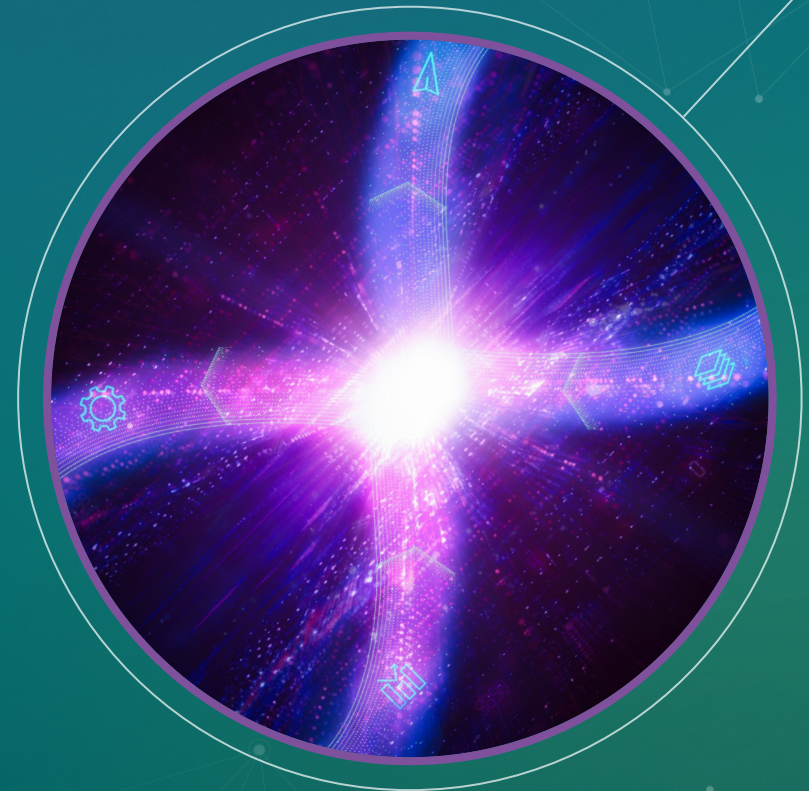


Making the Jump to Light Speed: The Continued Evolution of the Software Security Framework

Jake Marcinko, Sr. Manager
PCI Security Standards Council



Han Solo, Captain of Millennium Falcon

General, Rebel Alliance (Retired)



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PCI Software Security Framework



PCI Software Security Framework (SSF)



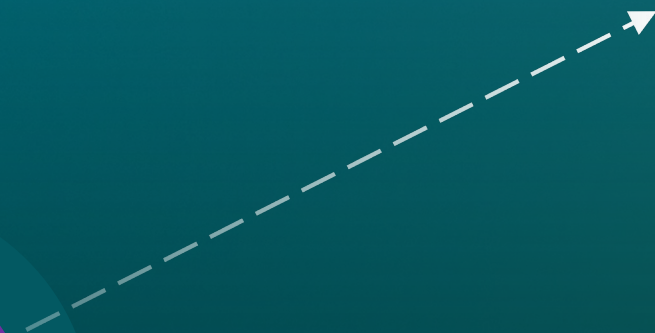
Overview

A framework to standardize and consolidate software security principles and practices for payment software and payment software providers under a single requirements architecture with supporting validation and listing programs.

