

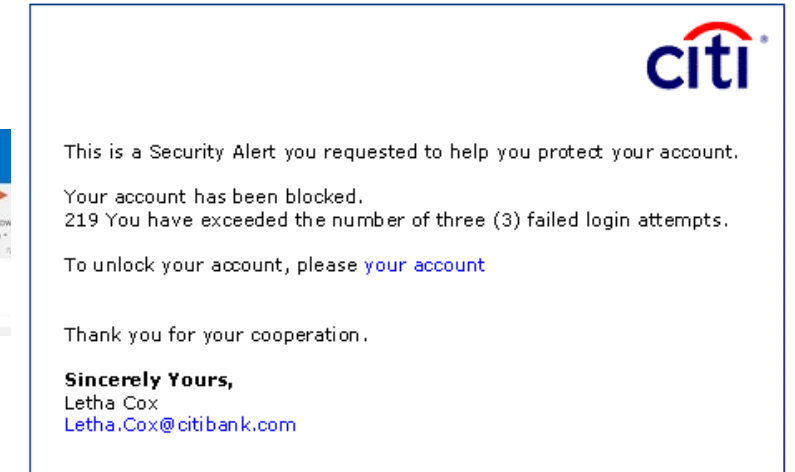
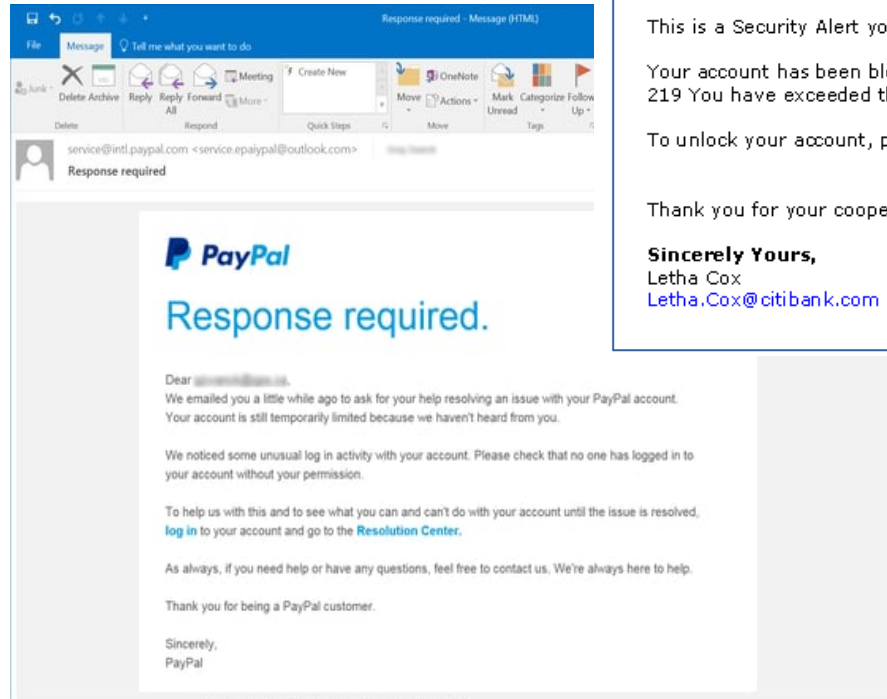
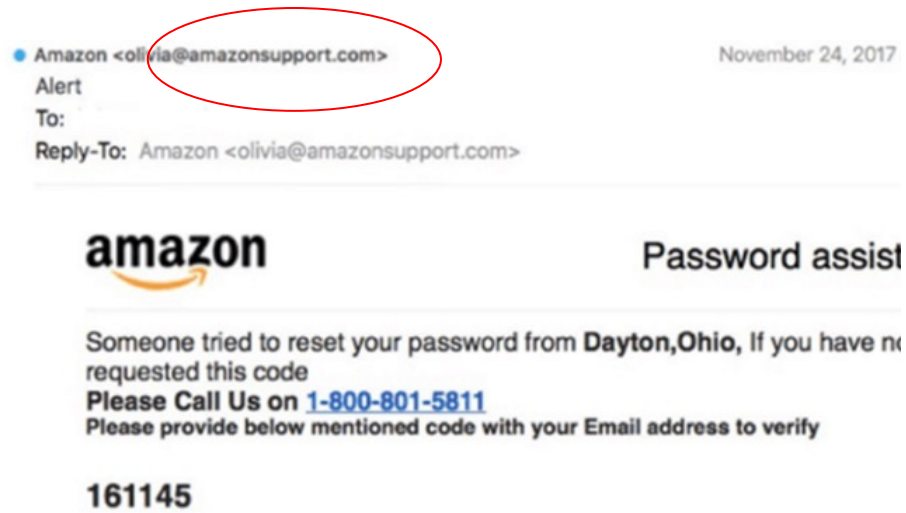
Preventing Phishing and account takeover attacks with FIDO

