

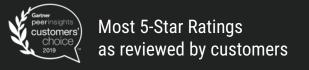


Credential Harvesting as a Service How this Darkweb Organization Steals Your Credentials



Michael Landewe

Co-Founder, Chief Privacy Officer michael@avanan.com



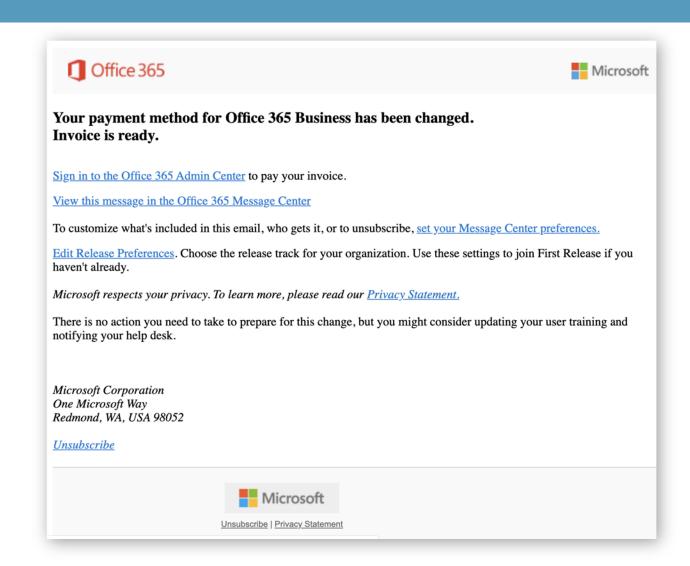


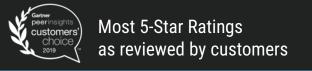
SPAM-EGY: Office 365 Credential Harvesting

Office 365 Credential Harvesting as a Service

WWW.SPAM-EGY.GA

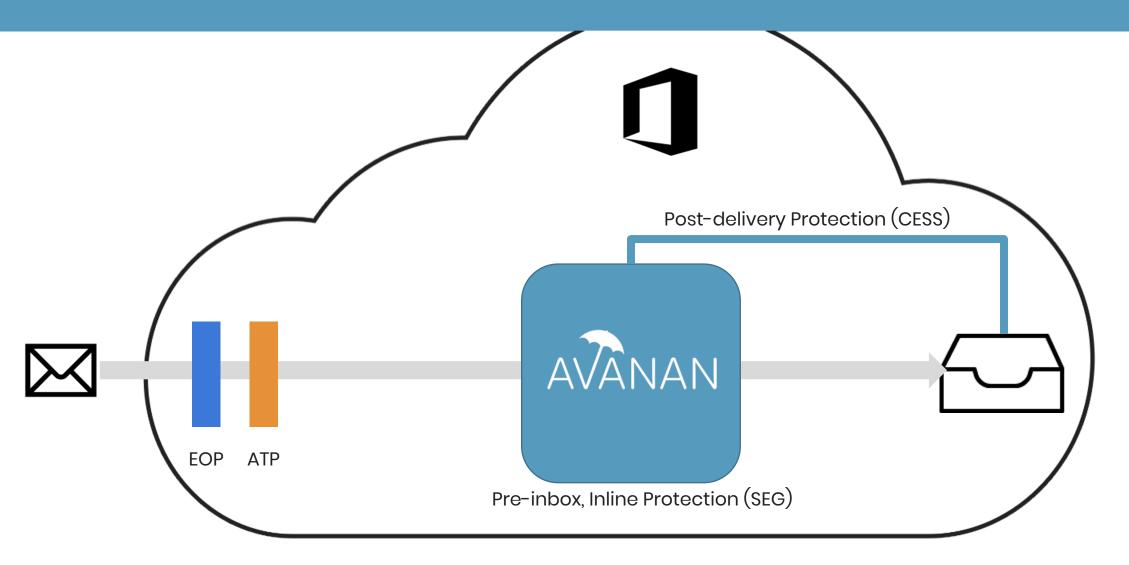


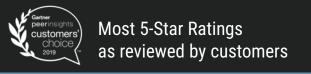






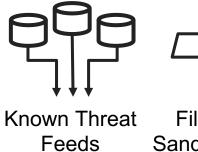
Integrated Cloud Email (ICE) Security Architecture

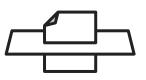






Layers of Defense





File and URL Sandboxing Tools



Office 365 | G Suite Indicators of Attack



Customer Specific Internal/BEC ML



Customer Specific False Positive ML



Customer Specific SaaS Events





Known Threat Feeds

File and URL Sandboxing Tools



Office 365 | G Suite Indicators of Attack



Customer Specific Internal/BEC ML



Customer Specific False Positive ML



Customer Specific SaaS Events

Bypass EOP

Bypass ATP

EMAIL Message

W URL

How did this known malicious URL bypass ATP?

This becomes a highly-correlated indicator of attack.









