

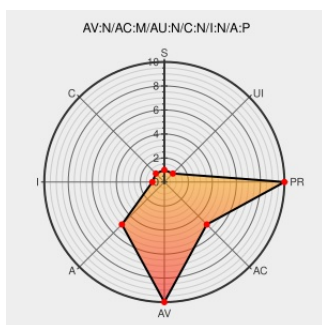


CVE-2013-4287

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CVE-2013-4287

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#) 

Certain versions of [Enterprise Linux](#) from [Redhat](#) contain the following vulnerability:

Algorithmic complexity vulnerability in Gem::Version::VERSION_PATTERN in lib/rubygems/version.rb in RubyGems before 1.8.23.1, 1.8.24 through 1.8.25, 2.0.x before 2.0.8, and 2.1.x before 2.1.0, as used in Ruby 1.9.0 through 2.0.0p247, allows remote attackers to cause a denial of service (CPU consumption) via a crafted gem version that triggers a large amount of backtracking in a regular expression.

CVE-2013-4287 has been assigned by secalert@redhat.com to track the vulnerability

CVSS2 Score: **4.3 - MEDIUM**

Access Vector

Access Complexity

Authentication

NETWORK

MEDIUM

NONE

Confidentiality Impact

Integrity Impact

Availability Impact

NONE

NONE

PARTIAL

CVE References

Description

Tags

Link

Red Hat Customer Portal

[web.archive.org](#)

[text/html](#)

Inactive Link **Not Archived**

[REDHAT RHSA-2014:0207](#)

oss-security - CVE-2013-4287 Algorithmic complexity vulnerability in RubyGems 2.0.7 and older

[Patch](#)

[www.openwall.com](#)

[text/x-ruby](#)

[MLIST \[oss-security\] 20130909 CVE-2013-4287 Algorithmic complexity vulnerability in RubyGems 2.0.7 and older](#)

CVE-2013-4287 | Puppet

[puppet.com](#)

[text/html](#)

[CONFIRM puppet.com/security/cve/cve-2013-4287](#)

Red Hat Customer Portal

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[REDHAT RHSA-2013:1427](#)

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 [REDHAT RHSA-2013:1441](#)

Security Advisory SA55381 - Red Hat update for
rubygems - Secunia

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CVE-2013-4287 Algorithmic complexity vulnerability in
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[text/html](#)

 [CONFIRM blog.rubygems.org/2013/09/09/CVE-2013-4287.html](#)

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Redhat	Enterprise Linux	6.0	All	All	All
Operating System	Redhat	Enterprise Linux	6.0	All	All	All
Application	Ruby-lang	Ruby	1.9	All	All	All
Application	Ruby-lang	Ruby	1.9.1	All	All	All
Application	Ruby-lang	Ruby	1.9.2	All	All	All
Application	Ruby-lang	Ruby	1.9.3	All	All	All
Application	Ruby-lang	Ruby	1.9.3	p0	All	All
Application	Ruby-lang	Ruby	1.9.3	p125	All	All
Application	Ruby-lang	Ruby	1.9.3	p194	All	All
Application	Ruby-lang	Ruby	1.9.3	p286	All	All
Application	Ruby-lang	Ruby	1.9.3	p383	All	All
Application	Ruby-lang	Ruby	1.9.3	p385	All	All
Application	Ruby-lang	Ruby	1.9.3	p392	All	All
Application	Ruby-lang	Ruby	1.9.3	p426	All	All