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December 1, 2022

Phishing attacks

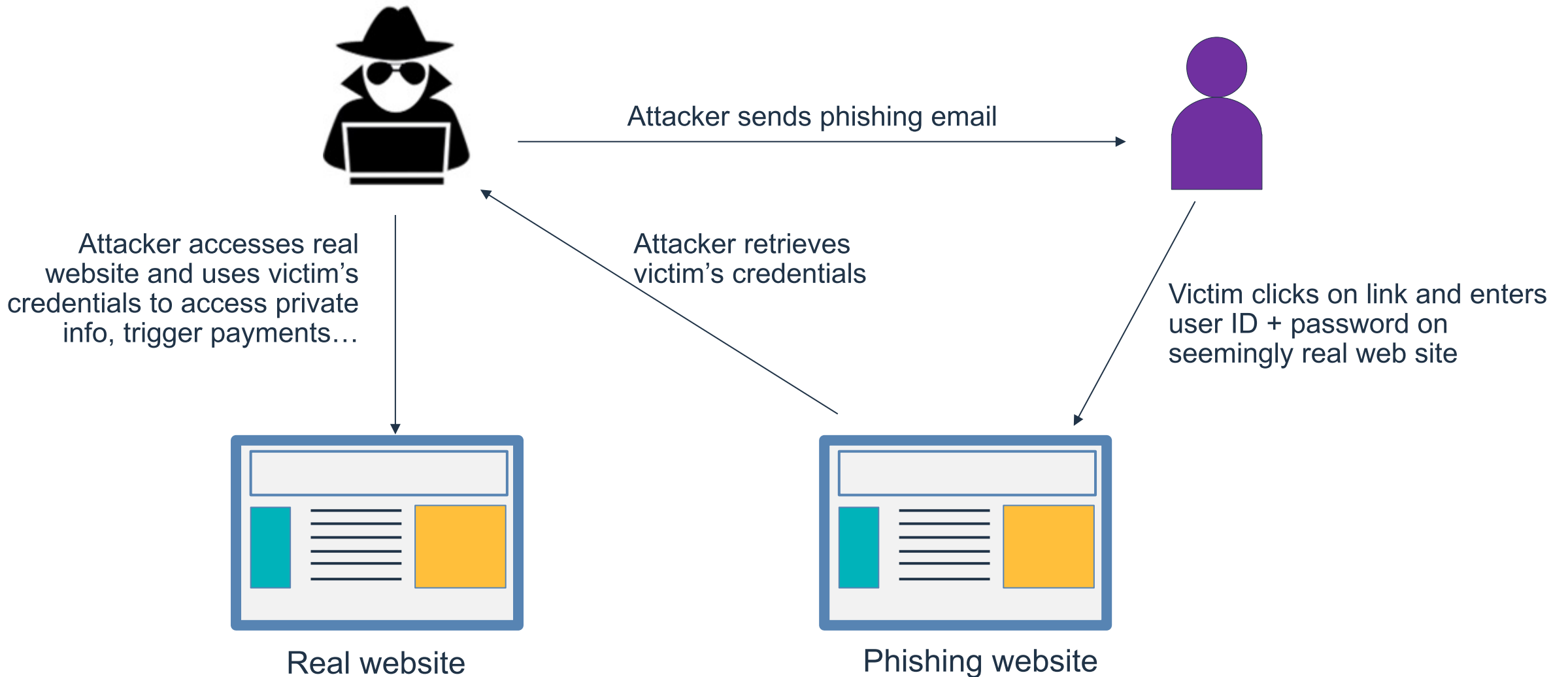
- Are increasingly sophisticated and hard to detect
 - Up to 70% of phishing emails are opened*
 - Of those, 50% of users click on malicious links*
 - ...

----- Forwarded Message: -----
From: "alerts@citi.bank.com" <ALERTS@CITIBANK.COM>
To: recipient@email.com
Subject: Security Alert: 06699
Date: Thu, 29 May 2008 12:41:41 +0000



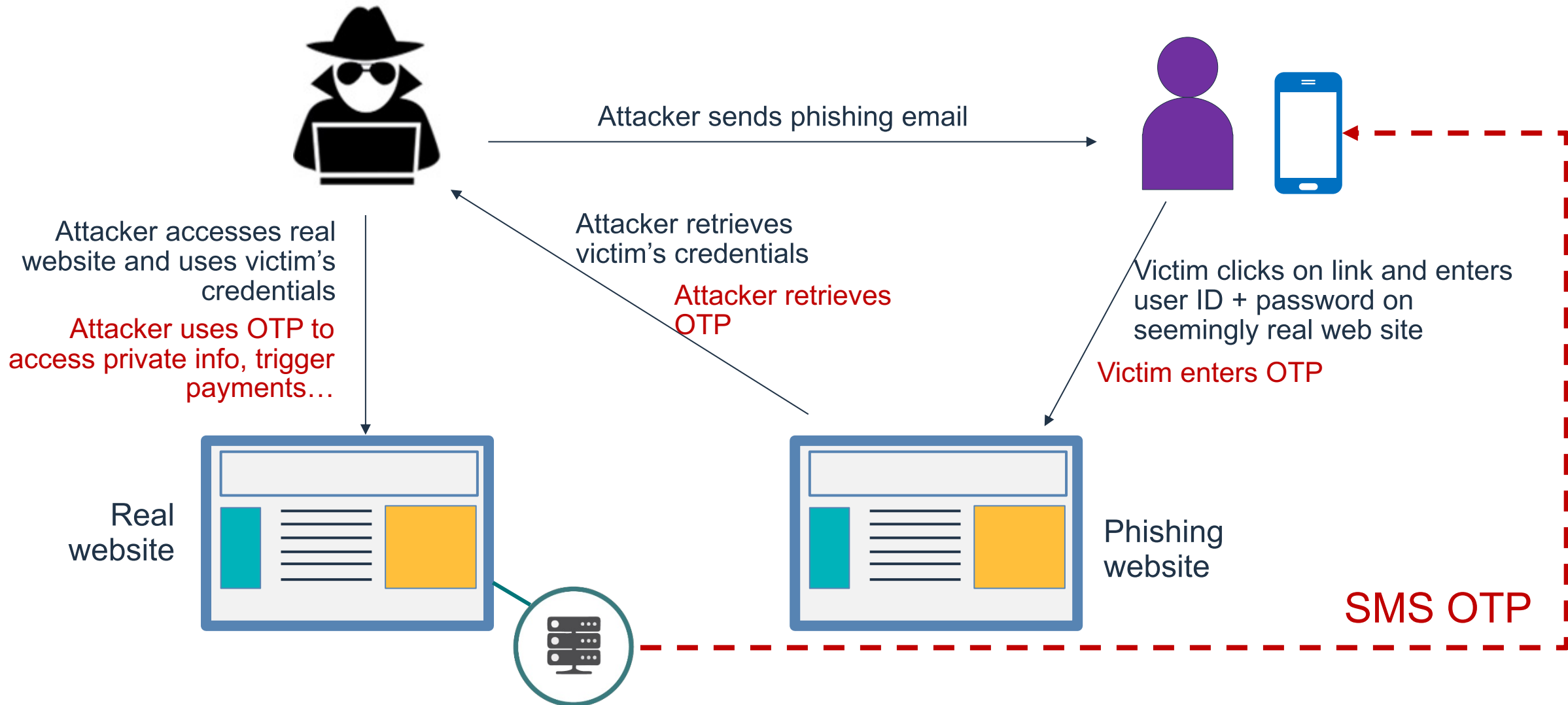
* Source: <https://dataprot.net/statistics/phishing-statistics/>

