

Bug 1169385 (CVE-2020-8019) VUL 0: CVE-2020-8019: syslog-ng: Local privilege escalation from new to root in %post

Status: RESOLVED FIXED

Classification: Novell Products

Product: SUSE Security Incidents

Component: Incidents

Version: unspecified

Hardware: Other Other

Priority: P3 - Medium Severity: Normal

Target Milestone: ---

Assigned To: Security Team bot

QA Contact: Security Team bot

URL: <https://smash.suse.de/issue/257020/>

Whiteboard:

Keywords: ---

Depends on:

Blocks: [Show dependency tree / graph](#)

Create test case

Clone This Bug

Reported: 2020-04-14 08:13 UTC by Johannes Segitz

Modified: 2020-06-29 09:38 UTC ([History](#))

CC List: 6 users ([show](#))

See Also:

Found By: ---

Services Priority:

Business Priority:

Blocker: ---

Attachments

- diff of syslog-ng.spec (1.39 KB, text/plain)

Details
- 2020-04-15 08:55 UTC, Thomas Blume
- Add an attachment (proposed patch, testcase, etc.)

View All

Note

You need to [log in](#) before you can comment on or make changes to this bug.

Johannes Segitz 2020-04-14 08:13:05 UTC Description

POC:

```
sh-4.4$ id
uid=453(news) gid=450(news) groups=450(news)
context=unconfined_u:unconfined_r:unconfined_t:s0
sh-4.4$ cd /var/log/news/
sh-4.4$ rm news.err
sh-4.4$ ln -s /etc/shadow news.err

As root force reinstall of syslog-ng
zypper in -f syslog-ng

After that:
sh-4.4$ ls -lah /etc/shadow
-rw-r-----. 1 news news 1.2K Apr 14 10:03 /etc/shadow

The issue is this section in %post
364 mkdir -p -m 0750 var/log/news
365 chown news:news var/log/news
366 touch var/log/news/news.crit; chmod 640 var/log/news/news.crit
367 chown news:news var/log/news/news.crit
368 touch var/log/news/news.err; chmod 640 var/log/news/news.err
369 chown news:news var/log/news/news.err
370 touch var/log/news/news.notice; chmod 640 var/log/news/news.notice
371 chown news:news var/log/news/news.notice

As /var/log/news is owned by news it's dangerous to operate as root in this
directory. SLE 12 and Factory are affected. I would just remove this construct and
let rpm create the files
```

Johannes Segitz 2020-04-14 08:16:07 UTC Comment 1

This issue will be handled according to our disclosure policy outlined in [https://en.opensuse.org/openSUSE:Security\\_disclosure\\_policy](https://en.opensuse.org/openSUSE:Security_disclosure_policy)

The information listed here is not public. Please

- do not talk to other people about this unless they're involved in fixing the issue
- do not make this bug public
- do not submit this into OBS (e.g. fix Leap) until this is public

In accordance with our policy we will make this issue public latest at Internal CRD: 2020-07-13 or earlier

This is the latest possible date and we prefer to make it public earlier if the situation allows it. In that case we'll post a comment here setting the new date.

This is an internal finding, so we can make it public at any time we chose, but please coordinate with us.

In doubt please talk to us on IRC (#security) or send us a mail ([security@suse.de](mailto:security@suse.de)).

Thomas Blume 2020-04-14 08:36:48 UTC Comment 2

Hm, AFAIK, syslog-ng is not shipped anymore with the currently supported SLES version.

According to [https://www.suse.com/releasenotes/x86\\_64/SUSE-SLES/12/](https://www.suse.com/releasenotes/x86_64/SUSE-SLES/12/) it is part of the Legacy Module for which support seems to have expired too.

So, I'm not sure for which codestreams I will have to provide the fix.

Anyone who knows?

Johannes Segitz 2020-04-14 09:21:45 UTC

(In reply to Thomas Blume from [comment #2](#))  
According to `is_maintained`:

<code>SLE-DEBUGINFO_11-SP1-TERADATA</code>	<code>SUSE:SLE-11-SP1:Update</code>
<code>SLE-SERVER_11-SP1-TERADATA</code>	<code>SUSE:SLE-11-SP1:Update</code>
<code>SLE-DEBUGINFO_11-SP3-TERADATA</code>	<code>SUSE:SLE-11-SP1:Update</code>
<code>SLE-SERVER_11-SP3-TERADATA</code>	<code>SUSE:SLE-11-SP1:Update</code>
<code>SLE-Module-Legacy_12</code>	<code>SUSE:SLE-12:Update</code>
<code>SLE-SAP_12-SP1</code>	<code>SUSE:SLE-12:Update</code>

So SLE-11-SP1 and SLE-12 please. CCing [peter@czanik.hu](mailto:peter@czanik.hu) for openSUSE

Comment 3

peter czanik 2020-04-15 07:26:48 UTC

Could you share the proposed fix for SLES? I'll test it on openSUSE on a local build.