File and URL **Sandboxing Tools**



Office 365 | G Suite Indicators of Attack



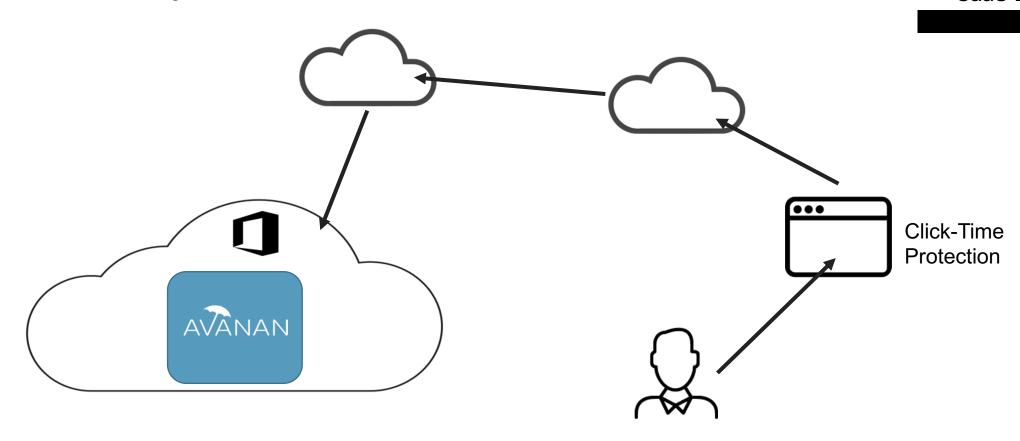
Customer Specific Internal/BEC ML

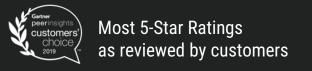


Customer Specific False Positive ML



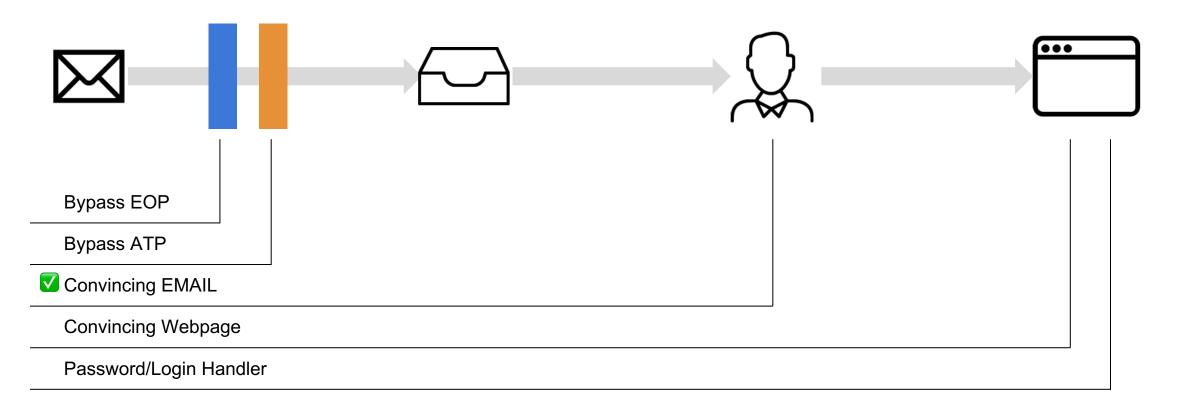
Customer Specific SaaS Events

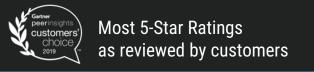






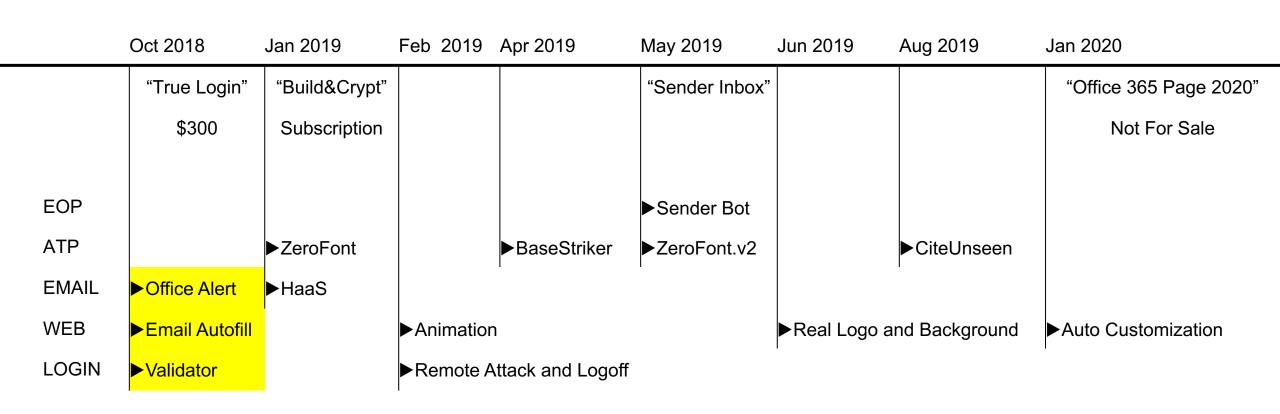
The Business of Credential Harvesting

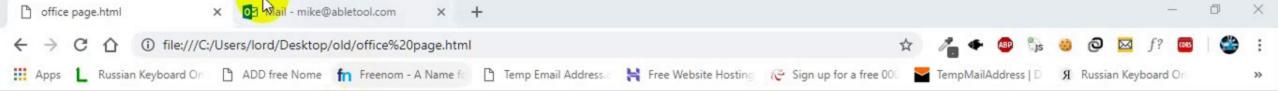






SPAM-EGY Office 365 "True Login" Release History





Office 365 Page true login (cloud) 2019 By Spam-Egy

Work in cloud html code

Office true login

Responsive design

Price:300\$

my icq: 724397262



















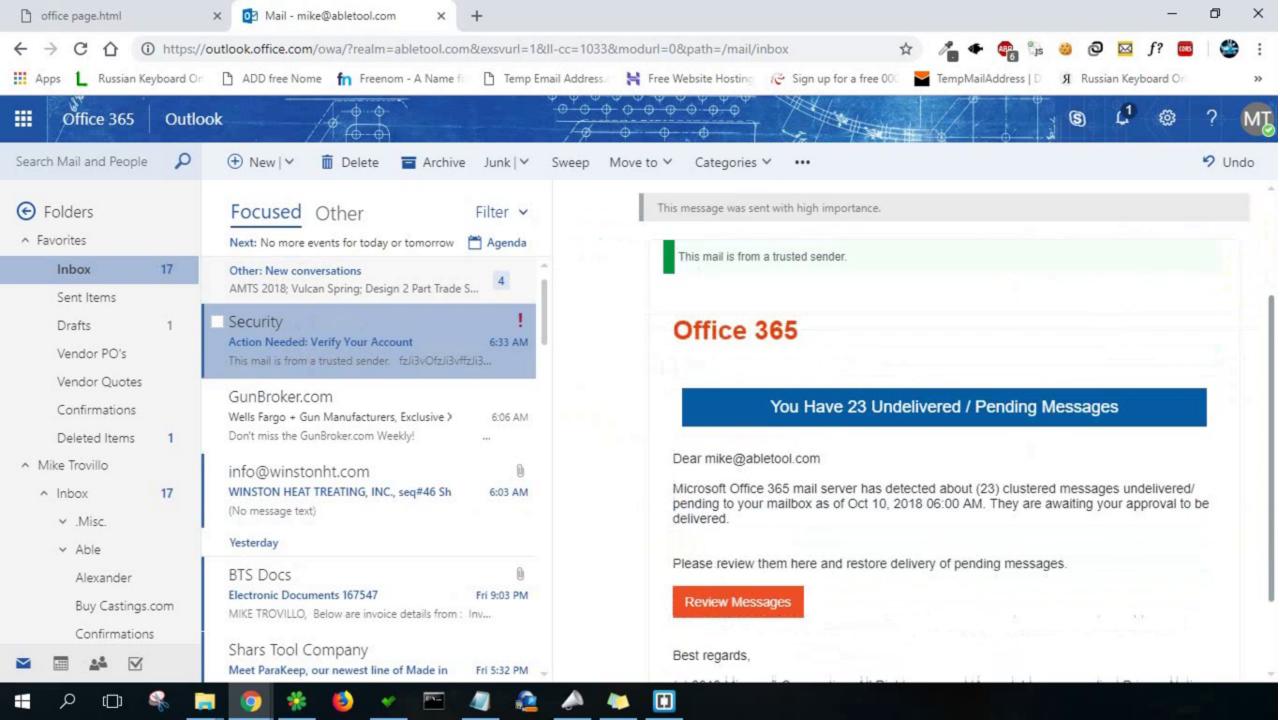


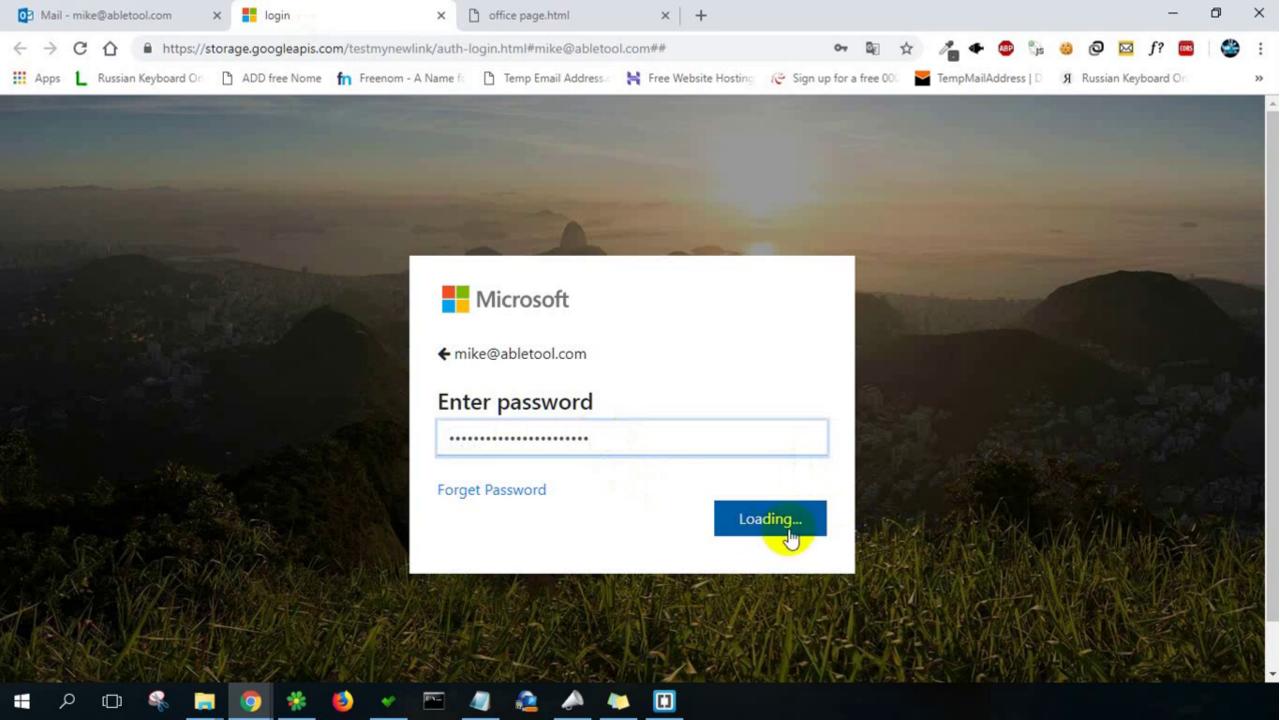


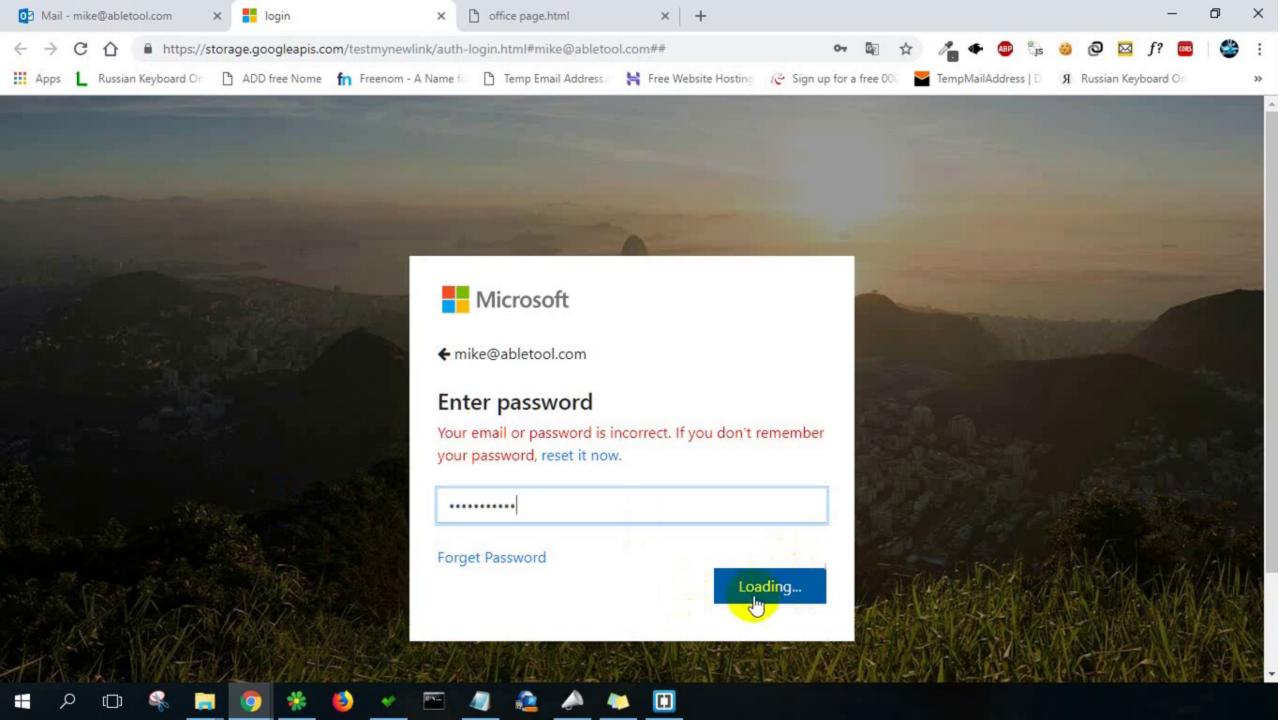


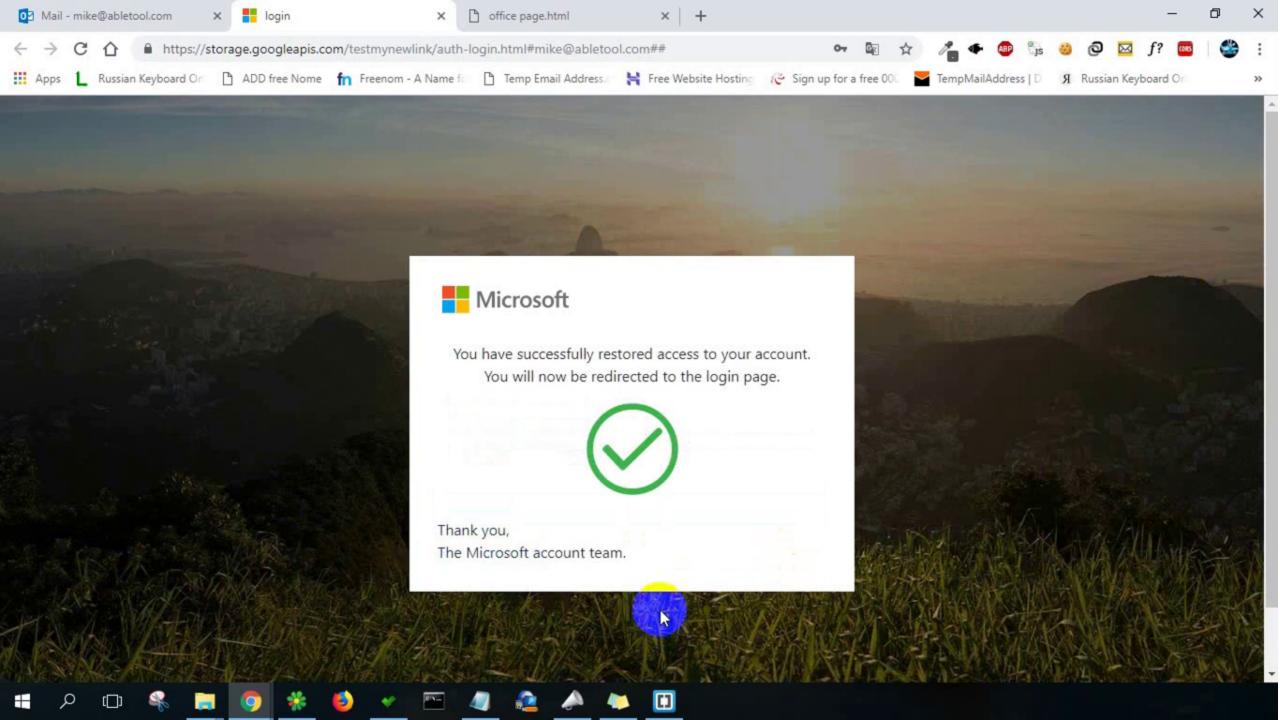


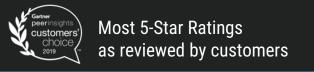






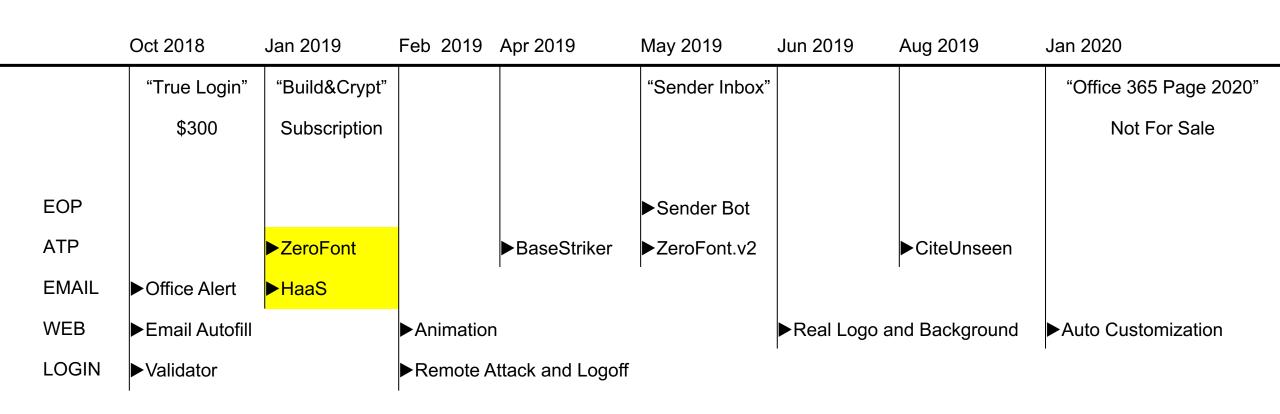








SPAM-EGY Office 365 "True Login" Release History







Update your mailbox.

within the next 24 hours, [] will be blocked from incoming and outgoing messages from other users because you failed to update your mailbox.

Please note this will be the last reminder before your mailbox will blocked from our system.