How phishing attacks work

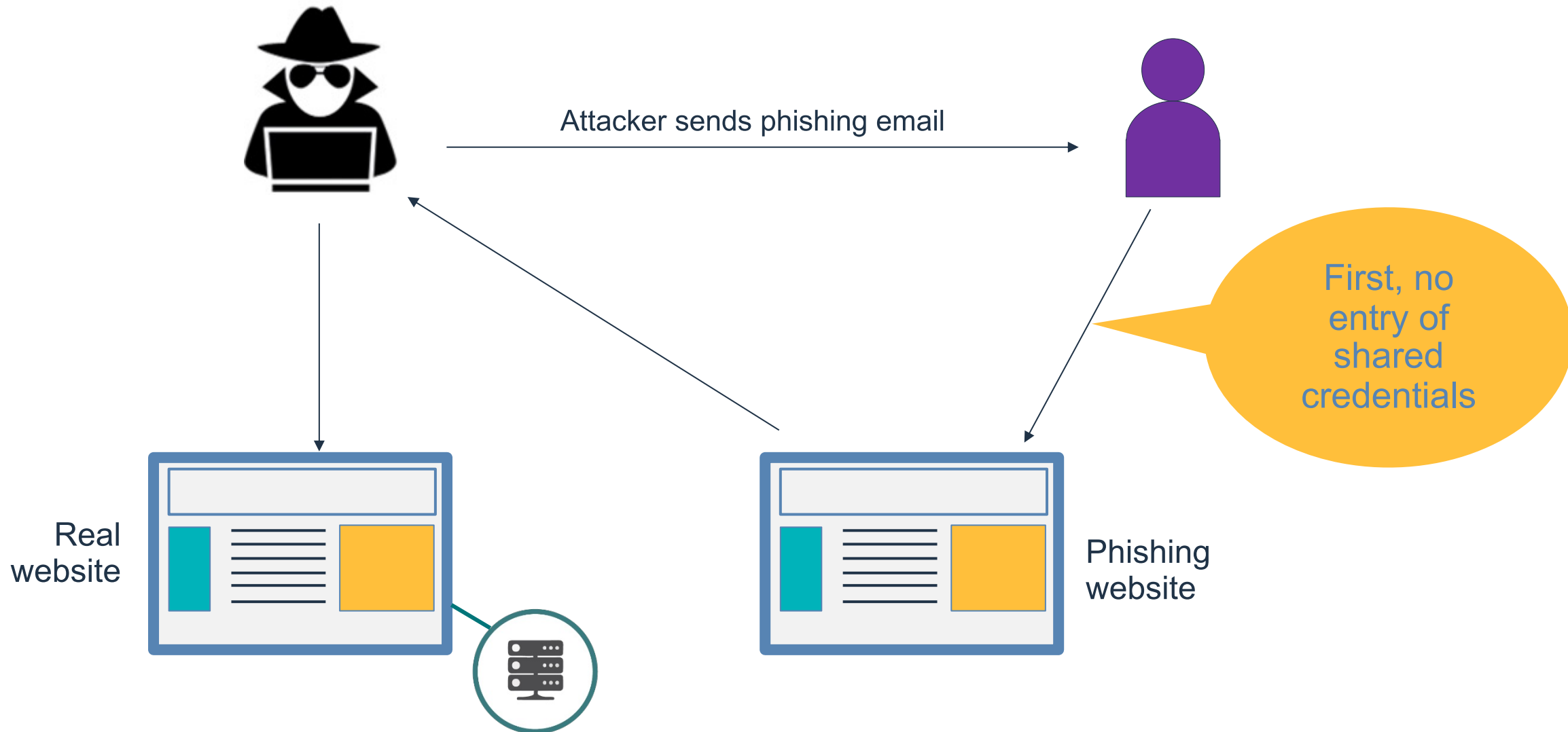


OTP based 2nd factor
authentication does not help

How OTP phishing attacks work

