

# Package ‘securitytxt’

October 21, 2017

**Type** Package

**Title** Identify and Parse Web Security Policies Files

**Version** 0.1.0

**Date** 2017-10-20

**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://github.com/hrbrmstr/securitytxt>

**BugReports** <https://github.com/hrbrmstr/securitytxt/issues>

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**Suggests** testthat, covr

**Depends** R (>= 3.2.0)

**Imports** Rcpp

**RoxygenNote** 6.0.1

**LinkingTo** Rcpp

**NeedsCompilation** yes

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SEOMoz Inc [aut, cph] (url-cpp library,  
<<https://github.com/seomoz/url-cpp>>)

**Repository** CRAN

**Date/Publication** 2017-10-21 15:18:51 UTC

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sectxt	<i>Parse a security.txt Web Security Policies file &amp; create a sectxt object</i>
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### 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)
```

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

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sectxt_url	<i>Determine security.txt URL for a given site/URL</i>
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**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")
```

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sectxt_validate	<i>Validate a security.txt Web Security Policies file</i>
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**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

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securitytxt	<i>Identify and Parse Web Security Policies Files</i>
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**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.

**Author(s)**

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