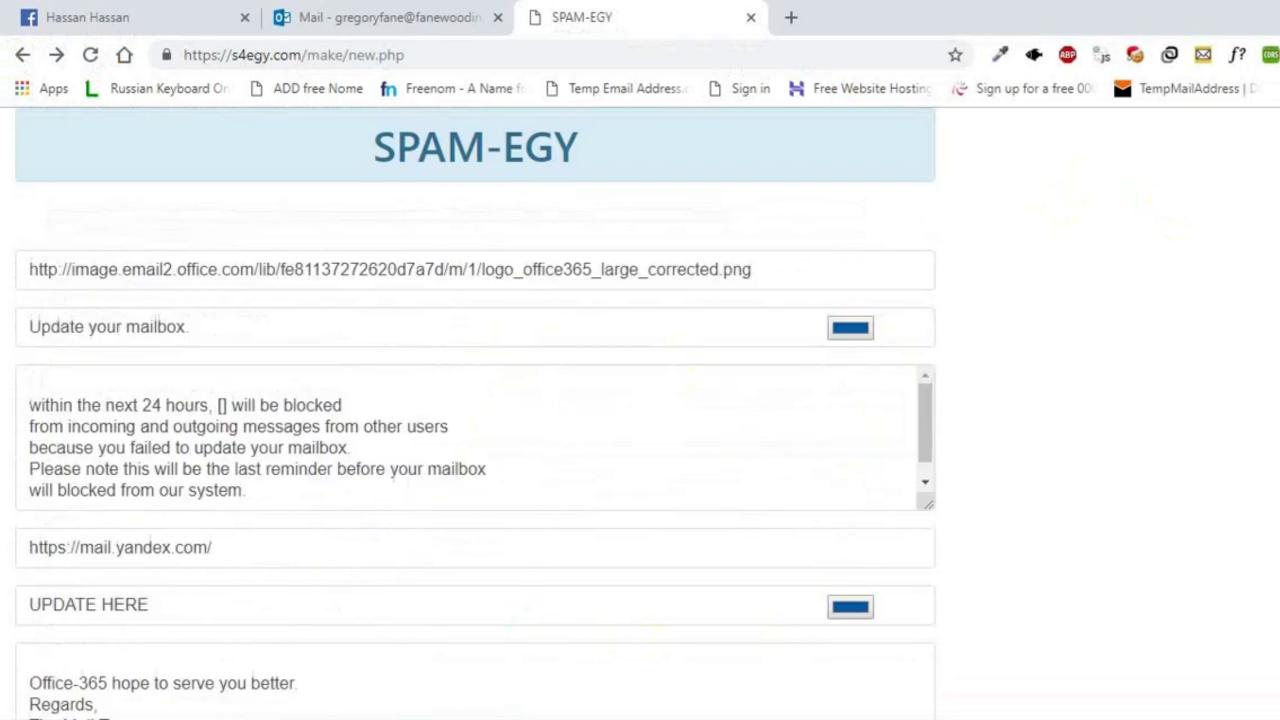
UPDATE HERE

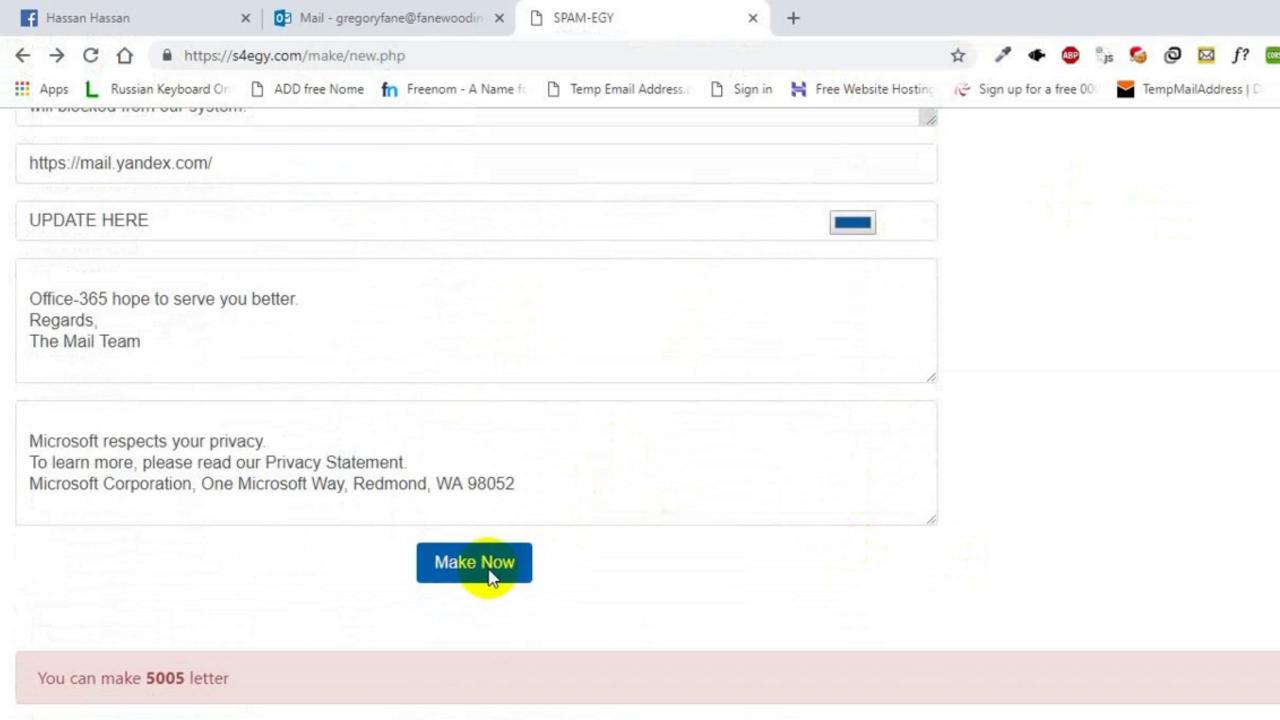
Office-365 hope to serve you better. Regards, The Mail Team

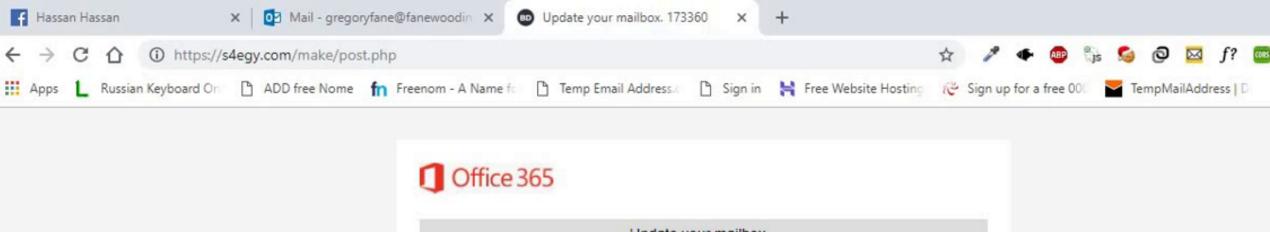
Microsoft respects your privacy.

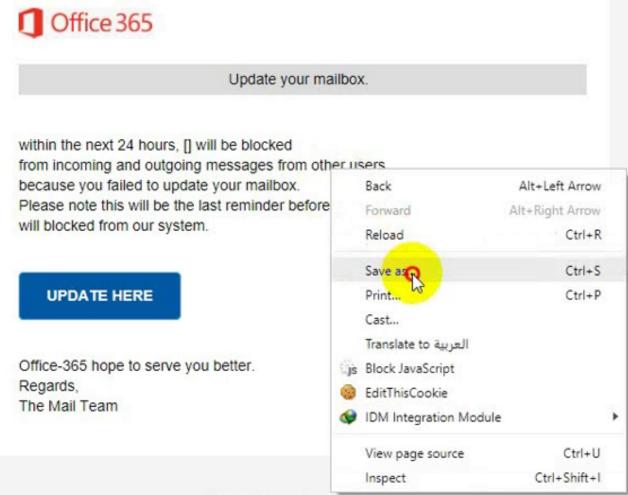
To learn more, please read our Privacy Statement.

Microsoft Corporation, One Microsoft Way, Redmond, WA 98052.





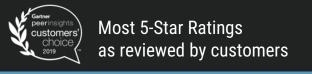




Microsoft respects your privacy.

To learn more, please read our Privacy Statement.

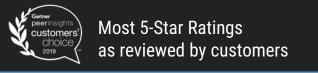
Microsoft Corporation, One Microsoft Way, Redmond, WA 98052.





ZeroFont

nx0Z7UUnx0Z7Upnx0Z7Udnx0Z7Uanx0Z7Udnx0Z7Udnx0Z7Uynx0Z7Uonx0Z7Uunx0Z7Uanx0Z7U mnx0Z7Uanx0Z7Uanx0Z7Ubnx0Z7Uonx0Z7Uonx0Z7Uonx0Z7Uonx0Z7Uonx0Z7Uxonx0Z7Uxonx0Z7Uxonx0Z7Uxonx0Z7Uxonx0Z7Uonx





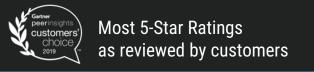
ZeroFont

Microsoft's Natural Language Filters see:

nx0Z7UUnx0Z7Unx0Z7Udnx0Z7Ua nx0Z7Ut nx0Z7Uenx0Z7Uynx0Z7Uo nx0Z7Uu nx0Z7Ur nx0Z7U m nx0Z7Ua nx0Z7Uinx0Z7Ulnx0Z7Ubnx0Z7Uo nx0Z7Ux

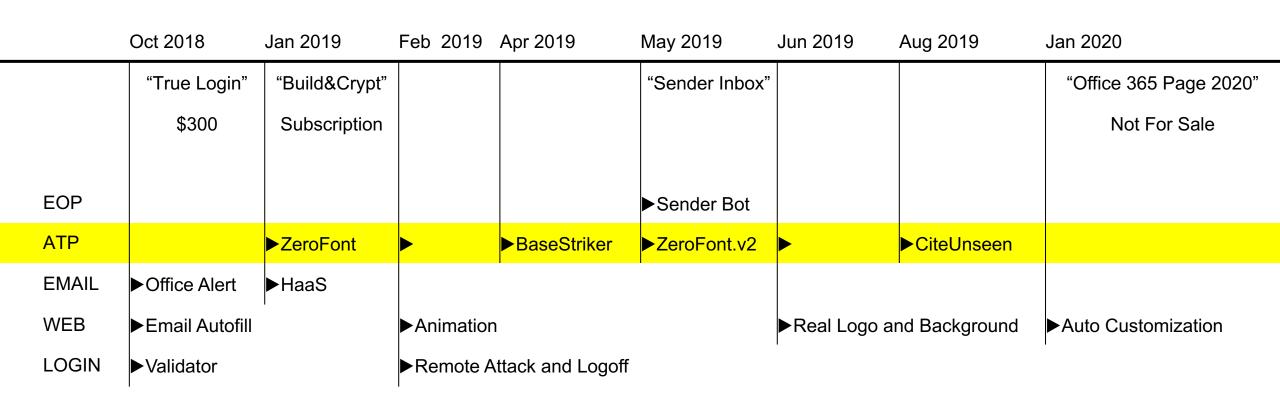
You see:

Update Your Mailbox





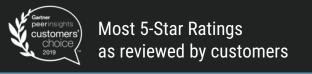
SPAM-EGY Office 365 "True Login" Release History





ATP Updates

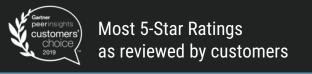
- 2018 October Release
- 2018 December 31
- 2019 February 2
- 2019 April 23
- 2019 April 29
- 2019 June 9
- 2019 June 29
- 2019 August 3
- 2019 November 3





ATP Updates: ZeroFont







ATP Updates: CiteUnseen

Random Text in <cite> code

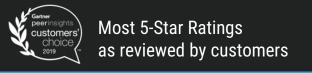
<cite>n9UDBNakdai</cite>O
<cite>n9UDBNakdai</cite>f
<cite>n9UDBNakdai</cite>fi
<cite>n9UDBNakdai</cite>c
<cite>n9UDBNakdai</cite>c
<cite>n9UDBNakdai</cite>e
<cite>n9UDBNakdai</cite> 36
<cite>n9UDBNakdai</cite> 36
<cite>n9UDBNakdai</cite> 5