Note: current `Base:System:syslog-ng` is not yet accepted to Factory. Someone submitted an update to the latest version and some cleanup, which I accepted there, but it needs some changes before it can go to Factory. As I see a June date for CVE publication, I fix it independent of this. So, once this bug is public, we can go the regular `Base:System:syslog-ng` -> Factory easily.

Comment 4

Thomas Blume 2020-04-15 08:55:34 UTC

Created [attachment 835793 \[details\]](#)  
diff of `syslog-ng.spec`

Here is a diff of the specfile.  
Johannes, does that match your proposal?

Comment 5

Johannes Segitz 2020-04-15 11:37:25 UTC

looks good, thanks

Comment 6

ming li 2020-04-21 07:34:37 UTC

I'm testing the update. I found a problem. When I upgrade the program to a new version(3.6.4-12.6.1), the contents of the files in the previous news directory will be cleared, and this problem will also be triggered during the forced or upgraded installation of the same version of software. The tested old version of the package does not have these problems(3.6.4-12.3.1), and the log will be kept intact.

```
s12sp3:~ # rpm -qa|grep syslog-ng
syslog-ng-3.6.4-12.3.1.x86_64

s12sp3:~ # su news

news@s12sp3:/root> cd /var/log/news

news@s12sp3:/var/log/news> echo "abcdefghijk" > news.err

news@s12sp3:/var/log/news> cat news.err
abcdefghijk

news@s12sp3:/var/log/news> ll
total 4
-rw-r----- 1 news news 0 Apr 21 15:23 news.crit
-rw-r----- 1 news news 12 Apr 21 15:23 news.err
-rw-r----- 1 news news 0 Apr 21 15:23 news.notice

s12sp3:~ # zypper ar -f
http://download.suse.de/ibs/SUSE:/Maintenance:/14729/SUSE_Updates_SLE-Module-Legacy_12_x86_64/ test

s12sp3:~ # zypper up syslog-ng

s12sp3:~ # rpm -qa|grep syslog-ng
syslog-ng-3.6.4-12.6.1.x86_64

s12sp3:~ # cat /var/log/news/news.err

s12sp3:~ # ll /var/log/news/
total 0
-rw-r----- 1 news news 0 Apr 16 15:44 news.crit
-rw-r----- 1 news news 0 Apr 16 15:44 news.err
-rw-r----- 1 news news 0 Apr 16 15:44 news.notice

The contents of the files will also be emptied during the forced or upgraded installation of the same version of software:

s12sp3:~ # zypper ar -f
http://download.suse.de/ibs/SUSE:/Maintenance:/14729/SUSE_Updates_SLE-Module-Legacy_12_x86_64/ test

s12sp3:~ # zypper in -f syslog-ng

s12sp3:~ # rpm -qa|grep syslog-ng
syslog-ng-3.6.4-12.6.1.x86_64

s12sp3:~ # su news

news@s12sp3:/root> cd /var/log/news

news@s12sp3:/var/log/news> echo "abcdefghijk" > news.err

news@s12sp3:/var/log/news> cat news.err
abcdefghijk

news@s12sp3:/var/log/news> ll
total 4
-rw-r----- 1 news news 0 Apr 16 15:44 news.crit
-rw-r----- 1 news news 12 Apr 21 15:04 news.err
-rw-r----- 1 news news 0 Apr 16 15:44 news.notice

s12sp3:~ # zypper in -f syslog-ng
```

