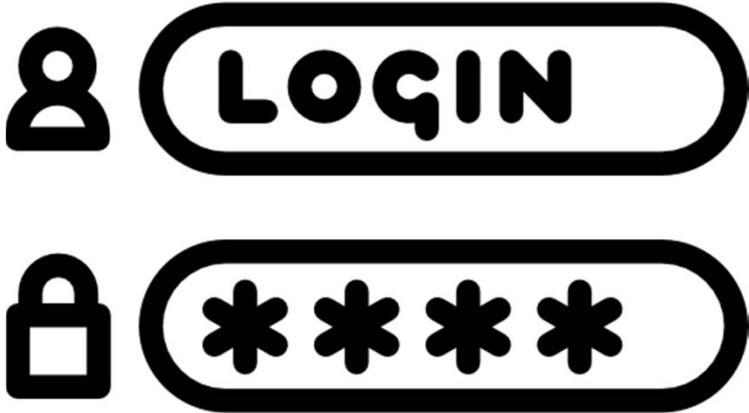
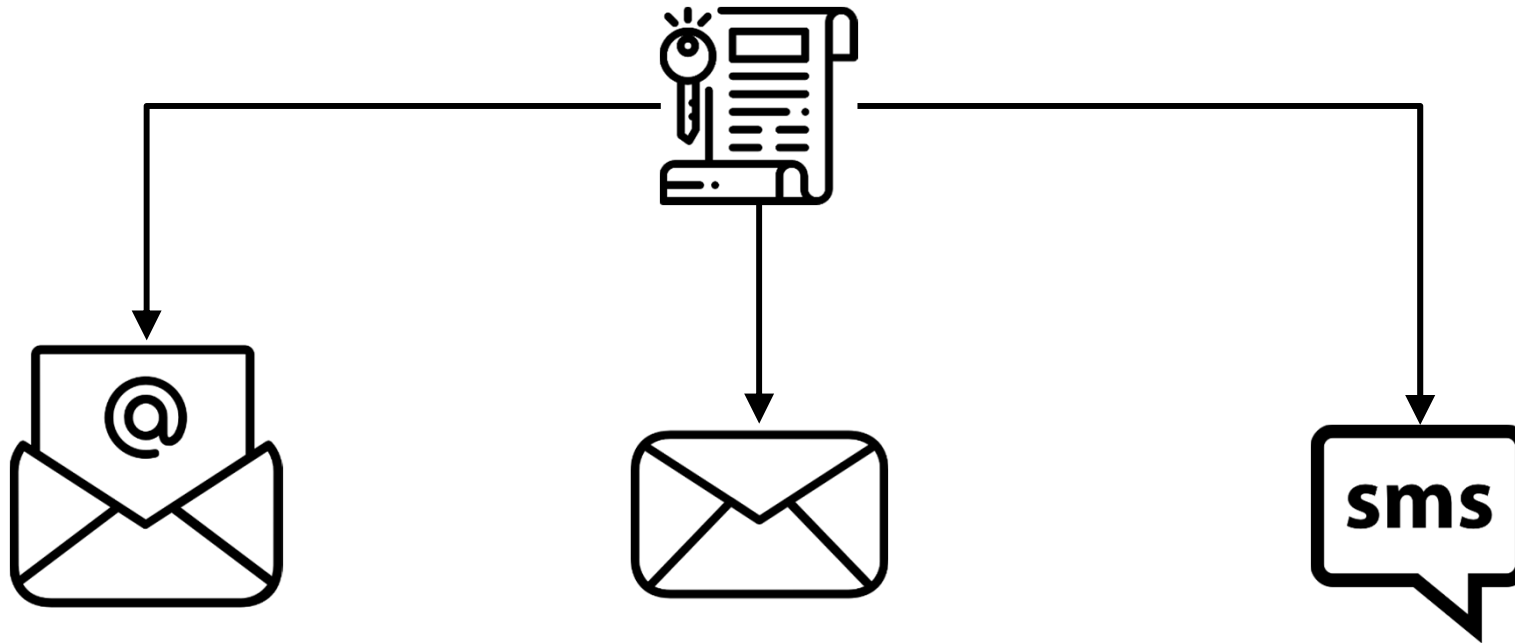


Sicherer Austausch von Credentials

Ein Erfahrungsbericht





Password Pusher

Go Ahead. Email Another Password.

created by Peter Giacomo Lombardo



Password Pusher

Go Ahead. Email Another Password.

Password1!

Expire secret link and delete the stored password after:



(whichever comes first)

Allow viewers to optionally delete password before expiration

Push it!

Your password is...

XXXXXXXXXX

Please obtain and securely store this password elsewhere, ideally in a password manager.

This secret link will be deleted in 7 days or 4 more views (whichever occurs first).

Nah. I've got it. Delete this secret link now.

