust and data flow mapping	<i>Medium</i>	Medium, Manual process, build real graphical maps for these items to understand your environment and needs	Layered formal mapping is required, some of this data is likely to exist if you have mature DR/BC
Basic risk assessment and threat modeling	<i>Medium</i>	Low, Can be done in house or with minimal external cost	Does not need to be full blown unless regulatory requirements exist, primary key is determining what regulations and best practices apply
Ongoing external, internal and application assessments	<i>High</i>	Medium, Third party assessments are affordable but application testing may be more expensive depending on complexity	Outsource this for best ROI, ensure complete coverage of all systems, networks and data assets, some automated tools may help
Minimize attack surfaces	<i>Medium</i>	Medium, May require network architecture and process changes	Includes minimizing all forms of external access and ensuring that all default credentials are eliminated, as enclaving is embraced this process should be applied to enclaves as well

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Implement egress filtering	<i>Medium</i>	Low, Capability is likely already in place but requires a project to minimize operational impact	Political will is required for this project, extrusion testing may assist to create project plan and priorities
Implement enclave computing	<i>High</i>	High, Redesign and re-architecture of the network environment into zones of trust; Requires a great deal of technical, security and managerial effort	Essential to reduce compliance scoping, create compartments to minimize initial-stage compromises and achieve large scale resource reductions in the long term
Create anomaly detection capabilities	<i>High</i>	Medium, Requires a project and will take time to establish processes and normal operational baselines	Items such as log monitoring, HoneyPoint, account auditing, etc. are included here
Define formal policies and processes	<i>Low</i>	Low, Easily created from templates by extending your threat models and risk assessment findings into controls and procedures	External package is available and highly successful for rapid creation and implementation
Deploy multi-media awareness process	<i>Low</i>	Low, Customizing the message, format and media will help users retain information longer	This can be performed in house or outsourced, focus on preventing data theft and increasing detective capability of end users in their day-to-day job functions

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Implement configuraton baselines to harden the environment organically over time	<i>Low</i>	Low, Refine processes and systems so that they meet or exceed your policies and baselines	Creation process is medium since templates are available for almost all needs, over time this process establishes tools for the security team to use to reduce their resource requirements since it provides guidance for other teams and lines of business
Create and train an Incident Response Team	<i>High</i>	Medium, Base the process on policy and process documents as defined earlier; Use initial training sessions, then periodic table top and mock-up sessions to retain capability	Medium resource requirements since it reaches across lines of business and requires ongoing sessions
Identify skills gap and provide for ongoing information security training	<i>Low</i>	Medium, Training can be costly, but several low cost alternatives exist. Making knowledge growth a priority and assigning time and resources to it may be enough if deliverables can be determined and properly managed. Deliverables could be presentations, training sessions for other staff members, conference speaking or certifications, etc.	Knowledge transfer in an ongoing process is available in a managed mentor relationship from MSI and may be delivered alone or as a part of other ongoing services

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Deploy rational cryptography	<i>High</i>	High, Crypto has high resource requirements to scope, implement and manage. Technical, security and management skills are required.	Solutions must be applied in a manner that achieves protection without unneeded resources and long term management of the tools. keys and implementations is a significant task without experience

Just think - by choosing a customized approach based on these elements, you will create a unique security solution that will help your organization save immense resources now and in the future. Why not give us a call to learn how you can optimize your efforts AND secure your enterprise? Call today at (877) 351-1237 to schedule a short meeting. ***We will help you make your data safer, with less stress.***