Comment 9

```
Loading repository data...
Reading installed packages...
Forcing installation of 'syslog-ng-3.6.4-12.6.1.x86_64' from repository 'test'.
Resolving package dependencies...

The following package is going to be reinstalled:
  syslog-ng

1 package to reinstall.
Overall download size: 475.9 KiB. Already cached: 0 B. No additional space will be
used or freed after the operation.
Continue? [y/n/...? shows all options] (y):
Retrieving package syslog-ng-3.6.4-12.6.1.x86_64
(1/1), 475.9 KiB ( 1.8 MiB unpacked)
Retrieving: syslog-ng-3.6.4-12.6.1.x86_64.rpm
.....
[done (207.4 KiB/s)]

Checking for file conflicts:
.....
[done]
(1/1) Installing: syslog-ng-3.6.4-12.6.1.x86_64
.....
[done]
Additional rpm output:
Updating /etc/sysconfig/syslog...

sl2sp3:~ # ll /var/log/news
total 0
-rw-r----- 1 news news 0 Apr 16 15:44 news.crit
-rw-r----- 1 news news 0 Apr 16 15:44 news.err
-rw-r----- 1 news news 0 Apr 16 15:44 news.notice

sl2sp3:~ # cat /var/log/news/news.err
```

this means it destroys the /var/log/news content during update, which is not so good.

perhaps using something like %ghost files might help.

Comment 10

ming li 2020-04-21 08:06:59 UTC

```
It also removes the entire news directory during the downgrade:

reproducer:
sl2sp3:~ # rpm -qa|grep syslog-ng
syslog-ng-3.6.4-12.6.1.x86_64

sl2sp3:~ # su news

news@sl2sp3:/root> cd /var/log/news/

news@sl2sp3:/var/log/news> echo "abcdefghijk" > news.err

news@sl2sp3:/var/log/news> cat news.err
abcdefghijk

news@sl2sp3:/var/log/news> ll
total 4
-rw-r----- 1 news news 0 Apr 16 15:44 news.crit
-rw-r----- 1 news news 12 Apr 21 15:51 news.err
-rw-r----- 1 news news 0 Apr 16 15:44 news.notice

sl2sp3:~ # zypper in -f --oldpackage syslog-ng-3.6.4-12.3.1

sl2sp3:~ # rpm -qa|grep syslog-ng
syslog-ng-3.6.4-12.3.1.x86_64

sl2sp3:~ # ls /var/log/news
ls: cannot access '/var/log/news': No such file or directory

I think it's a regression.
```

Comment 11

Johannes Segitz 2020-04-21 08:39:33 UTC

```
I'm not sure if %ghost would work as that IIRC wouldn't create the file and set the
permissions as needed. Maybe marking it as %config could be abused, but that feels
pretty dirty
```

Comment 12

Thomas Blume 2020-04-21 11:06:58 UTC

```
(In reply to Johannes Segitz from comment #12)

> I'm not sure if %ghost would work as that IIRC wouldn't create the file and
> set the permissions as needed. Maybe marking it as %config could be abused,
> but that feels pretty dirty

So, the only chance I see is to move the old news directory away in a %pre script,
and cat the content of the old news files in the freshly created files in a %post
script.
Would that be ok?
```

Comment 13

Johannes Segitz 2020-04-21 13:45:57 UTC

```
(In reply to Thomas Blume from comment #13)
no that doesn't work as this would mean that root operates in a user controlled
directory. That is really hard to do right and almost impossible in bash.

Since %ghost doesn't work please give %config(noreplace) at try. Maybe someone with
more packaging knowledge has a better idea
```

Comment 14

peter czanik 2020-04-22 06:50:59 UTC

```
First of all a stupid question: is there still anything using these log files? I
did a quick search on Leap packages, so I might have overlooked something, but I
could not find anything news related.
```

Comment 15

Also, I did not have time yet for testing, so I might ask something stupid:

- how is it solved in rsyslog packaging?  
- even if we remove news related stuff from %post, it remains a user owned directory where the user still can delete files, create symlinks, etc. So, is this really a solution?  
- syslog-ng can create files and even directories on demand with proper user and permissions, see: create-dirs(), dir-\* at <https://www.syslog-ng.com/technical-documents/doc/syslog-ng-open-source-edition/3.16/administration-guide/31#TOPIC-956501>

Obviously #2 and #3 contradict each other, but with #3 news related directory and file are only created if there is incoming log for news.

Another workaround idea: make the /var/log/news directory owned by root. That way the news user can't do anything ugly and syslog-ng can still create log files owned by news.

If all goes well, I can spend more time on it in the coming days.