Microsoft Sees:

n9UDBNakdaiOn9UDBNakdaifn9UDBNakdaifin9 UDBNakdaicn9UDBNakdaien9UDBNakdai 36n9UDBNakdai5

You See:

Office 365

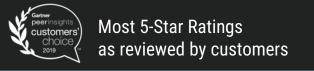




ATP Updates: CiteUnseen

Introduction of email and company name makes each email unique.

```
<cite>n9UDBNakdai-user@company.com&Company</cite>O
<cite>n9UDBNakdai-user@company.com&Company</cite>f
<cite>n9UDBNakdai-user@company.com&Company</cite>fi
<cite>n9UDBNakdai-user@company.com&Company</cite>c
<cite>n9UDBNakdai-user@company.com&Company</cite>e
<cite>n9UDBNakdai-user@company.com&Company</cite>e
<cite>n9UDBNakdai-user@company.com&Company</cite>36
<cite>n9UDBNakdai-user@company.com&Company</cite>5
```





ATP Updates: CiteUnseen

Character ‏ converts reading direction right-to-left

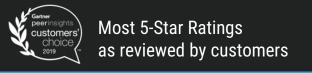
```
<cite> n9UDBNakdai-user@company.com&Company</cite>O
```

- <cite> n9UDBNakdai-user@company.com&Company</cite>f
- <cite> n9UDBNakdai-user@company.com&Company</cite>c
- <cite> n9UDBNakdai-user@company.com&Company</cite>e
- <cite> n9UDBNakdai-user@company.com&Company</cite> 36
- <cite> n9UDBNakdai-user@company.com&Company</cite>5



ATP Updates: BaseStriker

```
<!DOCTYPE html>
<html lang="en">
<head>
</head>
<body>
This malicious <a href="https://domain.com/malicious/link">link</a> is blocked. </body>
</html>
```





ATP Updates: Signature

From: "Redacted.com"

