Package 'securitytxt'

August 19, 2019

Type Package

Title Identify and Parse Web Security Policies Files

Version 0.1.1

Date 2019-08-18

Maintainer Bob Rudis <bob@rud.is>

Description When security risks in web services are discovered by independent
security researchers who understand the severity of the risk, they
often lack the channels to properly disclose them. As a result,
security issues may be left unreported. The 'security.txt' 'Web Security Policies'
specification defines an 'IETF' draft standard <https://tools.ietf.org/html/draft-foudil-securitytxt-
00>
to help organizations define the process for security researchers to securely
disclose security vulnerabilities. Tools are provided to help identify and
parse 'security.txt' files to enable analysis of the usage and adoption of these policies.

URL https://gitlab.com/hrbrmstr/securitytxt

BugReports https://gitlab.com/hrbrmstr/securitytxt/issues

Copyright file inst/COPYRIGHTS

License MIT + file LICENSE

Encoding UTF-8

Suggests testthat, covr

Depends R (>= 3.2.0)

Imports Rcpp

RoxygenNote 6.1.1

LinkingTo Rcpp

NeedsCompilation yes

Author Bob Rudis [aut, cre] (<https://orcid.org/0000-0001-5670-2640>),
SEOmoz Inc [aut, cph] (url-cpp library,
<https://github.com/seomoz/url-cpp>)

Repository CRAN

Date/Publication 2019-08-19 16:40:02 UTC

R topics documented:

| sectxt | *Parse a* security.txt *Web Security Policies file & create a* sectxt *object* |

Description

This function takes in a single element character vector and parses it into a sectxt object.

Usage

```
sectxt(x)
```

Arguments

x   either an atomic character vector containing a complete security.txt file *or* a length >1 character vector that will be concatenated into a single string *or* a connection object that will be passed to [readLines()](), the result of which will be concatenated into a single string and parsed and the connection will be closed.

References

- [IETF Draft]()
- [Information hub]()
- [GitHub Organization]()

Examples

```
sectxt(readLines(system.file("extdata", "security.txt", package="securitytxt")))
## Not run:
sectxt(url(sectxt_url("https://securitytxt.org")))

## End(Not run)
```

---

sectxt_info	*Retrieve a data frame of security.txt keys/values*

Description

Retrieve a data frame of security.txt keys/values

Usage

```
sectxt_info(x)
```

Arguments

x   a parsed `security.txt` created with `sectxt()`

Value

data frame

---

sectxt_url	*Determine security.txt URL for a given site/URL*

Description

Provide any URL for a resource and retrieve the URL for the `security.txt` file. Strips off extraneous URL components and appends `.well-known/security.txt`.

Usage

```
sectxt_url(url)
```

Arguments

url   URL

Value

character vector

Examples

```
sectxt_url("https://securitytxt.org/this/that/the/other.html")
```

---

sectxt_validate   *Validate a* security.txt *Web Security Policies file*

Description

Validate a security.txt Web Security Policies file

Usage

```
sectxt_validate(x)
```

Arguments

x   an object created with [sectxt()](#)

Value

logical; TRUE if all fields match current IETF standard, FALSE if not

---

securitytxt   *Identify and Parse Web Security Policies Files*

Description

When security risks in web services are discovered by independent security researchers who under-
stand the severity of the risk, they often lack the channels to properly disclose them. As a result,
security issues may be left unreported. The 'security.txt' 'Web Security Policies'specification de-
fines an 'IETF' draft standard <https://tools.ietf.org/html/draft-foudil-securitytxt-00>
to help organizations define the process for security researchers to securely disclose security vul-
nerabilities. Tools are provided to help identify and parse 'security.txt' files to enable analysis of
the usage and adoption of these policies.

Author(s)

Bob Rudis (bob@rud.is)

References

- [IETF Draft](#)
- [Information hub](#)
- [GitHub Organization](#)

Index