CzP from syslog-ng upstream

Thomas Blume 2020-04-22 07:37:57 UTC

Comment 16

(In reply to peter czanik from [comment #15](#))

> First of all a stupid question: is there still anything using these log files? I did a quick search on Leap packages, so I might have overlooked something, but I could not find anything news related.  
>  
> Also, I did not have time yet for testing, so I might ask something stupid:  
>  
> - how is it solved in rsyslog packaging?  
> - even if we remove news related stuff from %post, it remains a user owned directory where the user still can delete files, create symlinks, etc. So, is this really a solution?  
> - syslog-ng can create files and even directories on demand with proper user and permissions, see: create-dirs(), dir-\* at <https://www.syslog-ng.com/technical-documents/doc/syslog-ng-open-source-edition/3.16/administration-guide/31#TOPIC-956501>  
>  
> Obviously #2 and #3 contradict each other, but with #3 news related directory and file are only created if there is incoming log for news.  
>  
> Another workaround idea: make the /var/log/news directory owned by root.  
> That way the news user can't do anything ugly and syslog-ng can still create log files owned by news.

I guess for Leap another question would be, is syslog-ng still used by anyone? ;)

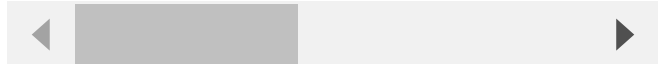
For SLES, I'm afraid we cannot go the way of syslog-ng autocreation of the news files, since they were there in previous packages. syslog-ng in SLES is already far into LTS and changing the presence of files in a package at this stage of the lifecycle is pretty problematic.  
We have to be as less intrusive as possible for such legacy packages.

Johannes Segitz 2020-04-22 15:16:08 UTC

Comment 17

(In reply to peter czanik from [comment #15](#))

> First of all a stupid question: is there still anything using these log files?



can't answer this, but usually there's at least one person using every oh so arcane thing

> Also, I did not have time yet for testing, so I might ask something stupid:

>

> - how is it solved in rsyslog packaging?

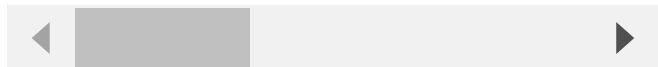
rsyslog doesn't package any files in /var/log in openSUSE

> - even if we remove news related stuff from %post, it remains a user owned direct



yes because that isn't the problem. The issue here is the ability to escalate your privileges to root. Of course it would be better if the log files belonged to root, but I assume that they need to belong to news so that this user can write into these files

> - syslog-ng can create files and even directories on demand with proper user and



If we can configure syslog-ng to create the files when needed then this would be the best solution if this is done in a secure way (either /var/log/news belonging to root, see below, or syslog-ng being really careful when operating in a non-root owned directory)

> Another workaround idea: make the /var/log/news directory owned by root. That way



That would work if syslog-ng is careful in how it does that. If you have a config for that that I can test I can check if this is done in a secure way

> If all goes well, I can spend more time on it in the coming days.

Great to hear :)

Yes, syslog-ng is still in use by SLES and Leap users. As all error messages direct people to syslog-ng websites, most questions and bug reports land by us upstream. Many use my unofficial syslog-ng packages from OBS as well, both SLES and Leap. Even on some less common architectures, like POWER and Aarch64 :)

If log files need to be created by the time of installation, then the only possible workaround I see is to do some tests. Does something like this work from RPM?

```
if [[ -L var/log/news/news.err ]]; then echo "oops, var/log/news/news.err is a symlink, skipping it"; else touch var/log/news/news.err; chmod 640 var/log/news/news.err ; fi
```

I'll post a syslog-ng configuration in the afternoon for creating news directory and files on demand with proper rights. Practically it's adding the following setting to all destinations within the news directory:

```
create-dirs(yes) dir-group("news") dir-owner("news") dir-perm(750)
```

I did not test it yet.

Relevant part of the syslog-ng configuration for automagical directory creation:

```
"
#
# News-messages in separate files:
#
destination newscrit { file("/var/log/news/news.crit"
    create-dirs(yes) dir-group("news") dir-owner("news") dir-perm(0750)
    suppress(30) owner(news) group(news)); };
log { source(src); source(chroots); filter(f_newscrit); destination(newscrit); };

destination newserr { file("/var/log/news/news.err"
    create-dirs(yes) dir-group("news") dir-owner("news") dir-perm(0750)
    suppress(30) owner(news) group(news)); };
log { source(src); source(chroots); filter(f_newserr); destination(newserr); };


destination newsnotice { file("/var/log/news/news.notice"
    create-dirs(yes) dir-group("news") dir-owner("news") dir-perm(0750)
    suppress(30) owner(news) group(news)); };
log { source(src); source(chroots); filter(f_newsnotice); destination(newsnotice);
};
"
```

It seems to work fine. For the Tumbleweed / Leap route I'd go this direction and remove the log file creation part completely, not just for news.