A New Approach to Software Security



PA-DSS

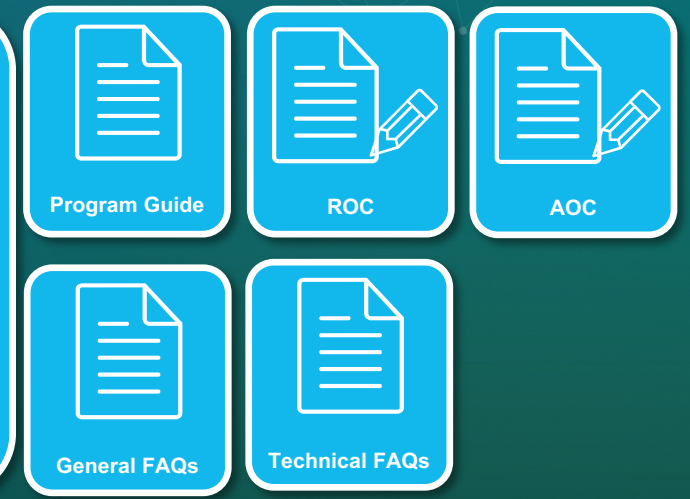
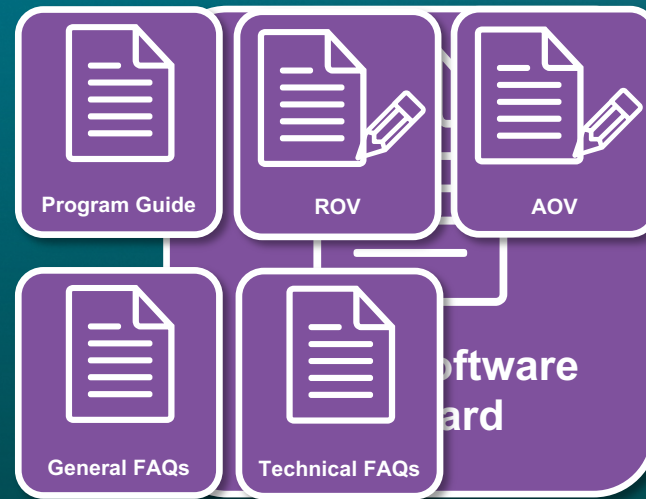


Software
Security
Framework

Software Security Framework



Standards and Supporting Documentation



Secure Software Standard



Requirement Modules



Core Module

Requirements for ALL payment software.



Account Data Protection Module

Requirements for payment software that stores, processes, or transmits PAN/SAD.



Terminal Software Module

Requirements for payment software deployed on PCI-approved PTS POI devices.



Web Software Module

Requirements for payment software deployed using Internet-accessible clients and technologies.

Web Software Module



Overview

- Browser-based payment apps
- Web APIs
- Embedded third-party code
- Administrative interfaces



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Web Software Module



Control Objectives

- C.1: Web Software Components & Services
- C.2: Web Software Access Controls
- C.3: Other Web Software Attack Mitigations
- C.4: Web Software Communications

Web Software Module



Module-specific Requirements

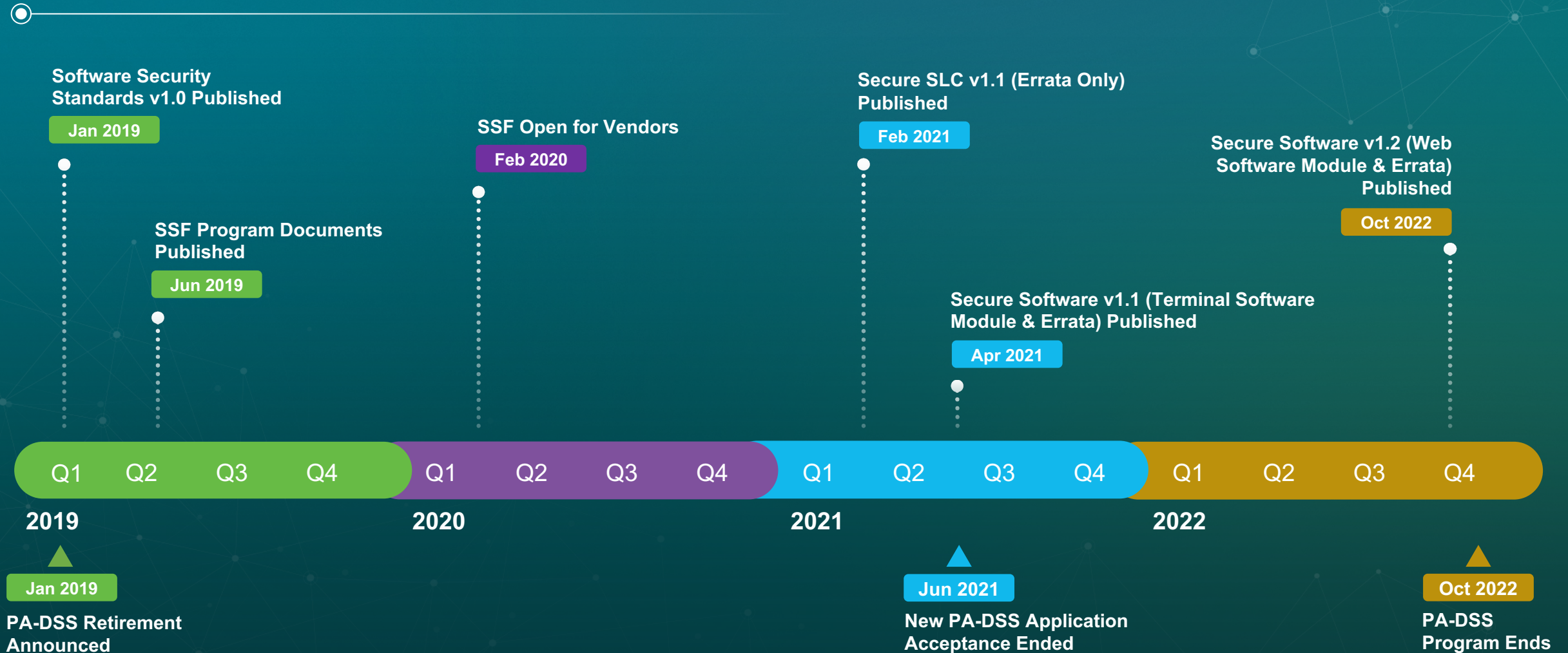
- Some module requirements have broader applicability
- Likely to end up on CORE upon a future update.