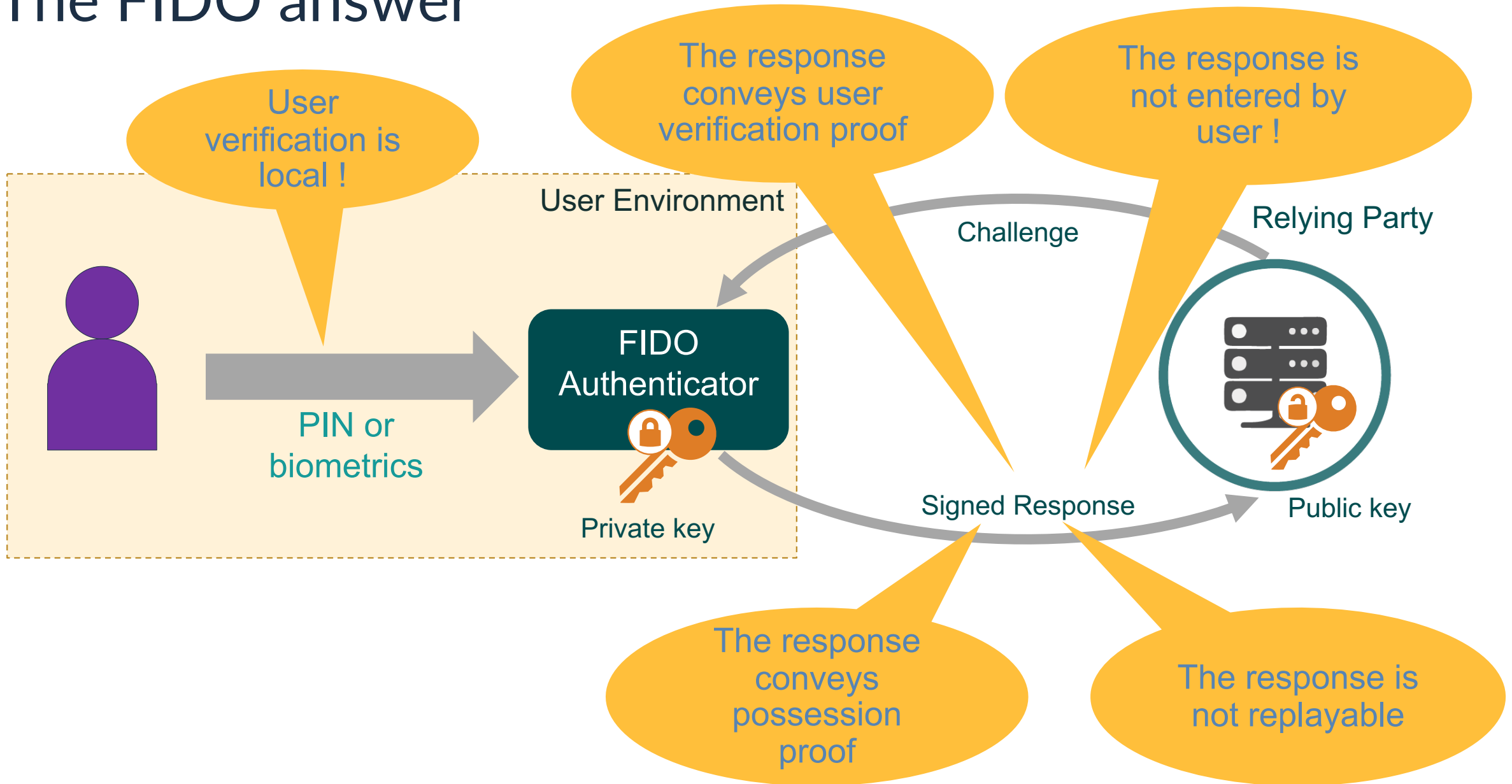


What phishing resistance means



How do you authenticate to the Relying Party without sending a shared credential ?