User Experience



User Experience: Secure-by-default

smarthouse

adesso
financial
solutions

Expire link and delete the stored secret after:

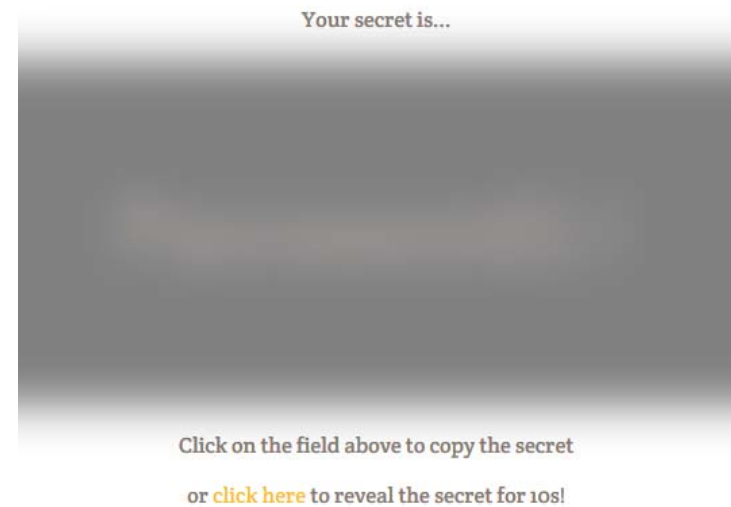
1 Hour

1 View

(whichever comes first)

Allow viewers to optionally delete secret before expiration

Push it!



Please obtain and securely store this secret elsewhere.

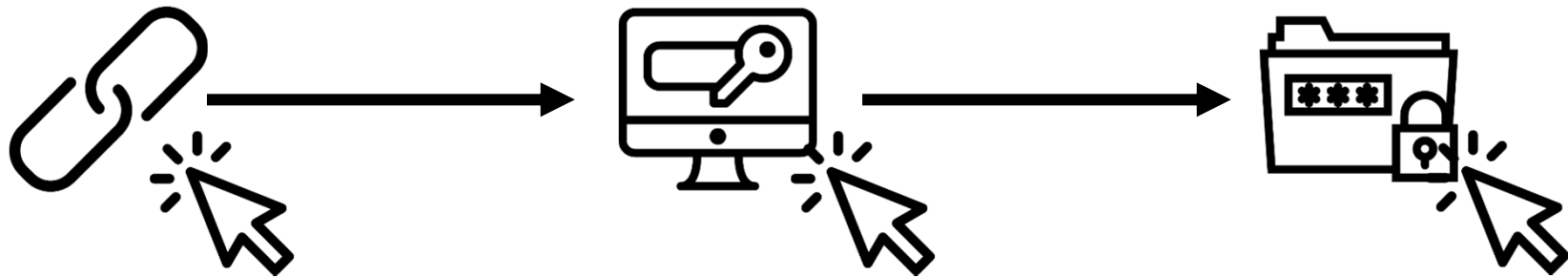
This link will be deleted in 1 hour or 0 more views (this is the last view).

Nah. I've got it. [Delete this link now.](#)

User Experience: Easy-2-Use

smarthouse

adesso
financial
solutions





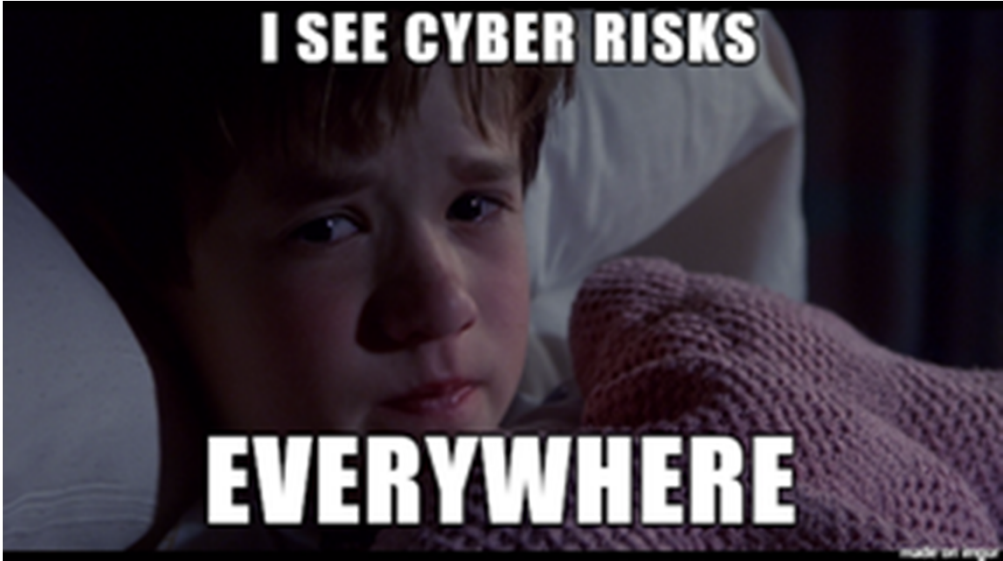
Scan Summary



Host:	pwpush.com
Scan ID #:	7709838
Start Time:	June 19, 2018 1:14 PM
Duration:	4 seconds
Score:	75/100
Tests Passed:	10/11

