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# Commit 43fe06b



miss-islington and sethmlarson authored 3 weeks ago · ✖ 50 / 54 · Partially verified



[3.13] [gh-143930](#): Reject leading dashes in webbrowser URLs ([GH-146215](#))

(cherry picked from commit [82a24a4](#))

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[3.13](#) (AcreationOS-Linux/python#2, #146215) · v3.13.13

1 parent [daa4106](#) commit 43fe06b

**3 files changed** +19 -0 lines changed

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- ✓ Lib
  - ✓ test
    - test\_webbrowser.py
    - webbrowser.py
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**3 files changed** +19 -0 lines changed

```

  ✓ Lib/test/test_webbrowser.py
  ...
  @@ -65,6 +65,11 @@ def test_open(self):
65 65         options=[],
66 66         arguments=[URL])
67 67
68 +     def test_reject_dash_prefixes(self):
69 +         browser = self.browser_class(name=CMD_NAME)

```

```

70 +         with self.assertRaises(ValueError):
71 +             browser.open(f"--key=val {URL}")
72 +
68 73
69 74     class BackgroundBrowserCommandTest(CommandTestMixin, unittest.TestCase):
70 75

```



Lib/webbrowser.py



```

↑... @@ -164,6 +164,12 @@ def open_new(self, url):
164 164     def open_new_tab(self, url):
165 165         return self.open(url, 2)
166 166
167 +     @staticmethod
168 +     def _check_url(url):
169 +         """Ensures that the URL is safe to pass to subprocesses as a
170 +         parameter"""
171 +         if url and url.lstrip().startswith("-"):
172 +             raise ValueError(f"Invalid URL: {url}")
172 +
167 173
168 174     class GenericBrowser(BaseBrowser):
169 175         """Class for all browsers started with a command
↑... @@ -181,6 +187,7 @@ def __init__(self, name):
181 187
182 188     def open(self, url, new=0, autoraise=True):
183 189         sys.audit("webbrowser.open", url)
190 +         self._check_url(url)
184 191         cmdline = [self.name] + [arg.replace("%s", url)
185 192                     for arg in self.args]
186 193         try:
↑... @@ -201,6 +208,7 @@ def open(self, url, new=0, autoraise=True):
201 208         cmdline = [self.name] + [arg.replace("%s", url)
202 209                     for arg in self.args]
203 210         sys.audit("webbrowser.open", url)
211 +         self._check_url(url)
204 212         try:
205 213             if sys.platform[:3] == 'win':
206 214                 p = subprocess.Popen(cmdline)
↓...

```



	↑	@@ -267,6 +275,7 @@ def _invoke(self, args, remote, autoraise, url=None):
267	275	
268	276	def open(self, url, new=0, autoraise=True):
269	277	sys.audit("webbrowser.open", url)
278	+	self._check_url(url)
270	279	if new == 0:
271	280	action = self.remote_action
272	281	elif new == 1:
	↓	@@ -358,6 +367,7 @@ class Konqueror(BaseBrowser):
	↑	
358	367	
359	368	def open(self, url, new=0, autoraise=True):
360	369	sys.audit("webbrowser.open", url)
370	+	self._check_url(url)
361	371	# XXX Currently I know no way to prevent KFM from opening a new win.
362	372	if new == 2:
363	373	action = "newTab"
	↓	@@ -576,6 +586,7 @@ def register_standard_browsers():
	↑	
576	586	class WindowsDefault(BaseBrowser):
577	587	def open(self, url, new=0, autoraise=True):
578	588	sys.audit("webbrowser.open", url)
589	+	self._check_url(url)
579	590	try:
580	591	os.startfile(url)
581	592	except OSError:
	↕	@@ -596,6 +607,7 @@ def __init__(self, name='default'):
596	607	
597	608	def open(self, url, new=0, autoraise=True):
598	609	sys.audit("webbrowser.open", url)
610	+	self._check_url(url)
599	611	url = url.replace(' ', '%22')
600	612	if self.name == 'default':
601	613	script = f'open location "{url}"' # opens in default browser
	↓	@@ -627,6 +639,7 @@ def open(self, url, new=0, autoraise=True):
	↑	
627	639	class IOSBrowser(BaseBrowser):
628	640	def open(self, url, new=0, autoraise=True):
629	641	sys.audit("webbrowser.open", url)
642	+	self._check_url(url)

```
630 643         # If ctypes isn't available, we can't open a browser
631 644         if objc is None:
632 645             return False
```



...6-01-16-12-04-49.gh-issue-143930.zYC5x3.rst



... @@ -0,0 +1 @@

1 + Reject leading dashes in URLs passed to `:func:`webbrowser.open``

## Comments 0