GARRISON

Mitigating the risk from the web

November 2018

About Garrison

- 4 years old
- VC backed. Raised over $50m to date
- 50 staff operating in UK and US. Expanding into ME and SE Asia
- Building cloud hosted service alongside on-premises products
- Customers ranging from medium-sized commercial companies to large ‘secure government’ organisations

Would you click this link?

Who runs the server it's hosted on?

Who keeps the content updated?

Who owns this domain?

Is the server software patched?

http://www.dubiouslink.com/

How is the server protected?

How are the admin credentials protected?

What other domains does it pull in content from?

Just another (patch) Tuesday…

CVE-2018-8475 | Windows Remote Code Execution Vulnerability

Security Vulnerability

Published: 09/11/2018
MITRE CVE-2018-8475

A remote code execution vulnerability exists when Windows does not properly handle specially crafted image files. An attacker who successfully exploited the vulnerability could execute arbitrary code.

To exploit the vulnerability, an attacker would have to convince a user to download an image file.

The update addresses the vulnerability by properly handling image files.

Security

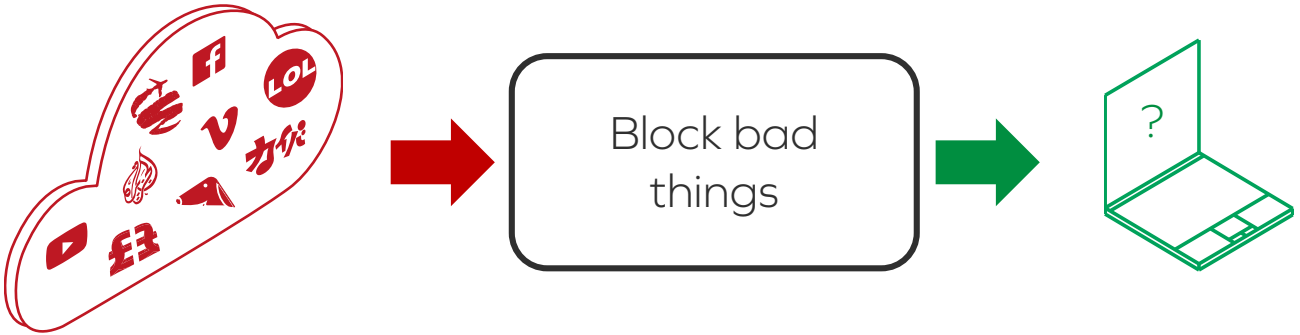
By Shaun Nichols in San Francisco 11 Sep 2018 at 22:44

One of the more noteworthy of those bugs is CVE-2018-8475, a remote code flaw that can be triggered simply by viewing an image file in Windows. While no exploits are out, Microsoft warns that details on the vulnerability are already public.

"Open the wrong image – even through a web browser – and code executes, making this a browse-and-own scenario," explains Dustin Childs of Trend Micro's Zero Day initiative.

What’s to be done?

The old world



The new world

Authoritative advice

https://www.ncsc.gov.uk/guidance/pattern-safely-importing-data

National Cyber Security Centre
a part of GCHQ

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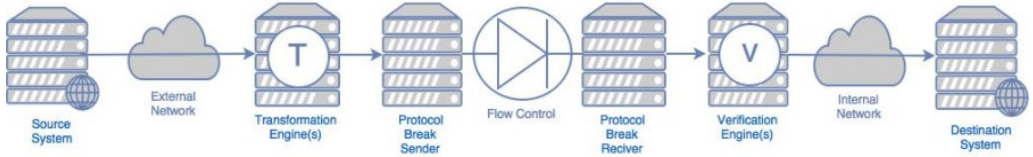
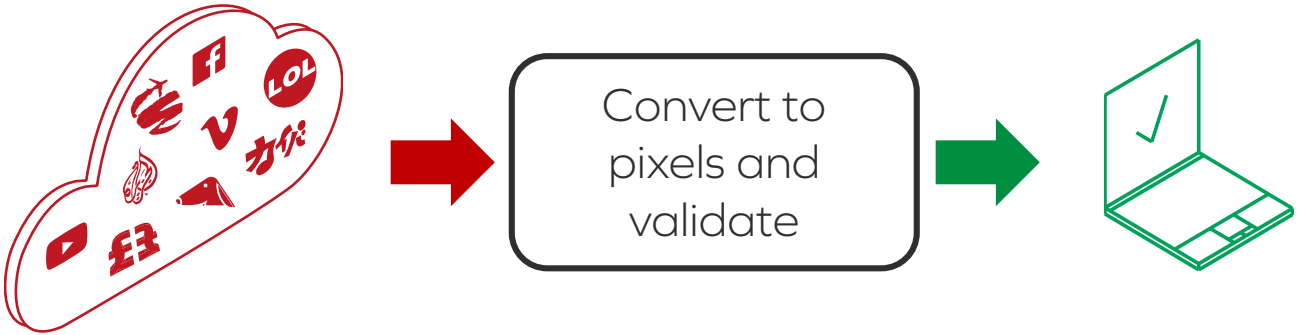
Guidance