Test Scores

Test	Pass	Score	Explanation	
Content Security Policy	✘	-25	Content Security Policy (CSP) header not implemented	i
Cookies	✔	0	All cookies use the <code>secure</code> flag and all session cookies use the <code>HttpOnly</code> flag	i
Cross-origin Resource Sharing	✔	0	Content is not visible via cross-origin resource sharing (CORS) files or headers	i
HTTP Public Key Pinning	–	0	HTTP Public Key Pinning (HPKP) header not implemented (optional)	i
HTTP Strict Transport Security	✔	0	HTTP Strict Transport Security (HSTS) header set to a minimum of six months (15768000)	i
Redirection	✔	0	Initial redirection is to HTTPS on same host, final destination is HTTPS	i
Referrer Policy	–	0	Referrer-Policy header not implemented (optional)	i
Subresource Integrity	–	0	Subresource Integrity (SRI) not implemented, but all scripts are loaded from a similar origin	i
X-Content-Type-Options	✔	0	X-Content-Type-Options header set to <code>"nosniff"</code>	i
X-Frame-Options	✔	0	X-Frame-Options (XFO) header set to <code>SAMEORIGIN</code> or <code>DENY</code>	i
X-XSS-Protection	✔	0	X-XSS-Protection header set to <code>"1; mode=block"</code>	i



Scan Summary

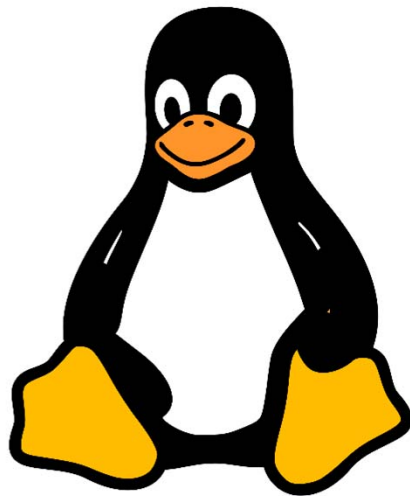


Host:	secpush.smarthouse.de
Scan ID #:	7709145 (unlisted)
Start Time:	June 19, 2018 10:25 AM
Duration:	9 seconds
Score:	130/100
Tests Passed:	11/11

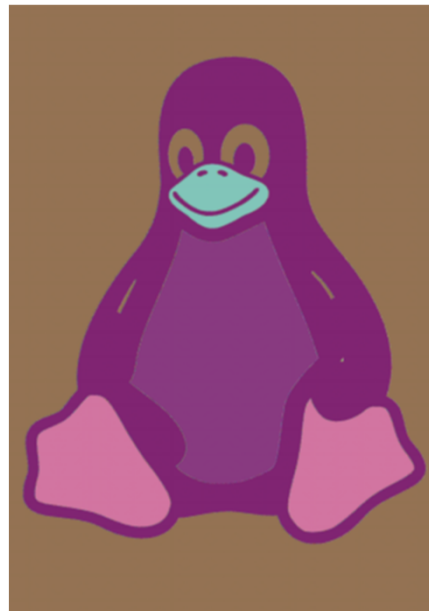
Test Scores

Test	Pass	Score	Explanation	
Content Security Policy	✓	+10	Content Security Policy (CSP) implemented with <code>default-src 'none'</code> and no <code>'unsafe'</code>	ⓘ
Cookies	✓	+5	All cookies use the <code>Secure</code> flag, session cookies use the <code>HttpOnly</code> flag, and cross-origin restrictions are in place via the <code>SameSite</code> flag	ⓘ
Cross-origin Resource Sharing	✓	0	Content is not visible via cross-origin resource sharing (CORS) files or headers	ⓘ
HTTP Public Key Pinning	—	0	HTTP Public Key Pinning (HPKP) header not implemented (optional)	ⓘ
HTTP Strict Transport Security	✓	+5	Preloaded via the HTTP Strict Transport Security (HSTS) preloading process	ⓘ
Redirection	✓	0	Not able to connect via HTTP, so no redirection necessary	ⓘ
Referrer Policy	✓	+5	Referrer-Policy header set to <code>"no-referrer"</code> , <code>"same-origin"</code> , <code>"strict-origin"</code> or <code>"strict-origin-when-cross-origin"</code>	ⓘ
Subresource Integrity	—	0	Subresource Integrity (SRI) not implemented, but all scripts are loaded from a similar origin	ⓘ
X-Content-Type-Options	✓	0	X-Content-Type-Options header set to <code>"nosniff"</code>	ⓘ
X-Frame-Options	✓	+5	X-Frame-Options (XFO) implemented via the CSP <code>frame-ancestors</code> directive	ⓘ
X-XSS-Protection	✓	0	X-XSS-Protection header set to <code>"1; mode=block"</code>	ⓘ





Original



Deterministisch



Probabilistisch

Datenverwaltung: Forgetting your Secret



Evaluation	?
User Experience	?
Updating	?
Security Header	?
Datenverwaltung	?
Sonstiges	?
Total	?

Evaluation	~5h
User Experience	~15h
Updating	~16h
Security Header	~8h
Datenverwaltung	~9h
Sonstiges	~15h
Total	~68h / ~8.5 Arbeitsage

Vielen Dank!



<https://github.com/smarthouse/PasswordPusher/>