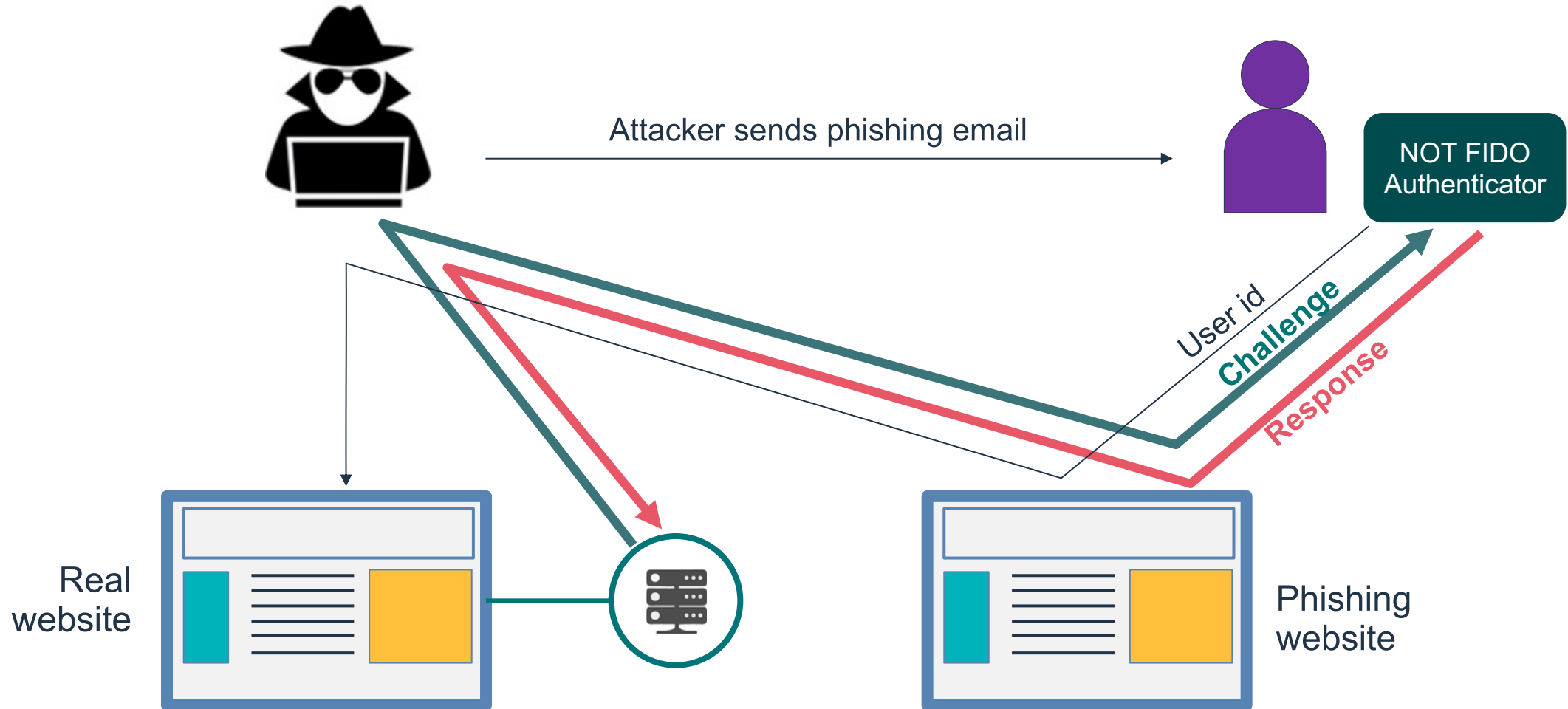
The FIDO answer



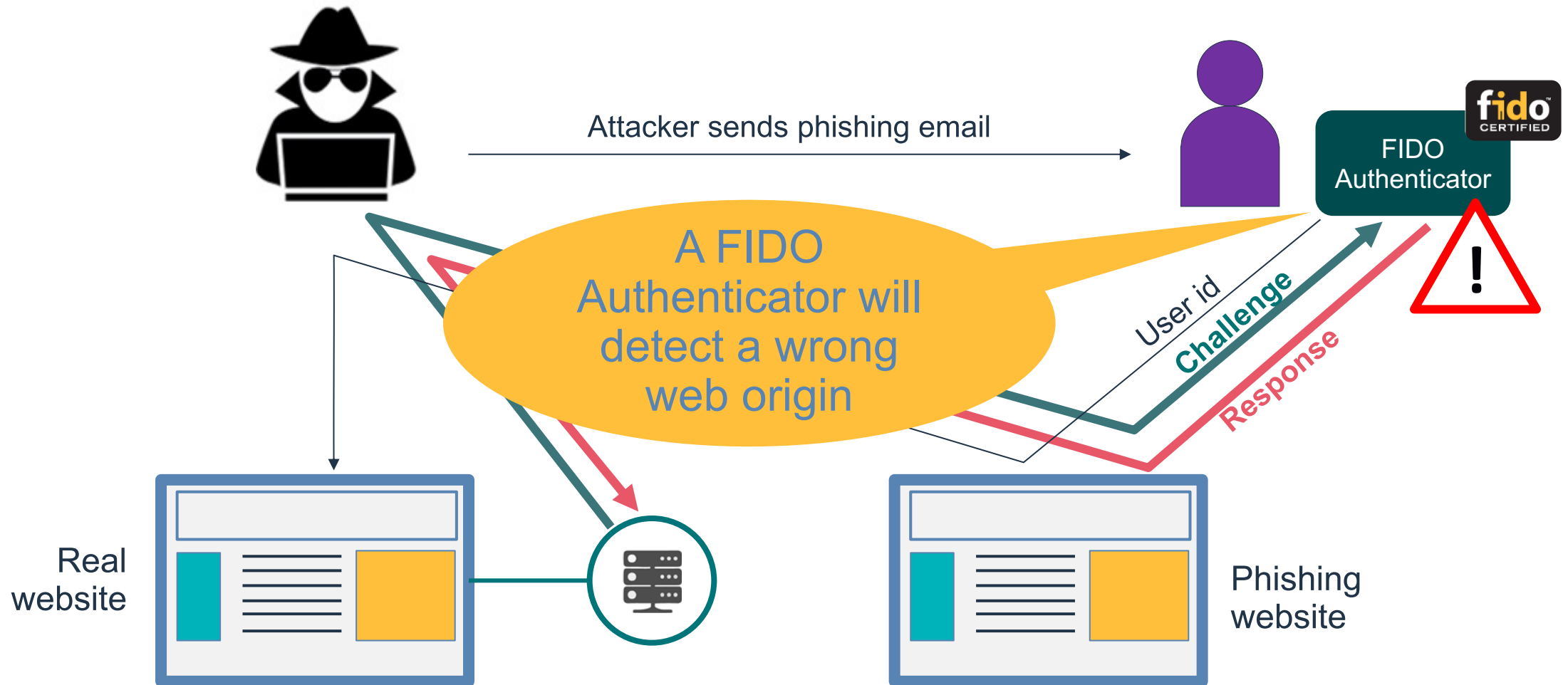
Is it enough to prevent
phishing attacks and
account take over ?