What do you think?

(In reply to peter czanik from [comment #18](#))

```
> if [[ -L var/log/news/news.err ]]; then echo "oops, var/log/news/news.err is a sy
```



This is a TOCTOU vulnerability ([https://en.wikipedia.org/wiki/Time-of-check\\_to\\_time-of-use](https://en.wikipedia.org/wiki/Time-of-check_to_time-of-use)). If you check first and then act on this I can come in between the check and the action.

You could package the var/log/news directory with the proper permissions (that shouldn't cause issues with overwriting existing files and then use setpriv to create the files as the news user if they don't exists. In this case the TOCTOU issue isn't a problem since the news user can't gain additional privileges.

Thanks for the syslog-ng snippet, I'll have a look if this is secure

(In reply to Johannes Segitz from [comment #14](#))

```
> (In reply to Thomas Blume from comment #13)
> no that doesn't work as this would mean that root operates in a user
> controlled directory. That is really hard to do right and almost impossible
> in bash.
>
> Since %ghost doesn't work please give %config(noreplace) at try. Maybe
> someone with more packaging knowledge has a better idea
```

My tests confirm that this works.

If there are no objections, I will submit that for the SLES LTSS versions.

For openSUSE we can find a better approach but for LTSS, I guess it's the best we can do.

(In reply to Thomas Blume from [comment #21](#))

okay lets do that. In the meantime I had a look at the configuration example you provided. First testing showed it to be secure, so that would be the way forward in my opinion. I didn't have time for an in depth look though, maybe at a later time

SUSE-SU-2020:1221-1: An update that fixes one vulnerability is now available.

Category: security (moderate)  
Bug References: 1169385  
CVE References: CVE-2020-8019  
Sources used:  
SUSE Linux Enterprise Server for SAP 12-SP1 (src): syslog-ng-3.6.4-12.8.1  
SUSE Linux Enterprise Module for Legacy Software 12 (src): syslog-ng-3.6.4-12.8.1

NOTE: This line indicates an update has been released for the listed product(s). At times this might be only a partial fix. If you have questions please reach out to maintenance coordination.

What was the final solution for SLES?

For the openSUSE package I definitely plan to remove this part:

```
364 mkdir -p -m 0750 var/log/news
365 chown news:news var/log/news
366 touch var/log/news/news.crit;  chmod 640 var/log/news/news.crit
367 chown news:news var/log/news/news.crit
368 touch var/log/news/news.err;  chmod 640 var/log/news/news.err
369 chown news:news var/log/news/news.err
370 touch var/log/news/news.notice; chmod 640 var/log/news/news.notice
371 chown news:news var/log/news/news.notice
```

For the configuration part I plan to implement the changes I suggested:

```
"
#
# News-messages in separate files:
#
destination newscrit { file("/var/log/news/news.crit"
    create-dirs(yes) dir-group("news") dir-owner("news") dir-perm(0750)
    suppress(30) owner(news) group(news)); }
/
log { source(src); source(chroots); filter(f_newscrit); destination(newscrit); }
/

destination newserr { file("/var/log/news/news.err"
    create-dirs(yes) dir-group("news") dir-owner("news") dir-perm(0750)
    suppress(30) owner(news) group(news)); }
/
log { source(src); source(chroots); filter(f_newserr); destination(newserr); }
/

destination newsnotice { file("/var/log/news/news.notice"
    create-dirs(yes) dir-group("news") dir-owner("news") dir-perm(0750)
    suppress(30) owner(news) group(news)); }
/
log { source(src); source(chroots); filter(f_newsnotice); destination(newsnotice); }
/
}
```

On the other hand might change it to comment it out. If there is anyone still using news (I highly doubt, there are no news related applications in Leap or Factory), one would need to enable it by hand. I happy to answer any related bugzilla reports :)

(In reply to peter czanik from [comment #26](#))

> What was the final solution for SLES?

This was actually the patch from [comment#5](#) plus `%config(noreplace)` that Johannes suggested in [comment#14](#).  
This is because syslog-ng is only available in legacy SLES versions where we attempt to minimize changes caused by updates.