Application	Ruby-lang	Ruby	1.9.3	p429	All	All
Application	Ruby-lang	Ruby	2.0	All	All	All
Application	Ruby-lang	Ruby	2.0.0	All	All	All
Application	Ruby-lang	Ruby	2.0.0	p0	All	All
Application	Ruby-lang	Ruby	2.0.0	p195	All	All
Application	Ruby-lang	Ruby	2.0.0	p247	All	All
Application	Ruby-lang	Ruby	2.0.0	preview1	All	All
Application	Ruby-lang	Ruby	2.0.0	preview2	All	All
Application	Ruby-lang	Ruby	2.0.0	rc1	All	All
Application	Ruby-lang	Ruby	2.0.0	rc2	All	All
Application	Ruby-lang	Ruby	1.9	All	All	All
Application	Ruby-lang	Ruby	1.9.1	All	All	All
Application	Ruby-lang	Ruby	1.9.2	All	All	All
Application	Ruby-lang	Ruby	1.9.3	All	All	All
Application	Ruby-lang	Ruby	1.9.3	p0	All	All
Application	Ruby-lang	Ruby	1.9.3	p125	All	All
Application	Ruby-lang	Ruby	1.9.3	p194	All	All
Application	Ruby-lang	Ruby	1.9.3	p286	All	All
Application	Ruby-lang	Ruby	1.9.3	p383	All	All
Application	Ruby-lang	Ruby	1.9.3	p385	All	All
Application	Ruby-lang	Ruby	1.9.3	p392	All	All
Application	Ruby-lang	Ruby	1.9.3	p426	All	All
Application	Ruby-lang	Ruby	1.9.3	p429	All	All
Application	Ruby-lang	Ruby	2.0	All	All	All
Application	Ruby-lang	Ruby	2.0.0	All	All	All
Application	Ruby-lang	Ruby	2.0.0	p0	All	All
Application	Ruby-lang	Ruby	2.0.0	p195	All	All
Application	Ruby-lang	Ruby	2.0.0	p247	All	All
Application	Ruby-lang	Ruby	2.0.0	preview1	All	All
Application	Ruby-lang	Ruby	2.0.0	preview2	All	All
Application	Ruby-lang	Ruby	2.0.0	rc1	All	All
Application	Ruby-lang	Ruby	2.0.0	rc2	All	All
Application	Rubygems	Rubygems	1.8.0	All	All	All
Application	Rubygems	Rubygems	1.8.1	All	All	All
Application	Rubygems	Rubygems	1.8.10	All	All	All
Application	Rubvaems	Rubvaems	1.8.11	All	All	All

Application						
Application	Rubygems	Rubygems	1.8.12	All	All	All
Application	Rubygems	Rubygems	1.8.13	All	All	All
Application	Rubygems	Rubygems	1.8.14	All	All	All
Application	Rubygems	Rubygems	1.8.15	All	All	All
Application	Rubygems	Rubygems	1.8.16	All	All	All
Application	Rubygems	Rubygems	1.8.17	All	All	All
Application	Rubygems	Rubygems	1.8.18	All	All	All
Application	Rubygems	Rubygems	1.8.19	All	All	All
Application	Rubygems	Rubygems	1.8.2	All	All	All
Application	Rubygems	Rubygems	1.8.20	All	All	All
Application	Rubygems	Rubygems	1.8.21	All	All	All
Application	Rubygems	Rubygems	1.8.22	All	All	All
Application	Rubygems	Rubygems	1.8.24	All	All	All
Application	Rubygems	Rubygems	1.8.25	All	All	All
Application	Rubygems	Rubygems	1.8.3	All	All	All
Application	Rubygems	Rubygems	1.8.4	All	All	All
Application	Rubygems	Rubygems	1.8.5	All	All	All
Application	Rubygems	Rubygems	1.8.6	All	All	All
Application	Rubygems	Rubygems	1.8.7	All	All	All
Application	Rubygems	Rubygems	1.8.8	All	All	All
Application	Rubygems	Rubygems	1.8.9	All	All	All
Application	Rubygems	Rubygems	2.0.0	All	All	All
Application	Rubygems	Rubygems	2.0.1	All	All	All
Application	Rubygems	Rubygems	2.0.2	All	All	All
Application	Rubygems	Rubygems	2.0.3	All	All	All
Application	Rubygems	Rubygems	2.0.4	All	All	All
Application	Rubygems	Rubygems	2.0.5	All	All	All
Application	Rubygems	Rubygems	2.0.6	All	All	All
Application	Rubygems	Rubygems	2.0.7	All	All	All
Application	Rubygems	Rubygems	2.1.0	rc1	All	All
Application	Rubygems	Rubygems	2.1.0	rc2	All	All
Application	Rubygems	Rubygems	1.8.0	All	All	All
Application	Rubygems	Rubygems	1.8.1	All	All	All
Application	Rubygems	Rubygems	1.8.10	All	All	All
Application	Rubygems	Rubygems	1.8.11	All	All	All