Pattern: Safely Importing Data

Created: 16 Jul 2018
Updated: 16 Jul 2018



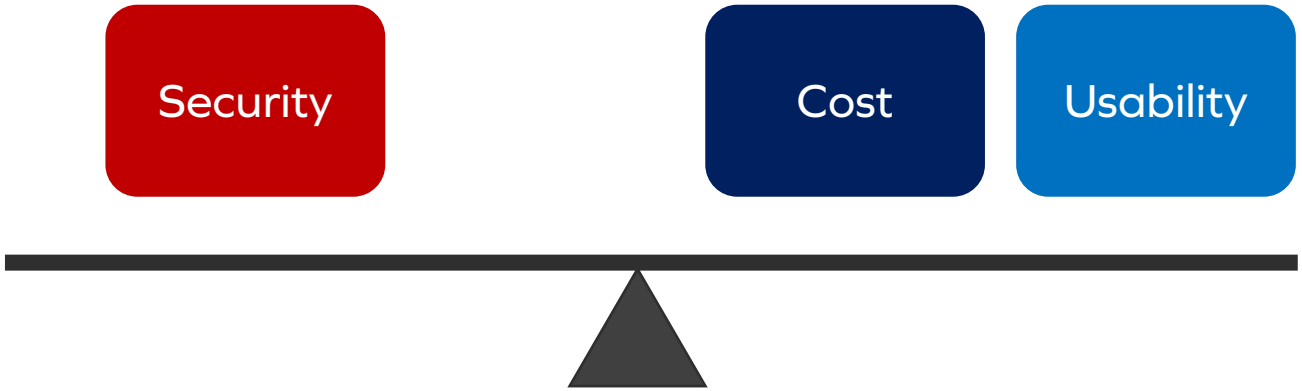
Ultra-secure browsing



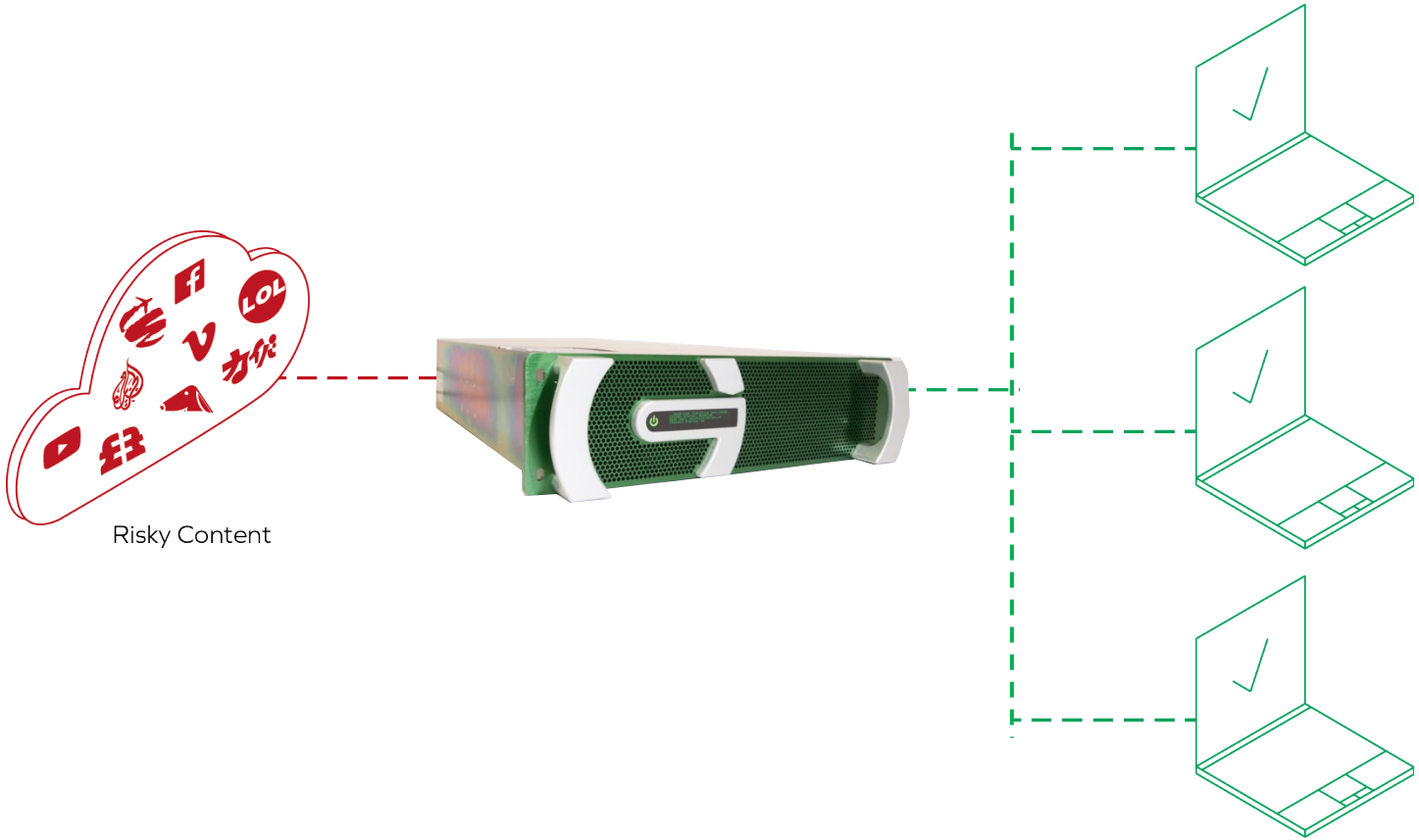
The basic concept

Robot Assured Video Isolation…

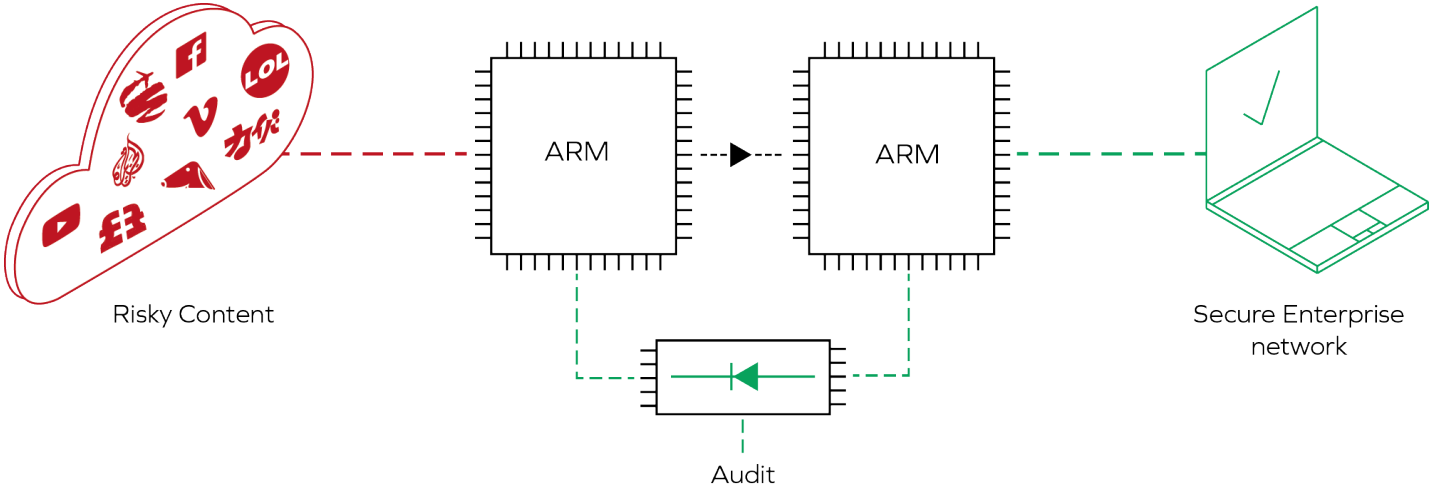
In the real world…



Garrison SAVI® - Silicon Assured Video Isolation



Garrison SAVI® technology



GARRISON

Secure Remote Browsing

Ultra-secure internet

Guaranteed user experience even at scale

Performance and affordability

www.garrison.com