Finally I could login again to Bugzilla...

openSUSE: now that the bug is public, I did test packages for openSUSE. First tested in my unofficial syslog-ng git snapshot repo:  
<https://build.opensuse.org/project/show/home:czanik:syslog-ng-githead> and it worked fine.

Then branched Base:System/syslog-ng and did the same changes:  
<https://build.opensuse.org/package/xdiff/home:czanik:branches:Base:System/syslog-ng?linkrev=base&rev=2>

Please review my changes and let me know if it's OK. If yes, I'll push it to Base:System/syslog-ng and to Tumbleweed.

I'd appreciate if someone could push the fix to openSUSE Leap 15.1! This part of the spec file and configuration did not change for over a decade, so porting it from the above URL should be trivial.

And how should we proceed for Leap 15.2?

Peter, what info do you need from me?  
The changes look ok to me, but I'm not in the reviewers team for syslog-ng on openSUSE.

SUSE-SU-2020:14369-1: An update that fixes one vulnerability is now available.

Category: security (moderate)  
Bug References: 1169385  
CVE References: CVE-2020-8019  
Sources used:  
SUSE Linux Enterprise Server 11-SP4-LTSS (src): syslog-ng-2.0.9-27.34.40.5.1  
SUSE Linux Enterprise Point of Sale 11-SP3 (src): syslog-ng-2.0.9-27.34.40.5.1  
SUSE Linux Enterprise Debuginfo 11-SP4 (src): syslog-ng-2.0.9-27.34.40.5.1  
SUSE Linux Enterprise Debuginfo 11-SP3 (src): syslog-ng-2.0.9-27.34.40.5.1

NOTE: This line indicates an update has been released for the listed product(s). At times this might be only a partial fix. If you have questions please reach out to maintenance coordination.

(In reply to Thomas Blume from [comment #29](#))

> Peter, what info do you need from me?  
> The changes look ok to me, but I'm not in the reviewers team for syslog-ng  
> on openSUSE.

This is the main information I need. As in this case I can go ahead and and submit

it to Base:System and Tumbleweed.

My other concern is, who could submit the fix to openSUSE Leap 15.1? I could not find a workflow for it in the wiki, and probably it is easier for someone, who did it a few times anyway.

(sorry for the late answer, since Monday I have troubles logging in)

---

**Thomas Blume** 2020-05-15 12:12:52 UTC

[Comment 32](#)

```
(In reply to peter czanik from comment #31)
> (In reply to Thomas Blume from comment #29)
> > Peter, what info do you need from me?
> > The changes look ok to me, but I'm not in the reviewers team for syslog-ng
> > on openSUSE.
>
> This is the main information I need. As in this case I can go ahead and and
> submit it to Base:System and Tumbleweed.
>
> My other concern is, who could submit the fix to openSUSE Leap 15.1? I could
> not find a workflow for it in the wiki, and probably it is easier for
> someone, who did it a few times anyway.
```

I can take care of this when the Tumbleweed request has been accepted.

> (sorry for the late answer, since Monday I have troubles logging in)

np. I wasn't sure whether you could see my comment, since it was initially set to private.

---

**peter czanik** 2020-05-16 07:39:29 UTC

[Comment 33](#)

Thanks! It is now accepted: <https://build.opensuse.org/request/show/805818>

---

**OBSbugzilla Bot** 2020-05-20 08:10:08 UTC

This is an autogenerated message for OBS integration:  
This bug (1169385) was mentioned in  
<https://build.opensuse.org/request/show/807465> 15.1 / syslog-ng

[Comment 34](#)

---

**Swamp Workflow Management** 2020-05-23 16:12:43 UTC

[Comment 35](#)

openSUSE-RU-2020:0700-1: An update that has one recommended fix can now be installed.

Category: recommended (moderate)  
Bug References: 1169385  
CVE References:  
Sources used:  
openSUSE Leap 15.1 (src):     syslog-ng-3.19.1-lp151.3.6.1

---

**Swamp Workflow Management** 2020-06-03 13:14:33 UTC

[Comment 36](#)

openSUSE-RU-2020:0761-1: An update that has one recommended fix can now be installed.

Category: recommended (moderate)  
Bug References: 1169385  
CVE References:  
Sources used:  
openSUSE Backports SLE-15-SP1 (src):     syslog-ng-3.19.1-bp151.4.6.1

---

**Wolfgang Frisch** 2020-06-03 13:58:41 UTC

[Comment 37](#)

Released.