

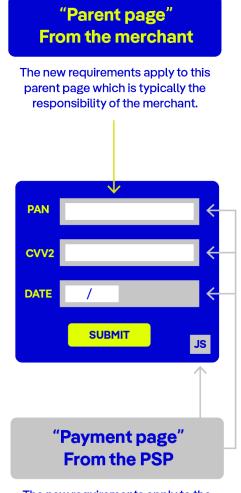
# **PCI DSS v4.0 for Payment Service Providers**

PCI DSS v4.0 contains two new requirements aimed at ensuring the integrity of pages where payment is taken on an e-commerce website. These requirements will become mandatory on 1st April, 2025.

**Requirement 6.4.3** is designed to protect an entity against skimming attacks by ensuring that all 1st party and 3rd party JavaScript present in the payment page is actively managed by:

- Maintaining an inventory of all the scripts in a page;
- Documenting why each script needs to be on the payment page;
- Recording that each script is specifically authorized;
- Ensuring the integrity of each script.

**Requirement 11.6.1** is designed to alert an entity when a first- or third-party script (or the HTTP headers) of the website change, so that unauthorized changes are detected and quickly rectified.



The new requirements apply to the payment iframe(s), which are the responsibility of the PSP.

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#### Payment Service Providers (PSPs)/Payment Gateways will need to be able to:

- Meet these new requirements for their own payment pages.
- Support merchants using PSP's solutions that typically would allow the merchant to meet the eligibility criteria for SAQ A and SAQ A-EP.
- Provide an entirely outsourced solution to enable merchants to complete SAQ A.

# How Jscrambler can help

Jscrambler has been protecting clientside JavaScript from criminal attacks for over 10 years. Jscrambler's Webpage Integrity (WPI) and Code Integrity (CI) products can helps PSPs.

### **Code Integrity**

CI uses polymorphic code obfuscation to combat reverse engineering attempts. At the same time, it makes code tamper resistant, allowing preset reactions such as breaking the code to prevent attackers from analyzing or modifying it at runtime. CI will protect the JavaScript that PSPs provide to merchants to create the payment form.

#### Webpage Integrity

WPI protects payment pages from multiple types of attacks, like data skimming and form jacking, while also providing a real-time inventory and risk assessment of all JavaScripts running on the payment page.

WPI can be appended to the JavaScript that PSPs provide to their merchants to create the payment page. This allows the merchant to comply with the PCI DSS v4 requirements while providing the PSPs with real-time intelligence about attacks and the parent page environment.

Where PSPs also include third-party JavaScript in the payment page itself, WPI would both protect against malicious scripts and and help meet the new requirements.



Jacrambler is a **Principal Participating Organization** of the **PCI Security Standards Council.**