No

A more sophisticated phishing attack

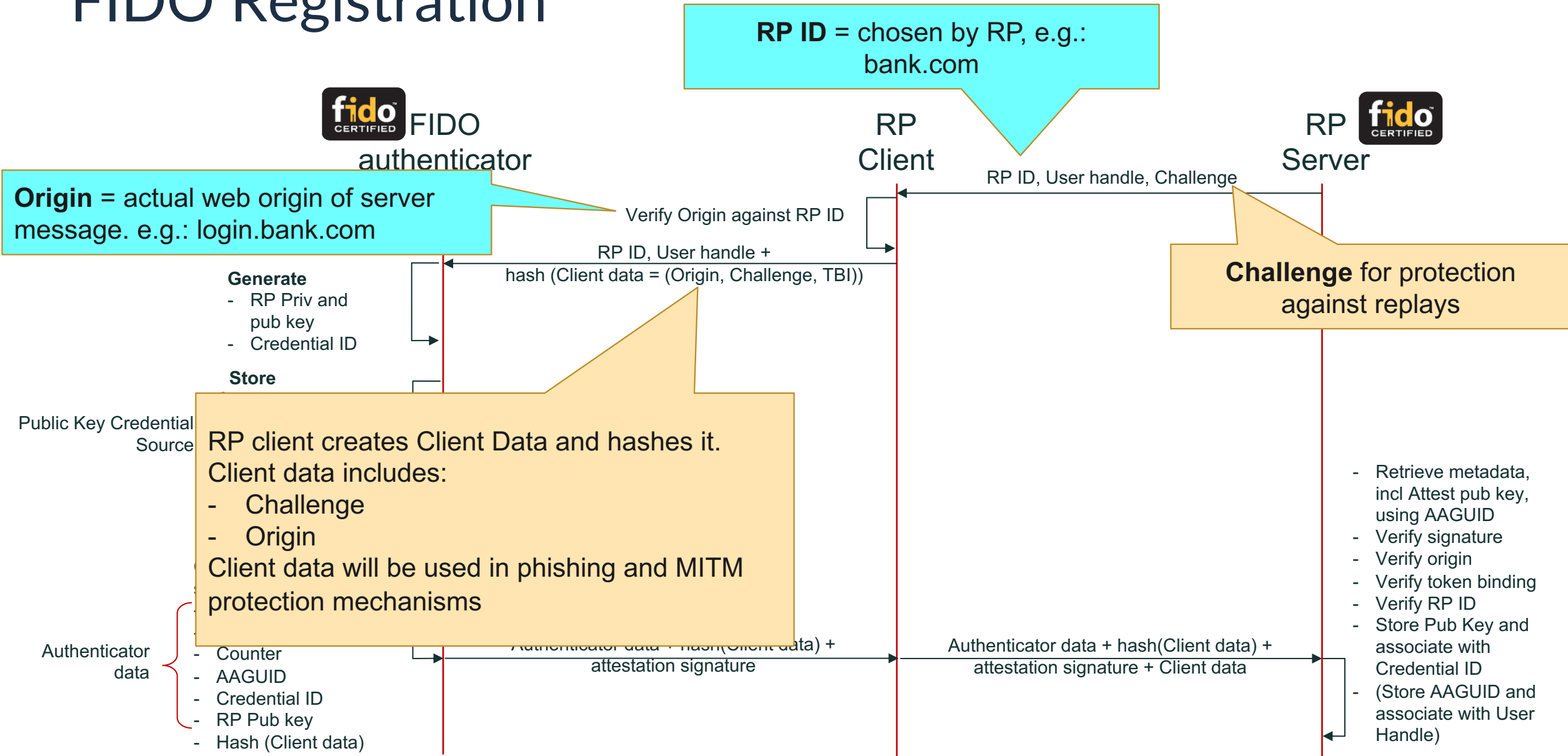


The FIDO solution

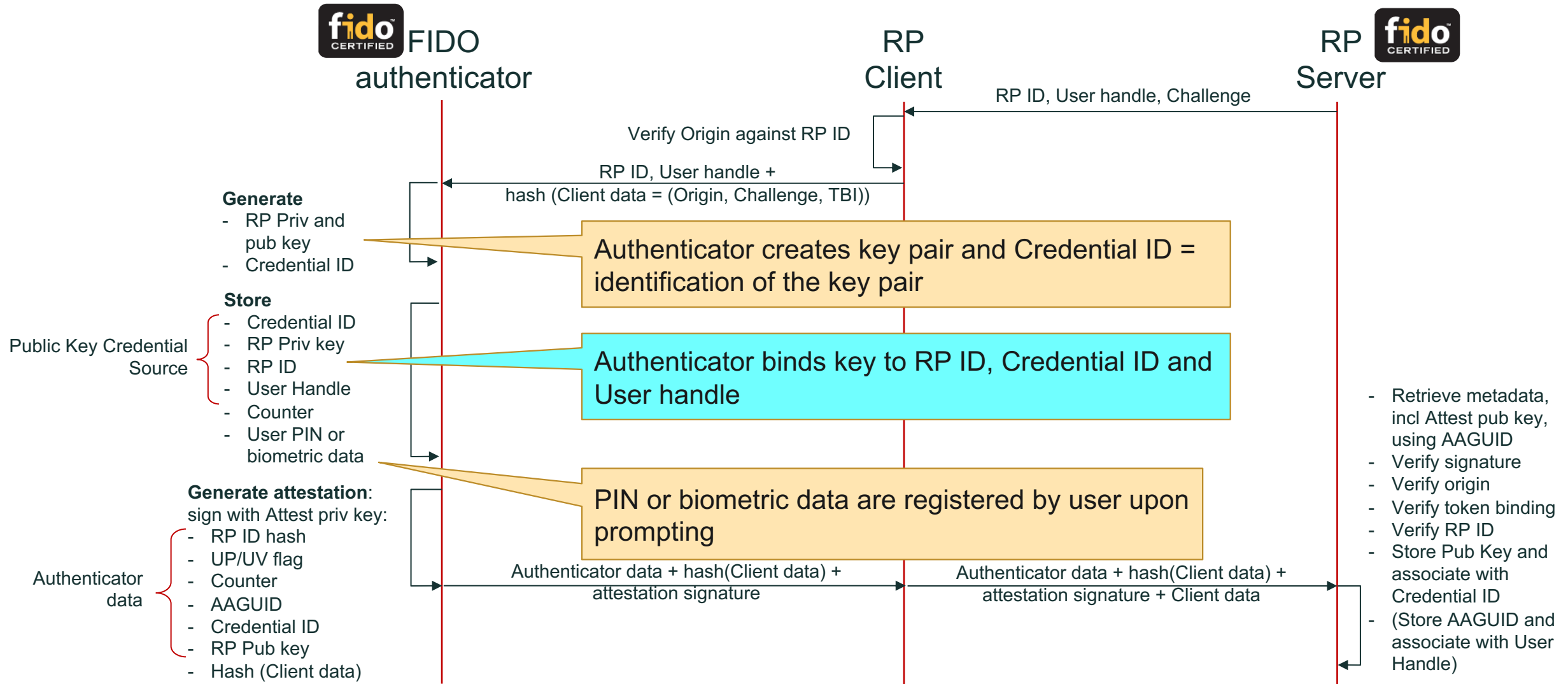


How ?