To: David.Smith@redacted.com

Subject: David Smith Urgent: Your Account Termination Request

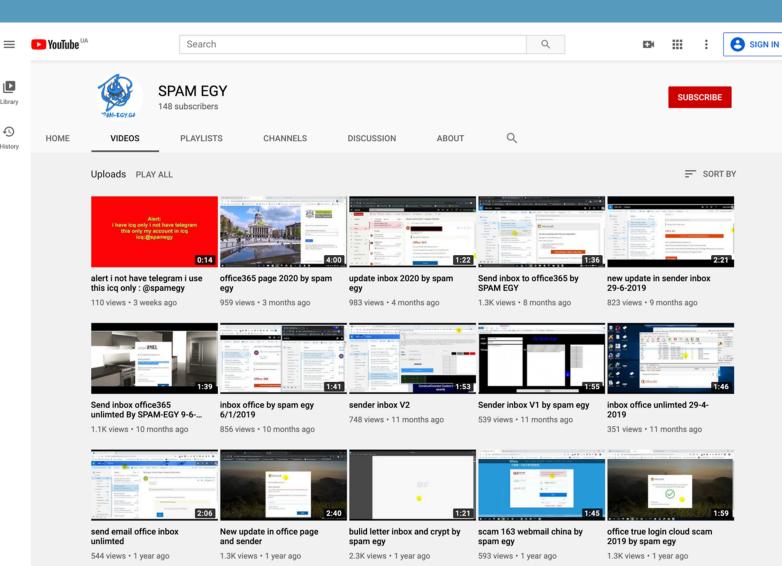
<div>

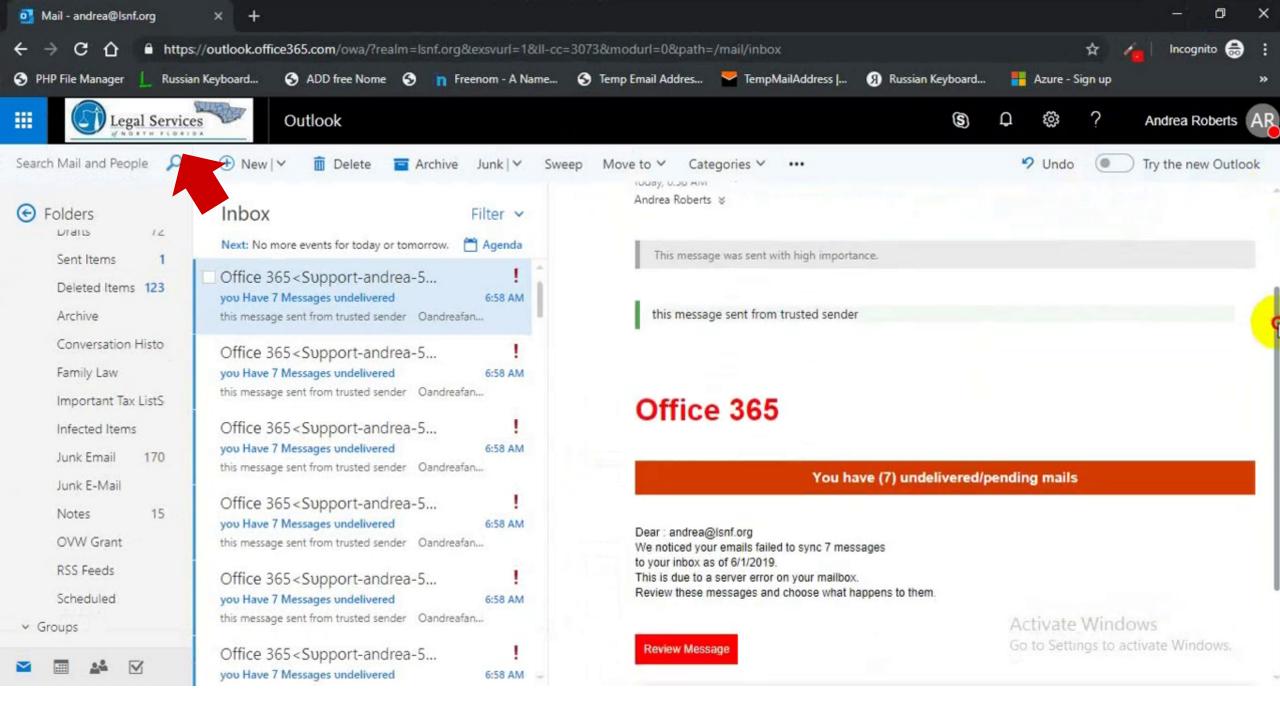


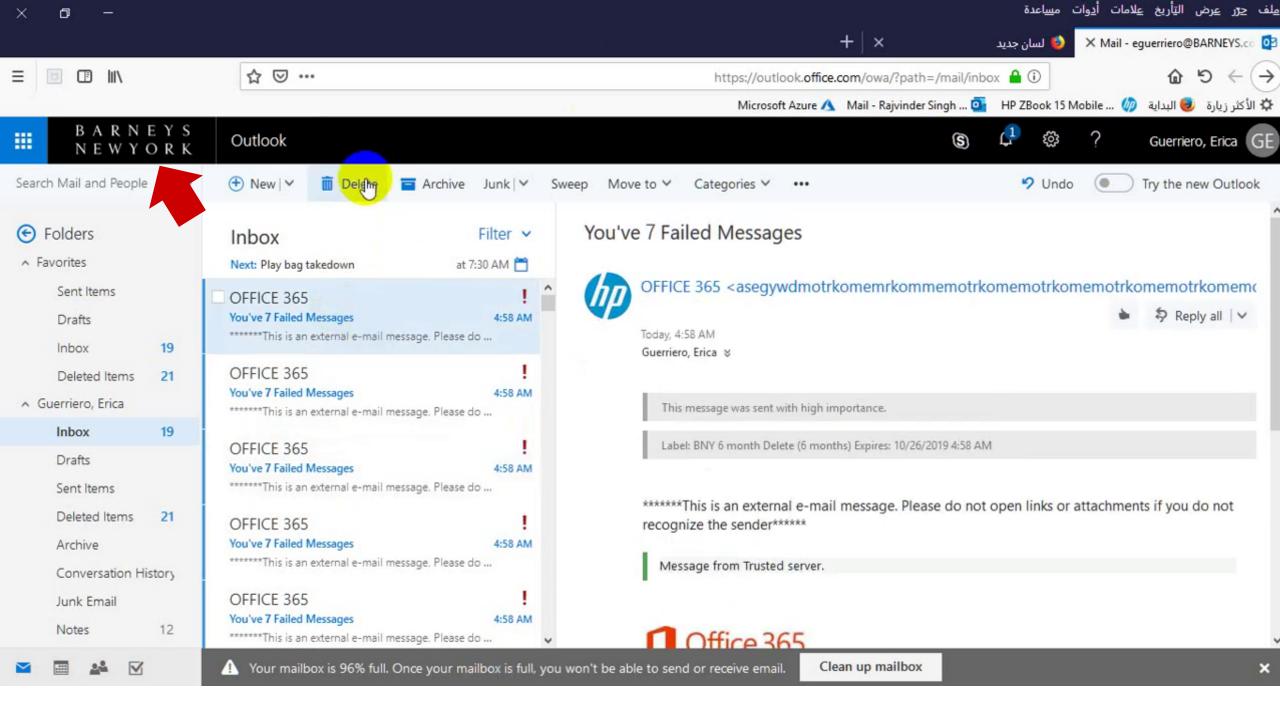
SPAM-EGY Release Video Channel

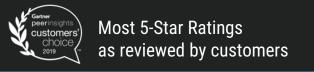
Video Proof Of New Bypass Techniques

Demonstration of New Features



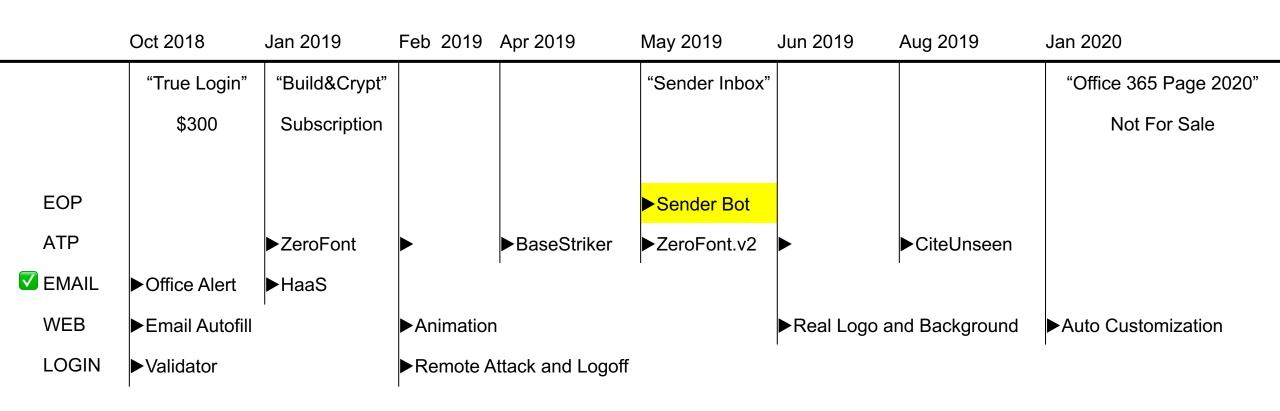


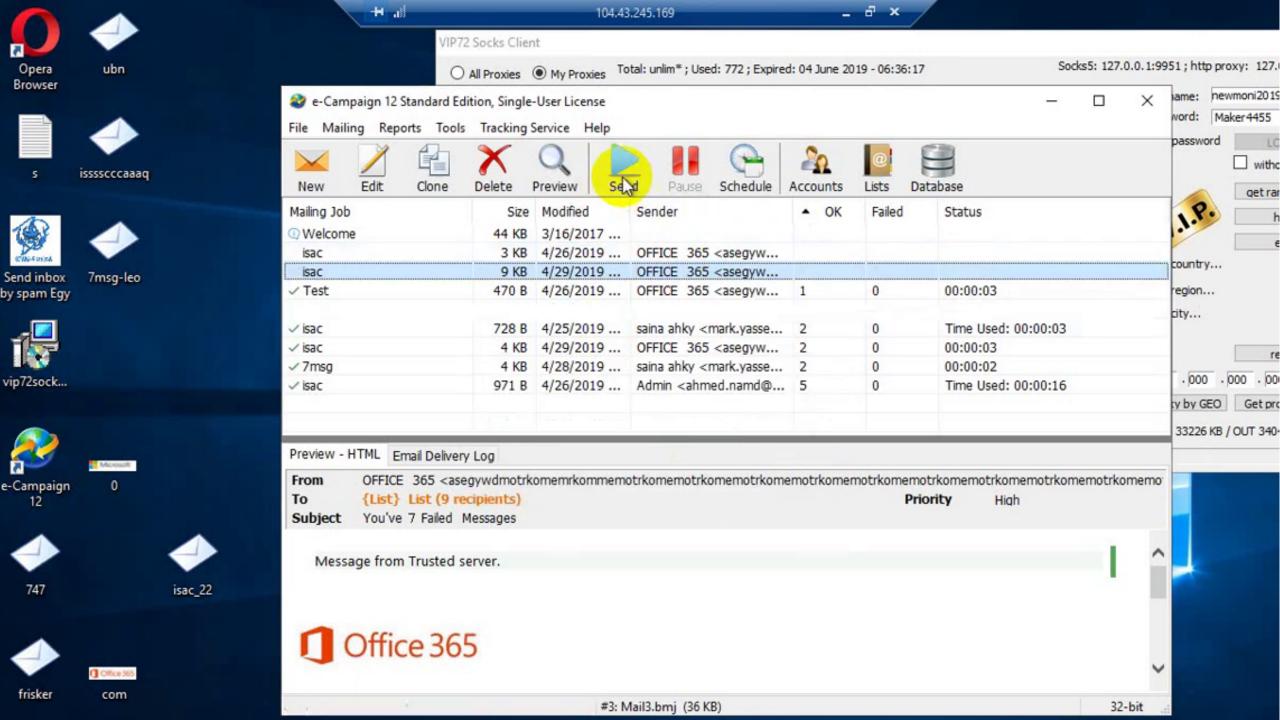


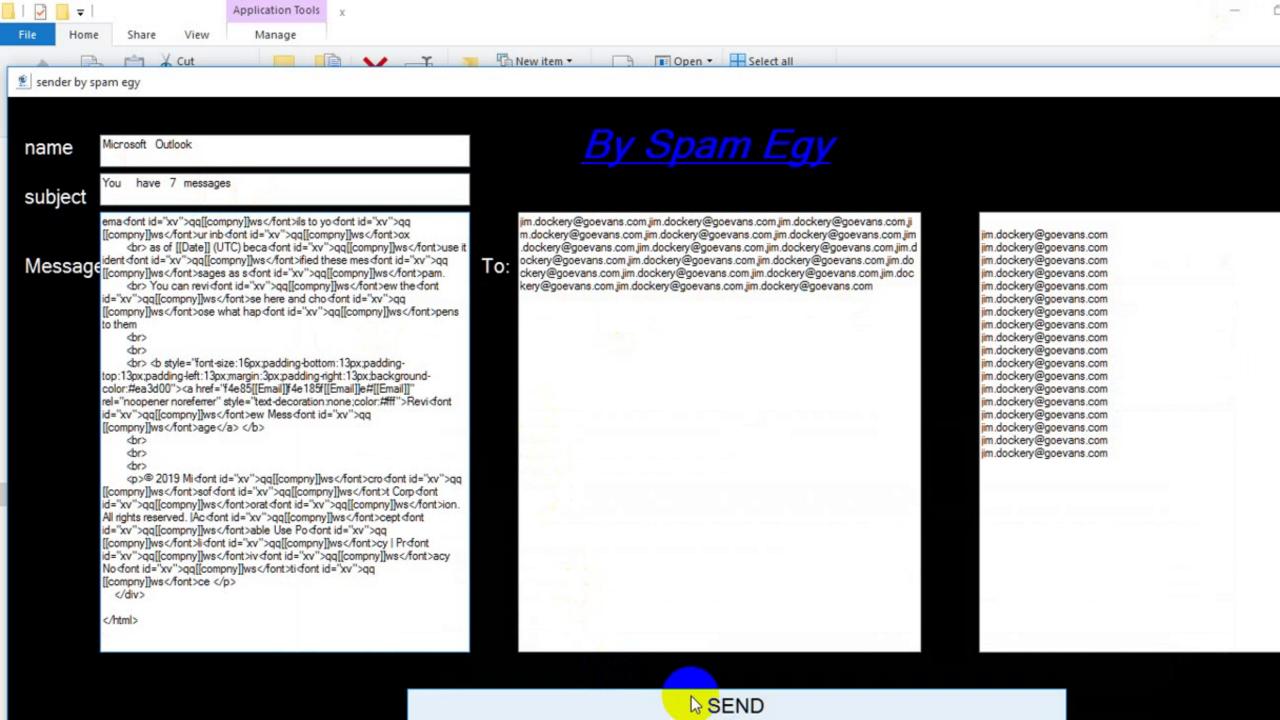


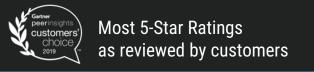