Application	Rubygems	Rubygems	1.8.12	All	All	All
Application	Rubygems	Rubygems	1.8.13	All	All	All
Application	Rubygems	Rubygems	1.8.14	All	All	All
Application	Rubygems	Rubygems	1.8.15	All	All	All
Application	Rubygems	Rubygems	1.8.16	All	All	All
Application	Rubygems	Rubygems	1.8.17	All	All	All
Application	Rubygems	Rubygems	1.8.18	All	All	All
Application	Rubygems	Rubygems	1.8.19	All	All	All
Application	Rubygems	Rubygems	1.8.2	All	All	All
Application	Rubygems	Rubygems	1.8.20	All	All	All
Application	Rubygems	Rubygems	1.8.21	All	All	All
Application	Rubygems	Rubygems	1.8.22	All	All	All
Application	Rubygems	Rubygems	1.8.24	All	All	All
Application	Rubygems	Rubygems	1.8.25	All	All	All
Application	Rubygems	Rubygems	1.8.3	All	All	All
Application	Rubygems	Rubygems	1.8.4	All	All	All
Application	Rubygems	Rubygems	1.8.5	All	All	All
Application	Rubygems	Rubygems	1.8.6	All	All	All
Application	Rubygems	Rubygems	1.8.7	All	All	All
Application	Rubygems	Rubygems	1.8.8	All	All	All
Application	Rubygems	Rubygems	1.8.9	All	All	All
Application	Rubygems	Rubygems	2.0.0	All	All	All
Application	Rubygems	Rubygems	2.0.1	All	All	All
Application	Rubygems	Rubygems	2.0.2	All	All	All
Application	Rubygems	Rubygems	2.0.3	All	All	All
Application	Rubygems	Rubygems	2.0.4	All	All	All
Application	Rubygems	Rubygems	2.0.5	All	All	All
Application	Rubygems	Rubygems	2.0.6	All	All	All
Application	Rubygems	Rubygems	2.0.7	All	All	All
Application	Rubygems	Rubygems	2.1.0	rc1	All	All
Application	Rubygems	Rubygems	2.1.0	rc2	All	All
Application	Rubygems	Rubygems	All	All	All	All
cpe:2.3:o:redhat:enterprise_linux:6.0:*:*:*:*:*:						
cpe:2.3:o:redhat:enterprise_linux:6.0:*:*:*:*:*:						
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cpe:2.3:a:ruby-lang:ruby:1.9.1:****:
cpe:2.3:a:ruby-lang:ruby:1.9.2:****:
cpe:2.3:a:ruby-lang:ruby:1.9.3:****:
cpe:2.3:a:ruby-lang:ruby:1.9.3:p0:****:
cpe:2.3:a:ruby-lang:ruby:1.9.3:p125:****:
cpe:2.3:a:ruby-lang:ruby:1.9.3:p194:****:
cpe:2.3:a:ruby-lang:ruby:1.9.3:p286:****:
cpe:2.3:a:ruby-lang:ruby:1.9.3:p383:****:
cpe:2.3:a:ruby-lang:ruby:1.9.3:p385:****:
cpe:2.3:a:ruby-lang:ruby:1.9.3:p392:****:
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cpe:2.3:a:ruby-lang:ruby:1.9.3:p429:****:
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cpe:2.3:a:ruby-lang:ruby:1.9.3:p194:****:

cpe:2.3:a:ruby-lang:ruby:1.9.3:p286:****:*:
cpe:2.3:a:ruby-lang:ruby:1.9.3:p383:****:*:
cpe:2.3:a:ruby-lang:ruby:1.9.3:p385:****:*:
cpe:2.3:a:ruby-lang:ruby:1.9.3:p392:****:*:
cpe:2.3:a:ruby-lang:ruby:1.9.3:p426:****:*:
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cpe:2.3:a:ruby-lang:ruby:2.0:****:*:
cpe:2.3:a:ruby-lang:ruby:2.0.0:****:*:
cpe:2.3:a:ruby-lang:ruby:2.0.0:p0:****:*:
cpe:2.3:a:ruby-lang:ruby:2.0.0:p195:****:*:
cpe:2.3:a:ruby-lang:ruby:2.0.0:p247:****:*:
cpe:2.3:a:ruby-lang:ruby:2.0.0:preview1:****:*:
cpe:2.3:a:ruby-lang:ruby:2.0.0:preview2:****:*:
cpe:2.3:a:ruby-lang:ruby:2.0.0:rc1:****:*:
cpe:2.3:a:ruby-lang:ruby:2.0.0:rc2:****:*:
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cpe:2.3:a:rubygems:rubygems:1.8.21:*****:
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cpe:2.3:a:rubygems:rubygems:1.8.3:*****:
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cpe:2.3:a:rubygems:rubygems:1.8.5:*****:
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cpe:2.3:a:rubygems:rubygems:1.8.7:*****:
cpe:2.3:a:rubygems:rubygems:1.8.8:*****:
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cpe:2.3:a:rubygems:rubygems:2.0.0:*****:
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cpe:2.3:a:rubygems:rubygems:2.0.2:*****:
cpe:2.3:a:rubygems:rubygems:2.0.3:*****:
cpe:2.3:a:rubygems:rubygems:2.0.4:*****:
cpe:2.3:a:rubygems:rubygems:2.0.5:*****:
cpe:2.3:a:rubygems:rubygems:2.0.6:*****:
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cpe:2.3:a:rubygems:rubygems:1.8.13:*****:
cpe:2.3:a:rubygems:rubygems:1.8.14:*****:


```
cpe:2.3:a:rubygems:rubygems:1.8.15:*.~*~*~*~*~*~*
```

```
cpe:2.3:a:rubygems:rubygems:1.8.16:*:*:*:*:*:
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cpe:2.3:a:rubygems:rubygems:1.8.17:*:*:*:*:*:
```

```
cpe:2.3:a:rubygems:rubygems:1.8.18:*.~*~*~*~*~*~*
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```
cpe:2.3:a:rubygems:rubygems:1.8.19:*.~*~*~*~*~*~*
```

```
cpe:2.3:a:rubygems:rubygems:1.8.2:*:*:*:*:*:*:
```

```
cpe:2.3:a:rubygems:rubygems:1.8.20:*.:.:.:.:.:
```

```
cpe:2.3:a:rubygems:rubygems:1.8.21:::.*:.*:.*:.*:.*:.*:.*
```

```
cpe:2.3:a:rubygems:rubygems:1.8.22:*:*:*:*:*:*
```

```
cpe:2.3:a:rubygems:rubygems:1.8.24:*:*:*:*:*:
```

cpe:2.3:a:rubygems:rubygems:1.8.25:*:*:*:*:*:

```
cpe:2.3:a:rubygems:rubygems:1.8.3:*:*:*:*:*:*:
```

```
cpe:2.3:a:rubygems:rubygems:1.8.4:*:*:*:*:*:
```

```
cpe:2.3:a:rubygems:rubygems:1.8.5:*:*:*:*:*:
```

```
cpe:2.3:a:rubygems:rubygems:1.8.6:*.~*~*~*~*~*~*
```

```
cpe:2.3:a:rubygems:rubygems:1.8.7:*:*:*:*:*:
```

```
cpe:2.3:a:rubygems:rubygems:1.8.8:*:*:*:*:*:*:
```

```
cpe:2.3:a:rubygems:rubygems:1.8.9:*:*:*:*:*:*:
```

```
cpe:2.3:a:rubygems:rubygems:2.0.0:*:*:*:*:*:*:
```

```
cpe:2.3:a:rubygems:rubygems:2.0.1:*:*:*:*:*:*:
```

```
cpe:2.3:a:rubygems:rubygems:2.0.2:*:*:*:*:*:
```

```
cpe:2.3:a:rubygems:rubygems:2.0.3:*:*:*:*:*:
```

```
cpe:2.3:a:rubygems:rubygems:2.0.4:*:*:*:*:*:*:
```

```
cpe:2.3:a:rubygems:rubygems:2.0.5:*:*:*:*:*:*:
```

```
cpe:2.3:a:rubygems:rubygems:2.0.6:*:*:*:*:*:
```

```
cpe:2.3:a:rubygems:rubygems:2.0.7:.*:.*:.*:.*:.*:.*:.*
```

```
cpe:2.3:a:rubygems:rubygems:2.1.0:rc1:.*:.*:.*:.*:.*:.*
```

```
cpe:2.3:a:rubygems:rubygems:2.1.0:rc2:*:*:*:*:*:
```

cpe:2.3:a:rubygems:rubygems:*:*:*:*:*:*

No vendor comments have been submitted for this CVE

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