



IMPLEMENTATION

STEP 4: IMPLEMENT

The purpose of the Implement step is to implement the controls in the security and privacy plans for the system and for the organization and to document in a baseline configuration, the specific details of the control implementation.



TABLE 5: IMPLEMENT TASKS AND OUTCOMES

Tasks	Outcomes
<p><u>TASK I-1</u> CONTROL IMPLEMENTATION</p>	<ul style="list-style-type: none">Controls specified in the security and privacy plans are implemented. <i>[Cybersecurity Framework: PR.IP-1]</i>Systems security and privacy engineering methodologies are used to implement the controls in the system security and privacy plans. <i>[Cybersecurity Framework: PR.IP-2]</i>
<p><u>TASK I-2</u> UPDATE CONTROL IMPLEMENTATION INFORMATION</p>	<ul style="list-style-type: none">Changes to the planned implementation of controls are documented. <i>[Cybersecurity Framework: PR.IP-1]</i>The security and privacy plans are updated based on information obtained during the implementation of the controls. <i>[Cybersecurity Framework: Profile]</i>



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Quite possibly the most time consuming step and requires technical/administrative expertise to execute (typically by system administrators and managers respectively)



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Implementing a control can be done in a variety of ways and will depend on the implementer to decide as long as the objective of the control is met.



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e.g an administrative control (security policy) that prevents employees from using USB drives.

Implementer can decide to either use the security policy as a deterrent or simply disable USB drive ports.



STEP 4: TAILORING VS SCOPING

Tailoring refers to the process of modifying the set of controls to meet the specific requirements of the organization while scoping (a part of the tailoring process) refers to reviewing a list of baseline security controls and selecting only those controls that apply to the IT systems that the organization are trying to protect from cyberattacks



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The step manager should ask the system administrator implementing the controls two key questions.

- What are the timeline estimates?
- Any potential obstacles? (training, finances etc)





soft skills