SPAM-EGY Office 365 "True Login" Release History

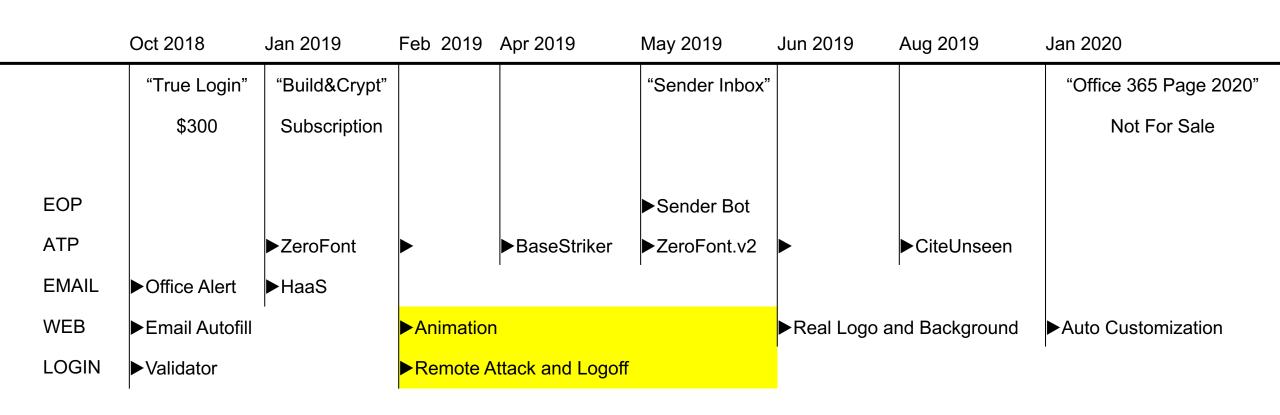


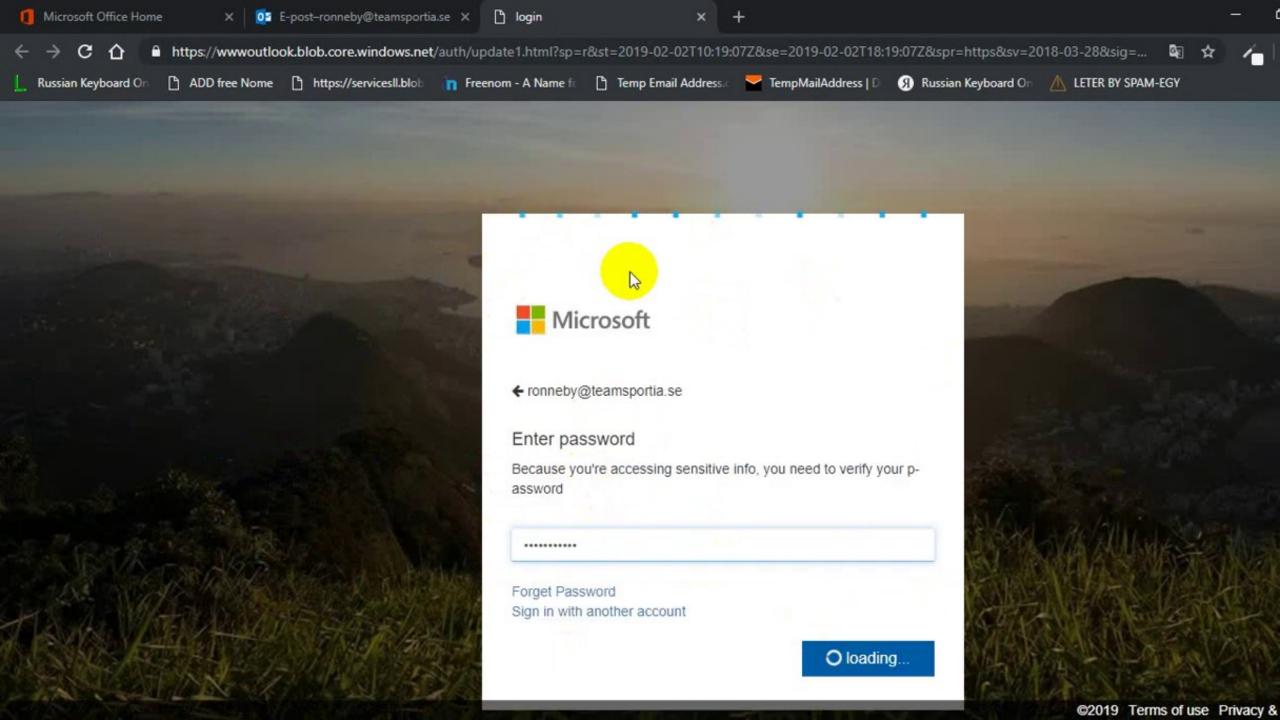


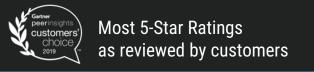




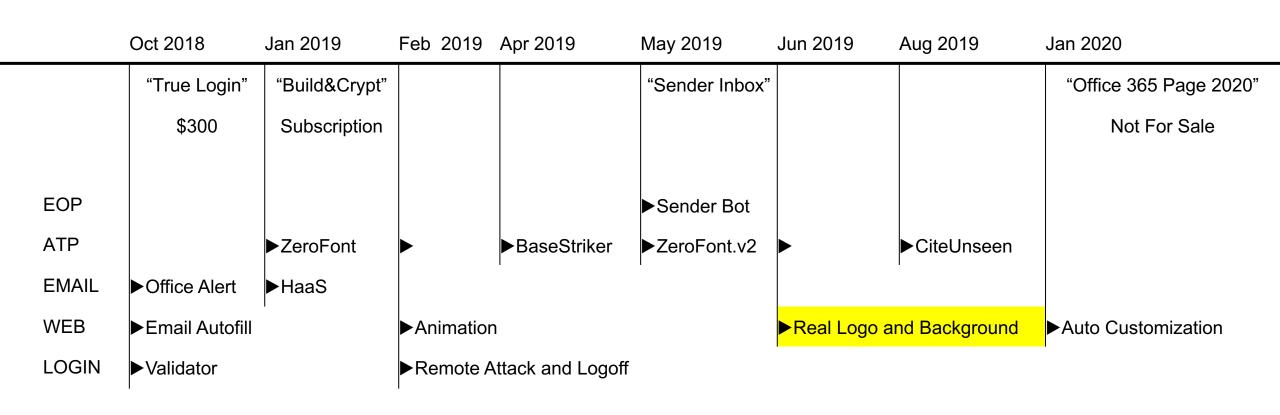




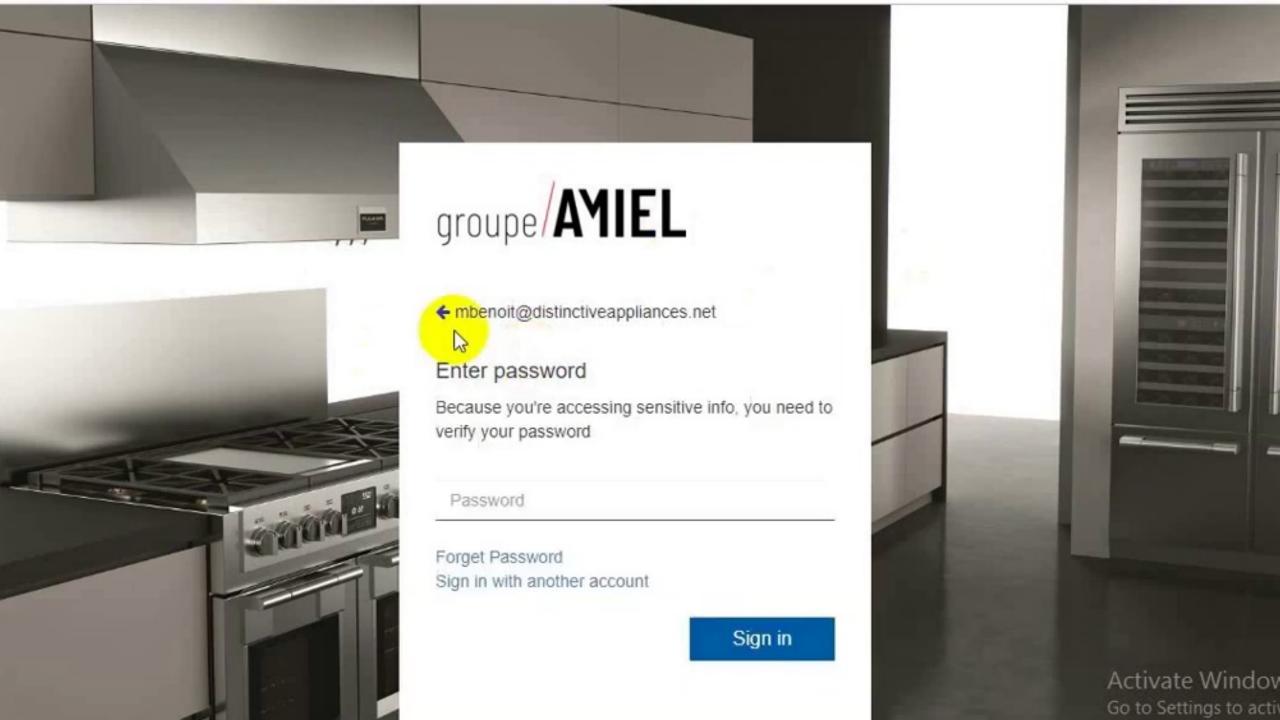


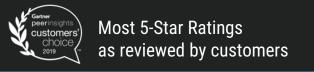




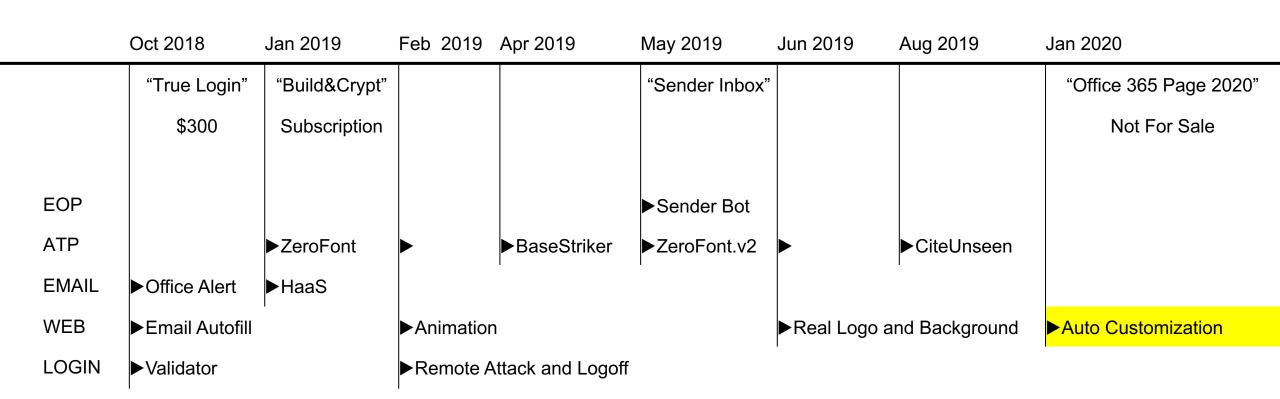


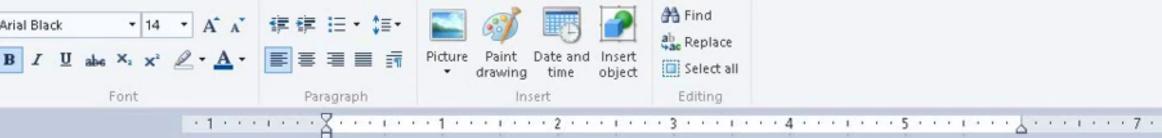












SPAM EGY

Office 365 page 2020 by spam egy

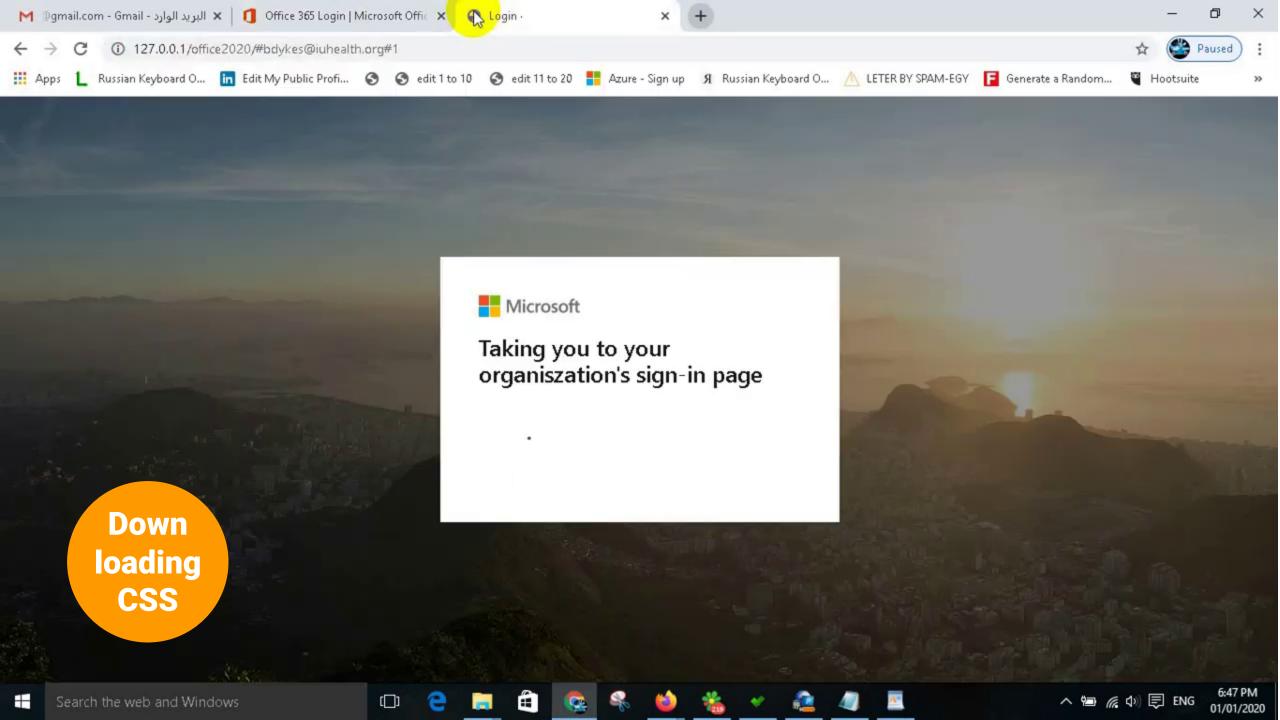
before start i need say this page not for sell