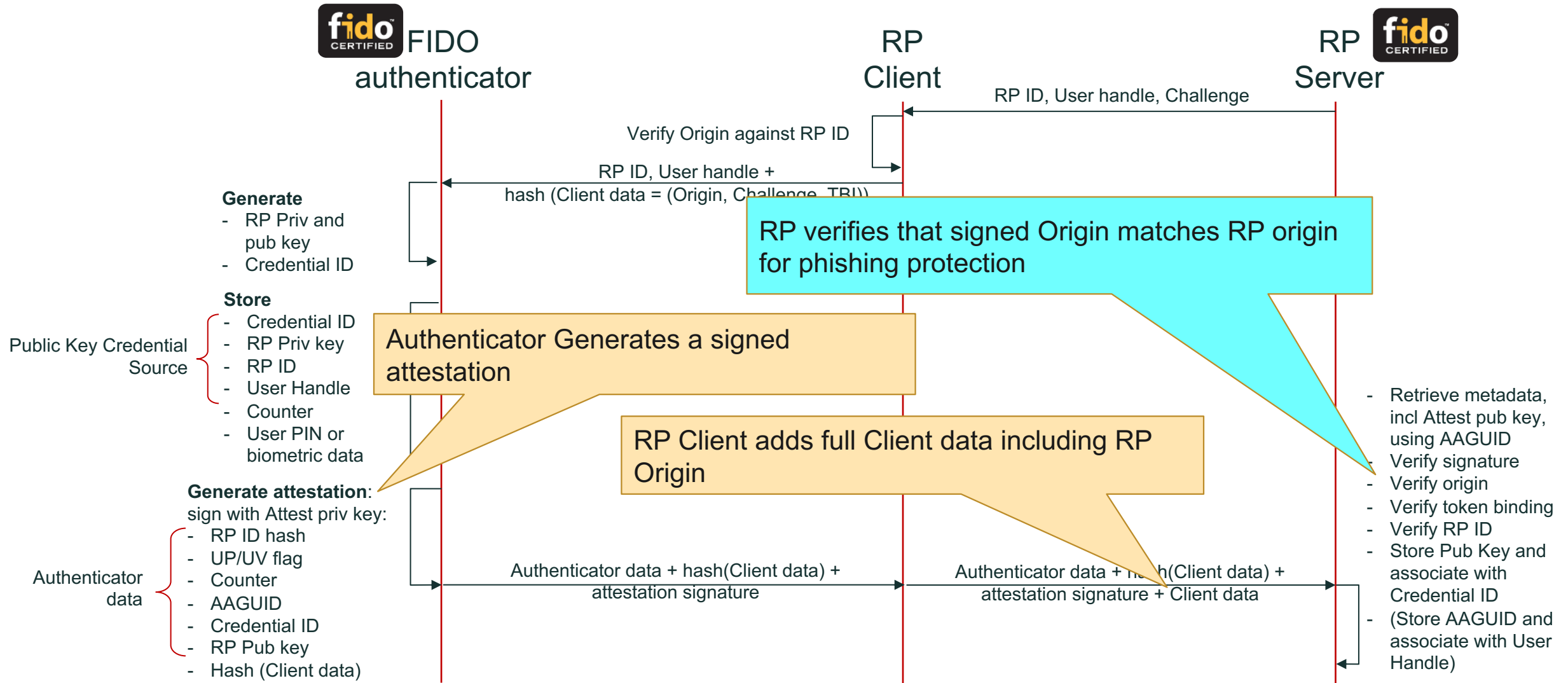
FIDO Registration



FIDO Registration



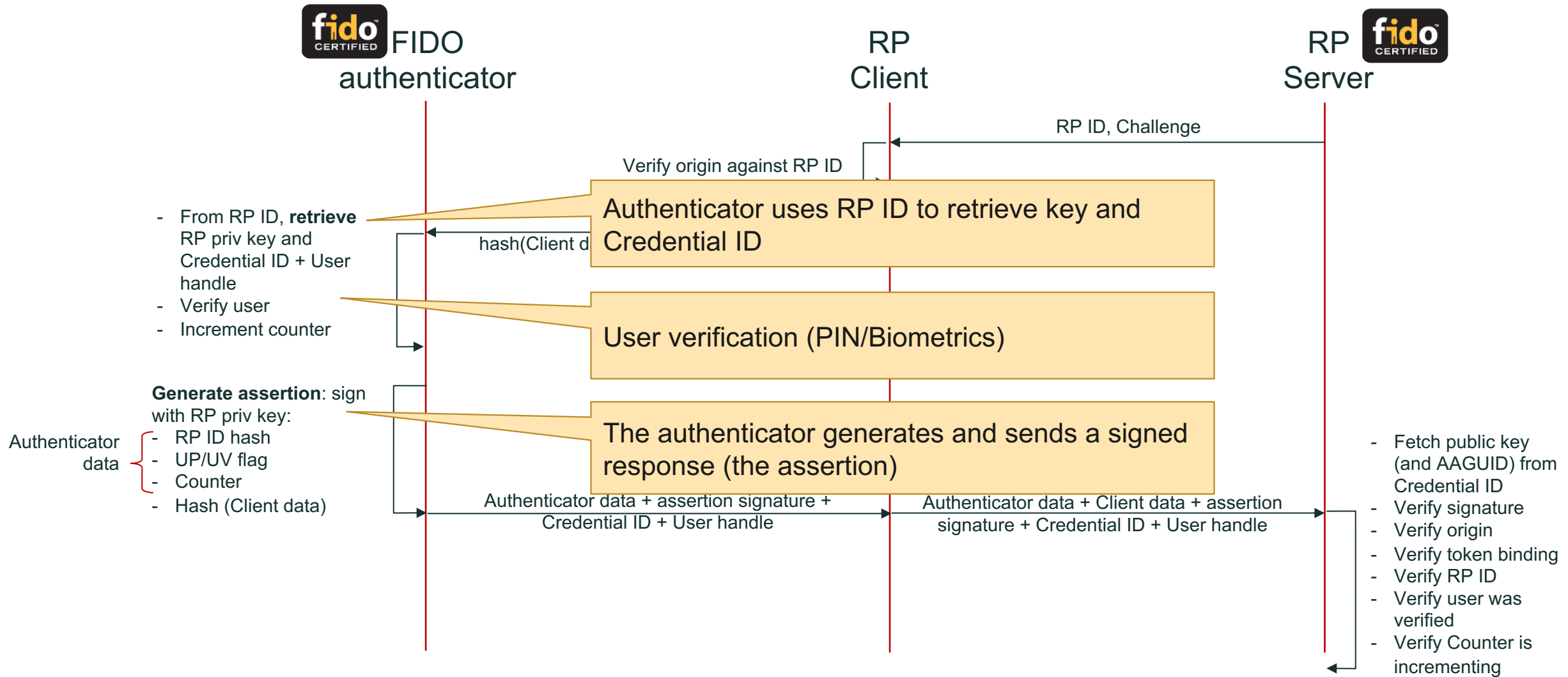
FIDO Registration



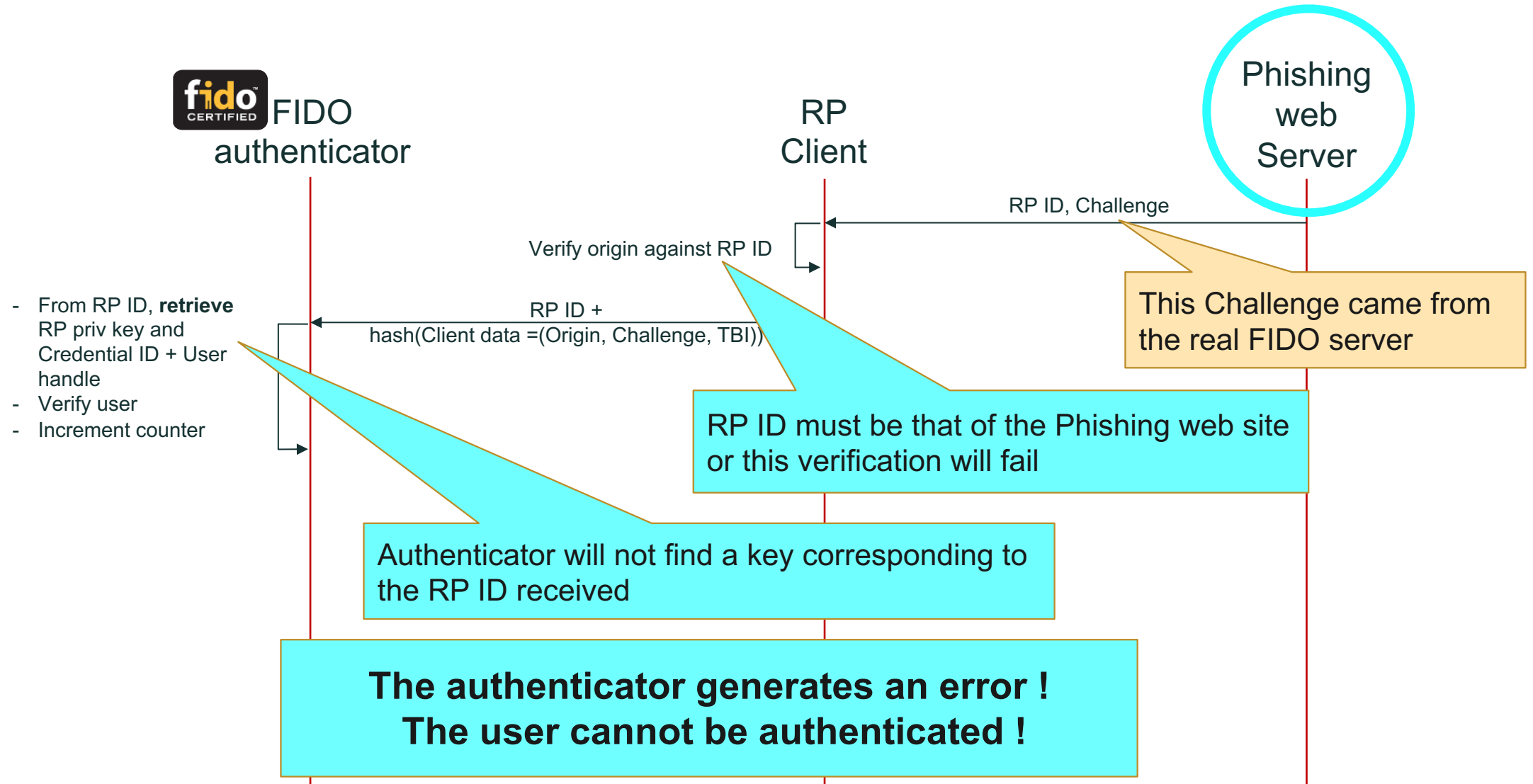
FIDO authentication



FIDO Authentication – Normal sequence diagram



FIDO Authentication – In the case of phishing



Questions ?



fido[™]
ALLIANCE