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PA-DSS Replacement Timelines



After PA-DSS Expiry



Current PA-DSS Payment Applications valid until expiry of PA-DSS 3.2 October 28, 2022



Listed Apps Moved to Acceptable for Pre-Existing Deployment Only for Indefinite Period



Check with Payment Brands for questions on continued usage

Next Steps for SSF



Major Revision Planned

- Development on v2.0 to start in early Q1 2023

2020

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Next Steps for SSF



Major Revision Planned

- Development on v2.0 to start in early Q1 2023
- Updates to both standards and programs
- Reorganize security requirements
- Standardize use of language and terminology
- Improve alignment with other industry standards
- Address new threats and use cases

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SSF Resources

SSF Documents Library

Blogs:

Blog listing of all SSF entries:

<https://blog.pcisecuritystandards.org/topic/software-security-framework>

SSF Training blog entry:

<https://blog.pcisecuritystandards.org/registration-now-open-for-software-security-framework-new-assessor-training>

The screenshot shows the PCI Security Standards Council website. At the top left is the PCI Security Standards Council logo. To the right are links for 'Contact', 'FAQs', and 'Change Your Language'. Below these is a search bar. A navigation menu contains: 'Get Started', 'Assessors & Solutions', 'Document Library', 'Training & Qualification', 'About Us', 'Get Involved', 'Newsroom', and 'FAQs'. The main heading is 'PCI PERSPECTIVES' with the subtext 'Insights, information and practical resources to help your organization protect payment data.' The page features a grid of six blog posts:

- Registration Now Open for Software Security Framework New Assessor Training**: Posted by Alicia Malone on 3 Sep, 2020. Registration is now open for Software Security Framework (SSF) New Assessor Training.
- Request for Comments: Secure Software Standard Update: Draft Terminal Software Module**: Posted by Alicia Malone on 21 May, 2020. From 21 May to 22 June 2020, PCI SSC stakeholders can participate in a Request for Comments (RFC).
- Resource Guide: Transitioning from PA-DSS to the Software Security Framework**: Posted by Laura K. Gray on 21 Oct, 2019. The PCI Security Standards Council (PCI SSC) has published a resource guide with key information.
- New Assessor Opportunity: PCI Software Security Framework**: Posted by Laura K. Gray on 2 Oct, 2019.
- Understanding the PCI Software Security Framework: New Educational Resources**: Posted by Laura K. Gray on 16 Sep, 2019.
- PCI Software Security Framework FAQs: PA-DSS Impact and Transition**: Posted by Laura K. Gray on 19 Jul, 2019.

On the right side, there is a 'Subscribe Here' button and a 'Search This Blog' search bar. Below these are 'CATEGORIES' with counts: 3DS (8), Acquirers (2), APAC (5), Approved Scanning Vendors (2), Apps (24), Assessors (5), ATM Security (6), Awareness (30), BAU (10), Board of Advisors (13), Brazil (11), Breaches (16), and Card Production (1).

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Thank You!



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