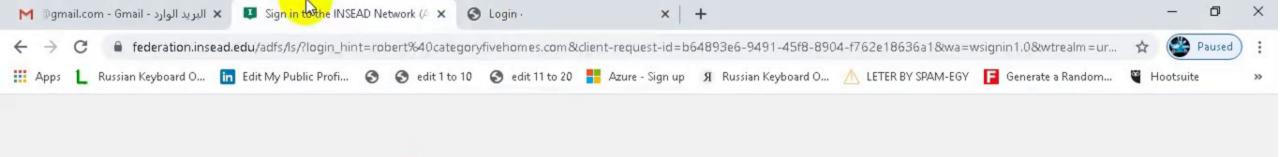
lets Go:D

http://127.0.0.1/office2020/#hdykes@iuhealth.org#1

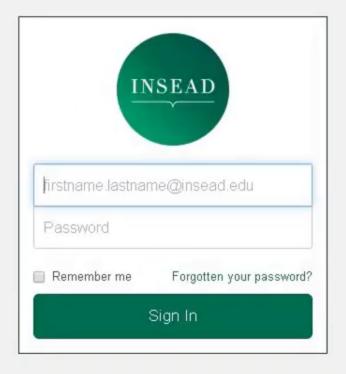
The page is advanced and smart

- 1- this page all lang
- 2-this page get same Real office login
- 3-true login









@ 2020 INSEAD Accreditations

Copyright

Privacy Policy

Terms & Conditions

















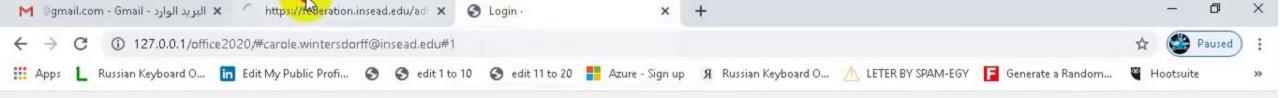




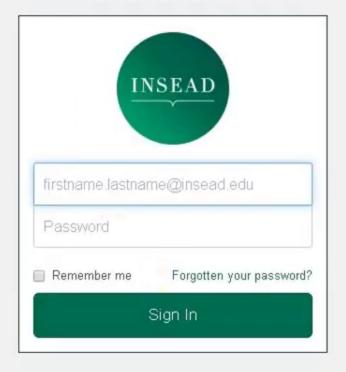












Copyright

(a) I ENG

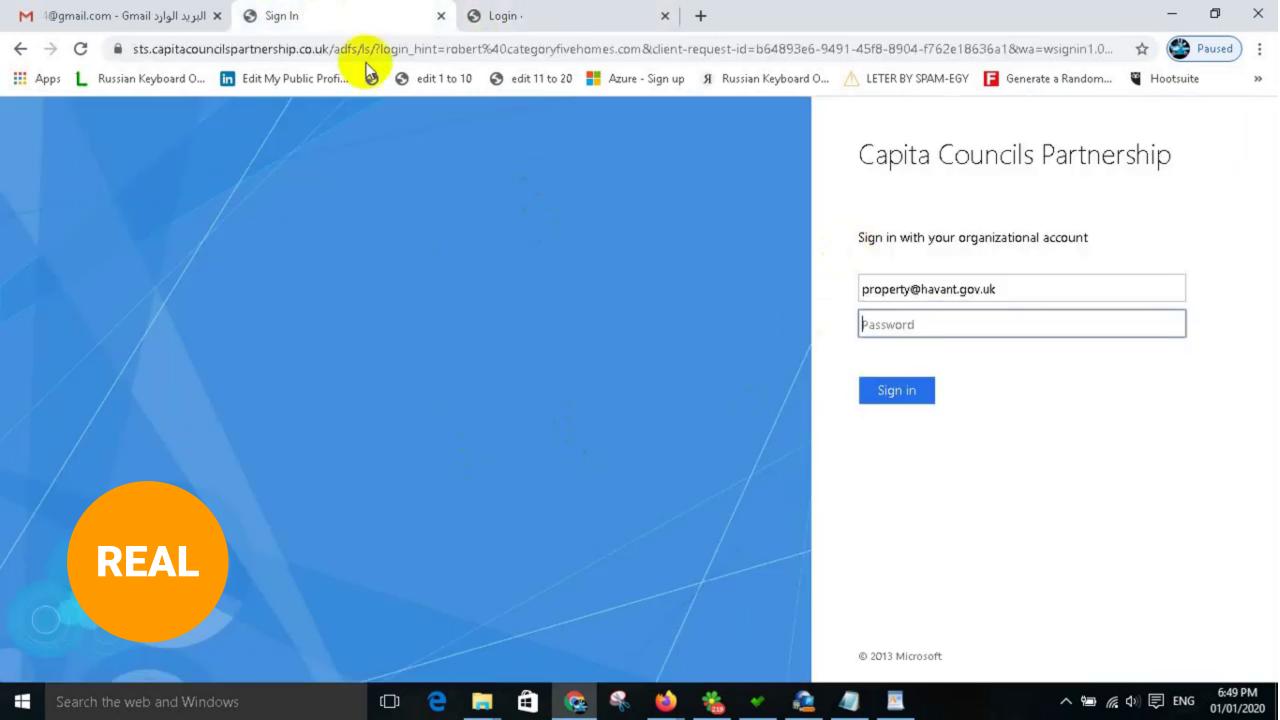
Privacy Policy

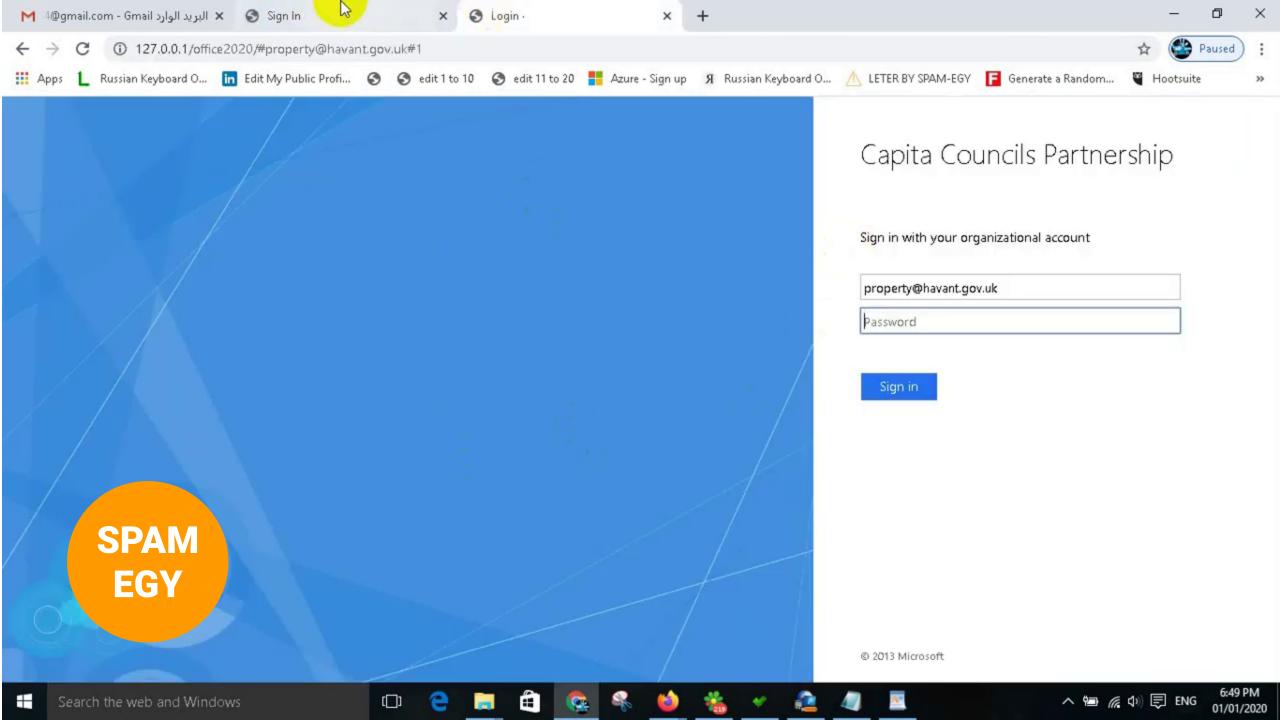
Terms & Conditions

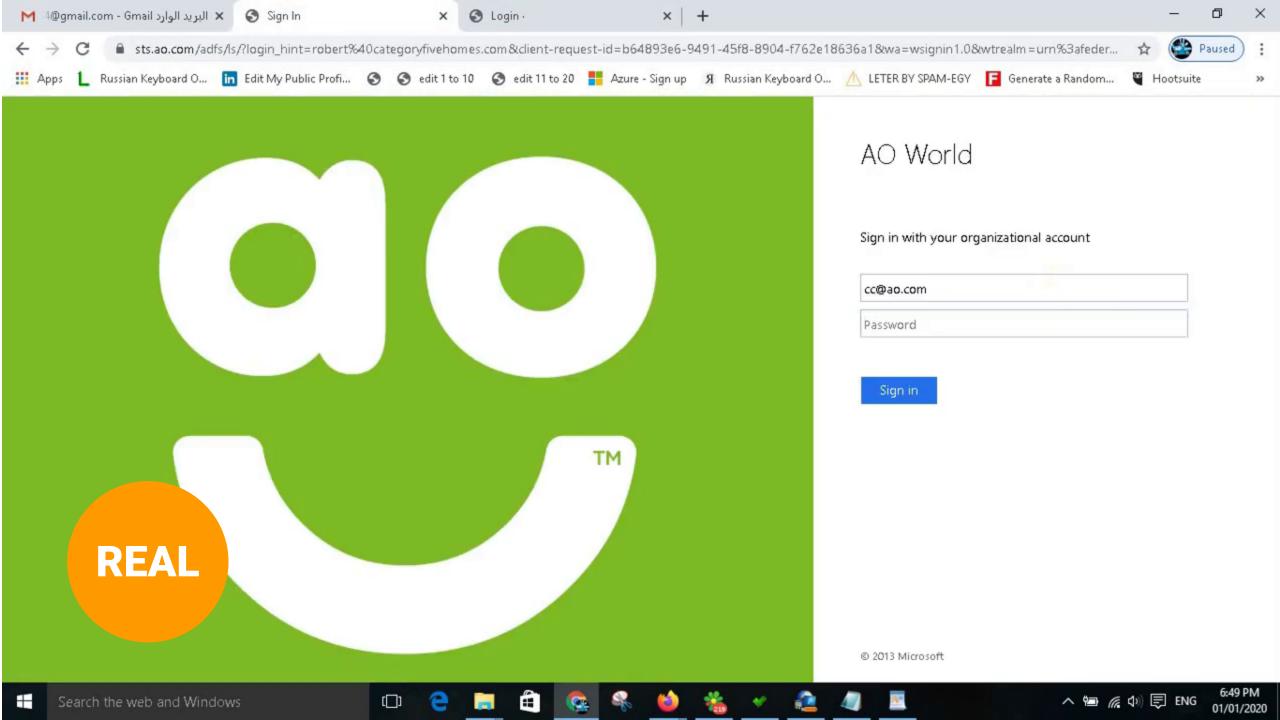
6:48 PM 01/01/2020

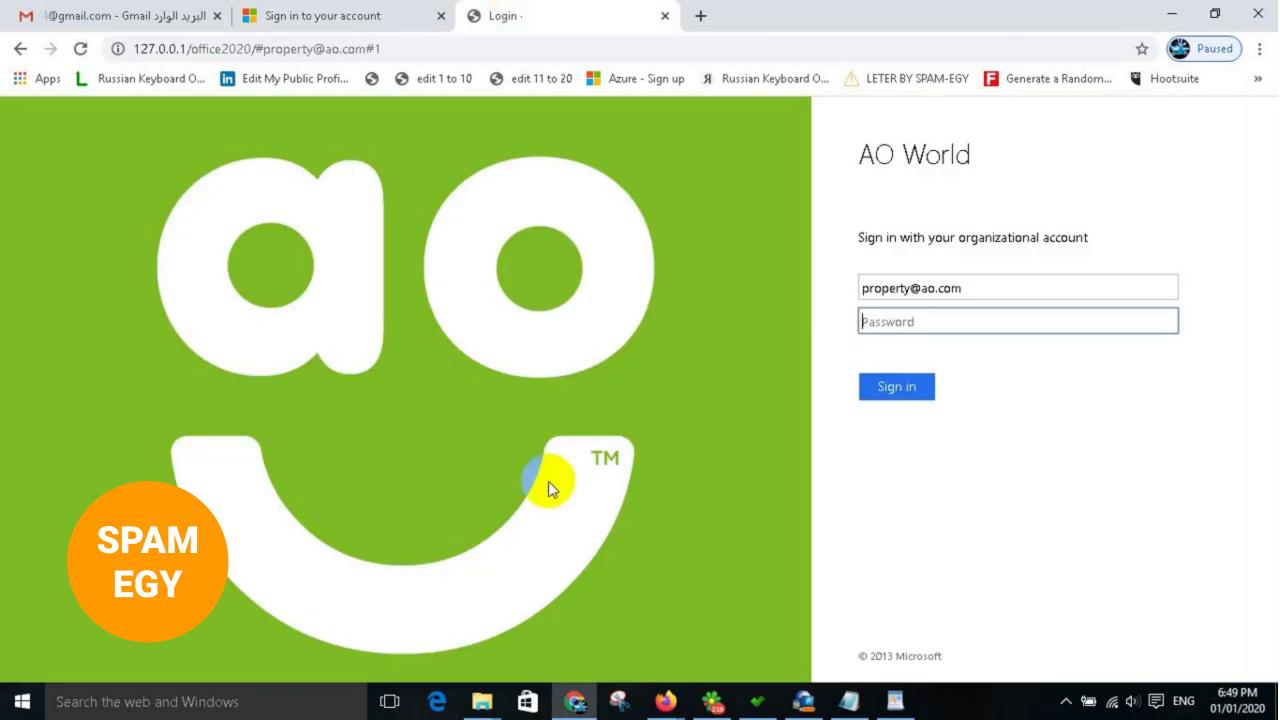
@ 2020 INSEAD

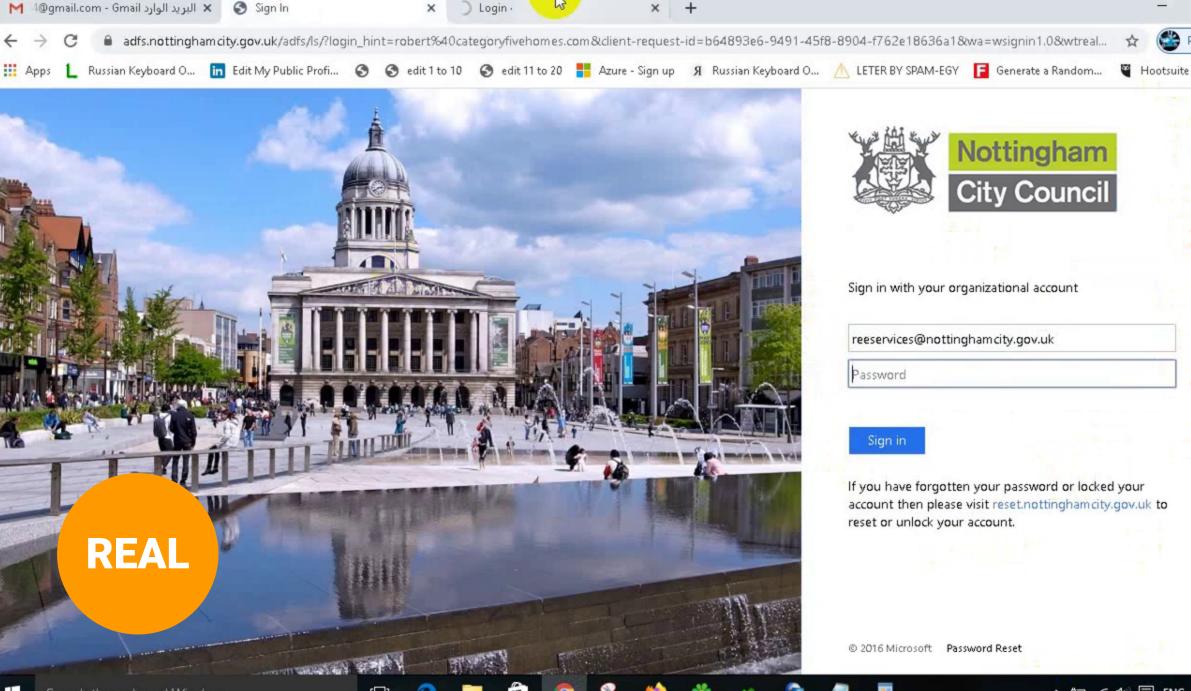
Accreditations











6:50 PM 01/01/2020













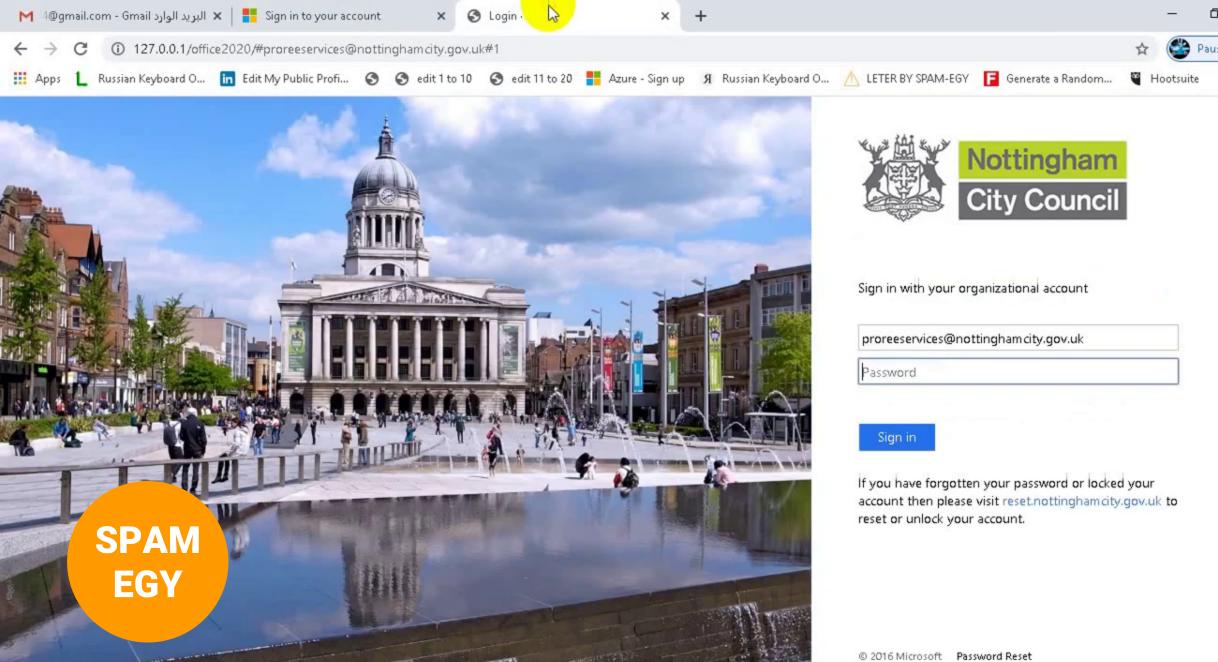


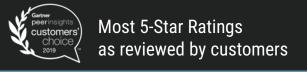








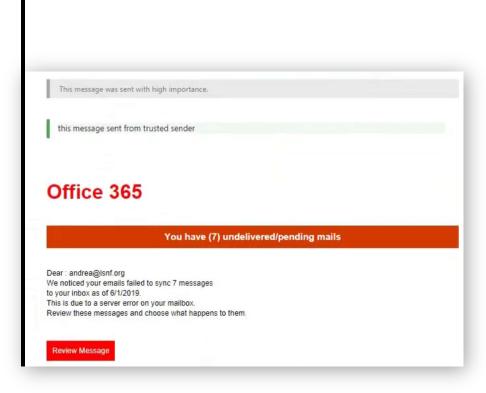


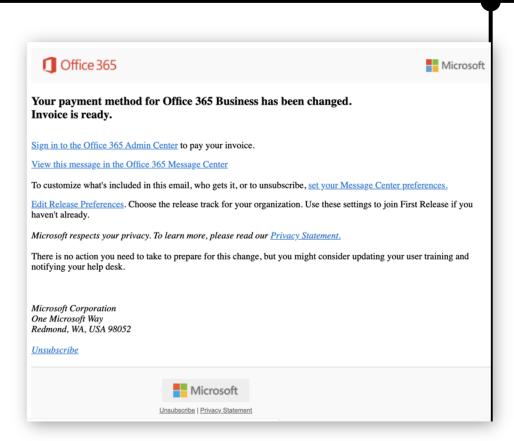




Evolution of an Attack

Oct 2018 Jan 2019 Feb 2019 Apr 2019 May 2019 Jun 2019 Aug 2019 Jan 2020

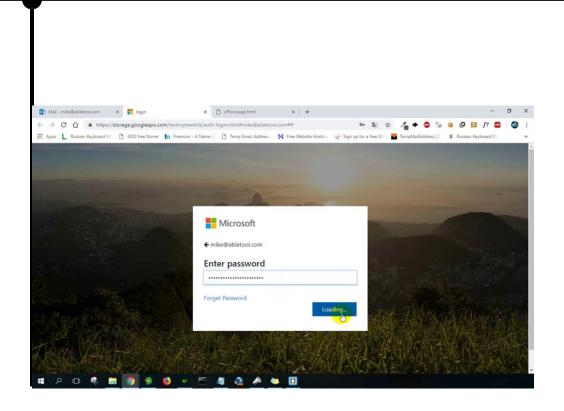


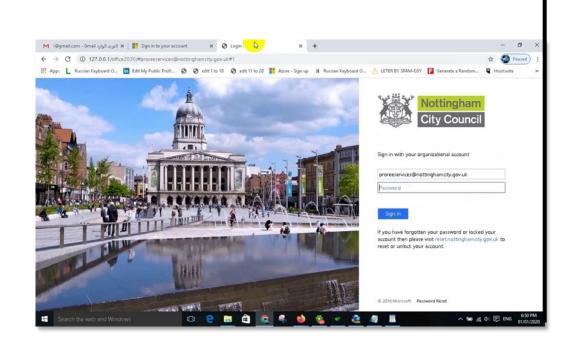


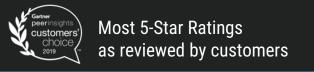


Evolution of an Attack

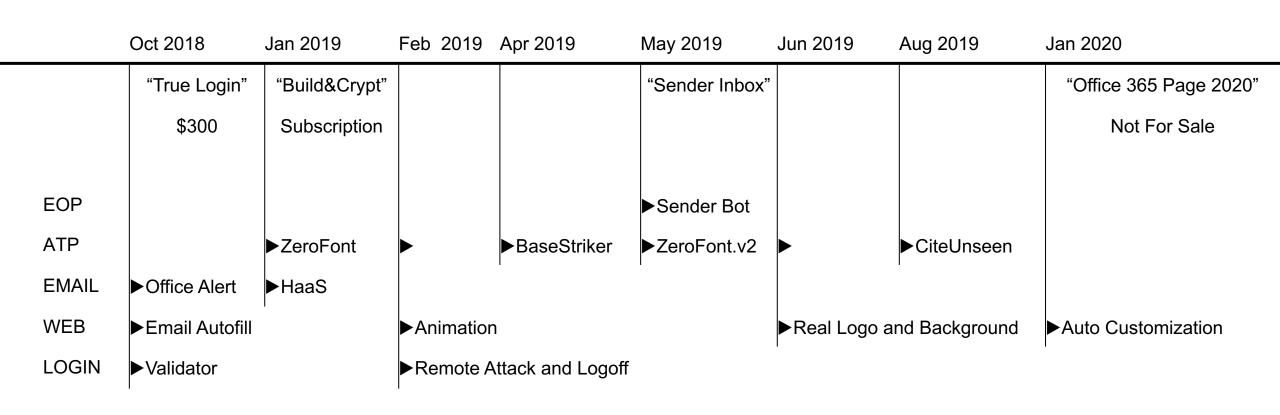
Oct 2018 Jan 2019 Feb 2019 Apr 2019 May 2019 Jun 2019 Aug 2019 Jan 2020







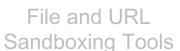








Known Threat Feeds





Office 365 | G Suite Indicators of Attack



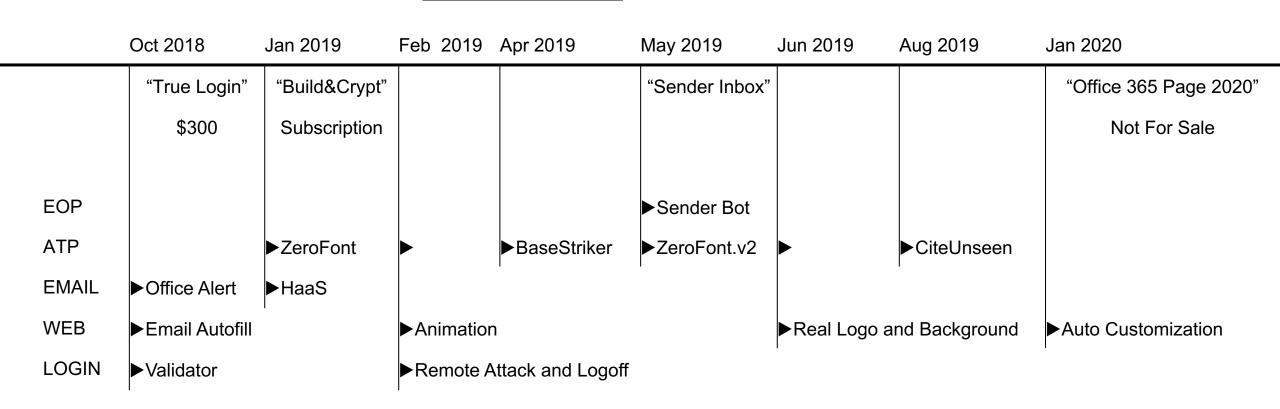
Customer Specific Internal/BEC ML



Customer Specific False Positive ML



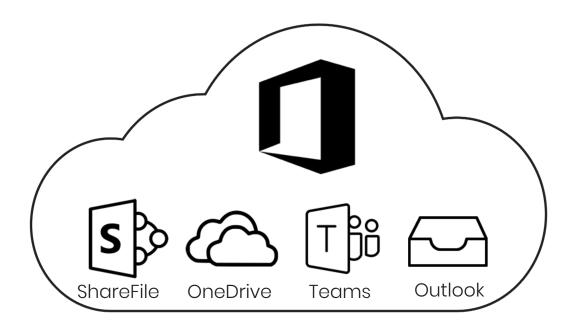
Customer Specific SaaS Events



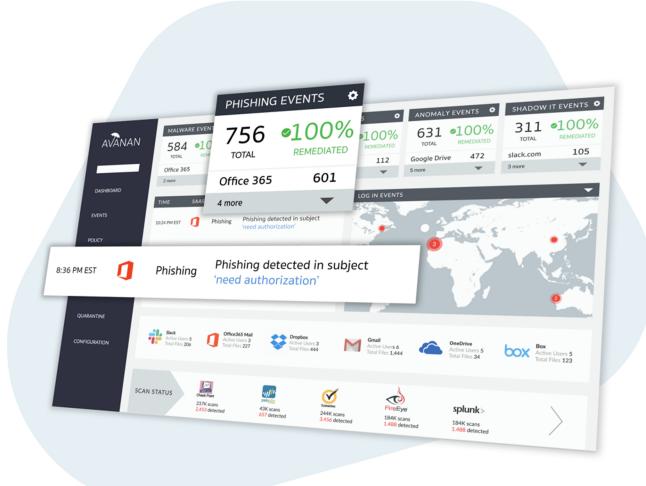


Best Email Security as reviewed by customers

Protects the Entire Suite Not just Email







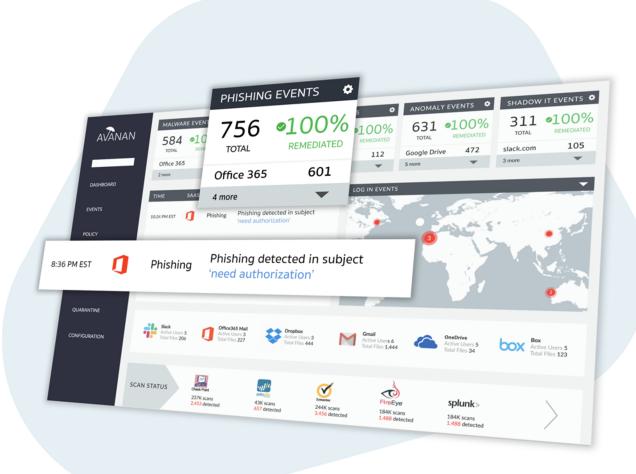


Best Email Security Choice as reviewed by customers

Has a SPAM-EGY customer visited your inbox? Request a free trial.

avanan.com/spam-egy







Best Email Security Choice as reviewed by customers



Request a free trial.

avanan.com/spam-egy



Michael Landewe

Co-Founder, Chief Privacy Officer michael@avanan.com

