Bug 1186240 - (CVE-2021-25321) VUL-0: CVE-2021-25321: arpwatch: LPE from runtime user to root

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: Johannes Segitz

QA Contact: Security Team bot

URL:

Whiteboard: CVSSv3.1:SUSE:CVE-2021-25321:7.7:(AV:...

Keywords:
Depends on:

Blocks:

Show dependency tree / graph

- Create test case
- Clone This Bug

Reported: 2021-05-19 11:25 UTC by Johannes Segitz

Modified: 2021-07-11 10:19 UTC (History)

CC List: 1 user (show)

See Also:
Found By: --Services Priority:
Business Priority:
Blocker: ---

Attachments

Add an attachment (proposed patch, testcase, etc.)

-Note

You need to log in before you can comment on or make changes to this bug

Johannes Segitz 2021-05-19 11:25:35 UTC

while preparing the first major update ${\mbox{\it I}}$ noticed this while rebasing the existing patches.

/var/lib/arpwatch is packaged as root:root. Once arpwatch was run with a unprivileged user the ownership is changed to the unprivileged user

\$ arpwatch -u johannes -d
\$ ls -lad /var/lib/arpwatch
drwxr-xr-x 2 johannes users 4096 May 19 13:18 /var/lib/arpwatch

which allows the user specified to escalate to root the next time arpwatch is

As user: # id uid=1000(johannes) gid=100(users) groups=100(users) # pwd /var/lib/arpwatch # rm arp.dat # ln -s /etc/shadow arp.dat

Start arpwatch again, after that /etc/shadow is owned by johannes -rw-r---- 1 johannes users 1.3K May 17 17:08 /etc/shadow

Johannes Segitz 2021-06-11 11:58:35 UTC

I have a patch that I'm testing and will likely submit today to maintenance

Robert Frohl 2021-06-28 13:47:26 UTC

public via SUSE release

Swamp Workflow Management 2021-06-28 19:18:50 UTC

 ${\tt SUSE-SU-2021:14759-1:} \ \, {\tt An update that fixes one vulnerability is now available.}$

Category: security (important) Bug References: 1186240 CVE References: CVE-2021-25321 JIRA References:

Sources used:

SUSE Linux Enterprise Server 11-SP4-LTSS (src): arpwatch-2.1a15-131.23.2.6.1

SUSE Linux Enterprise Point of Sale 11-SP3 (src): arpwatch-2.1a15-131.23.2.6.1

SUSE Linux Enterprise Debuginfo 11-SP4 (src): arpwatch-2.1a15-131.23.2.6.1

SUSE Linux Enterprise Debuginfo 11-SP3 (src): arpwatch-2.1a15-131.23.2.6.1

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.

Comment 3

Description

Comment 5

Comment 6

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Swamp Workflow Management 2021-06-28 19:45:19 UTC
                                                                                                                                                                                                                     Comment 7
  SUSE-SU-2021:2175-1: An update that fixes one vulnerability is now available.
  Category: security (important)
Bug References: 1186240
CVE References: CVE-2021-25321
JIRA References:
   Sources used:
  SUSE OpenStack Cloud Crowbar 9 (src): arpwatch-2.1a15-159.9.1
SUSE OpenStack Cloud Crowbar 8 (src): arpwatch-2.1a15-159.9.1
SUSE OpenStack Cloud 9 (src): arpwatch-2.1a15-159.9.1
SUSE OpenStack Cloud 8 (src): arpwatch-2.1a15-159.9.1
   SUSE Linux Enterprise Software Development Kit 12-SP5 (src):
                                                                                                                                         arpwatch-2.1a15-
 159,9.1

SUSE Linux Enterprise Server for SAP 12-SP4 (src): arpwatch-2.la15-159,9.1

SUSE Linux Enterprise Server for SAP 12-SP3 (src): arpwatch-2.la15-159,9.1

SUSE Linux Enterprise Server 12-SP5 (src): arpwatch-2.la15-159,9.1

SUSE Linux Enterprise Server 12-SP3-ITSS (src): arpwatch-2.la15-159,9.1

SUSE Linux Enterprise Server 12-SP3-ITSS (src): arpwatch-2.la15-159,9.1

SUSE Linux Enterprise Server 12-SP3-ECL (src): arpwatch-2.la15-159,9.1

SUSE Linux Enterprise Server 12-SP3-ECL (src): arpwatch-2.la15-159,9.1

SUSE Linux Enterprise Server 12-SP2-ECL (src): arpwatch-2.la15-159,9.1

HPE Helion Openstack 8 (src): arpwatch-2.la15-159,9.1
   159.9.1
 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.
Swamp Workflow Management 2021-06-28 20:10:22 UTC
                                                                                                                                                                                                                     Comment 8
  SUSE-SU-2021:2177-1: An update that fixes one vulnerability is now available.
  Category: security (important)
Bug References: 1186240
CVE References: CVE-2021-25321
   JIRA References:
  Sources used:
SUSE Manager Server 4.0 (src):
  Sources used:
SUSE Manager Server 4.0 (src): arpwatch-2.1a15-5.12.1
SUSE Manager Retail Branch Server 4.0 (src): arpwatch-2.1a15-5.12.1
SUSE Manager Proxy 4.0 (src): arpwatch-2.1a15-5.12.1
SUSE Linux Enterprise Server for SAP 15-5P1 (src): arpwatch-2.1a15-5.12.1
SUSE Linux Enterprise Server for SAP 15 (src): arpwatch-2.1a15-5.12.1
SUSE Linux Enterprise Server 15-SP1-LTES (src): arpwatch-2.1a15-5.12.1
SUSE Linux Enterprise Server 15-SP1-LTES (src): arpwatch-2.1a15-5.12.1
                                                                                                                      arpwatch-2.1a15-5.12.1
  SUSE Linux Enterprise Server 15-SP1-ELC (src): arpwatch-2.1a15-5.12.1
SUSE Linux Enterprise Server 15-SP1-ELC (src): arpwatch-2.1a15-5.12.1
SUSE Linux Enterprise Module for Basesystem 15-SP3 (src): arpwatch-2.1a15-5.12.1
SUSE Linux Enterprise Module for Basesystem 15-SP3 (src): arpwatch-2.1a15-5.12.1
SUSE Linux Enterprise Module for Basesystem 15-SP3 (src): arpwatch-2.1a15-5.12.1
SUSE Linux Enterprise High Performance Computing 15-SP1-LTSS (src): arpwatch-2.1a15-5.12.1
  2.1a15-5.12.1
SUSE Linux Enterprise High Performance Computing 15-SP1-ESPOS (src):
   2.1a15-5.12.1
   SUSE Linux Enterprise High Performance Computing 15-LTSS (src): arpwatch-2.1a15-
   SUSE Linux Enterprise High Performance Computing 15-ESPOS (src): arpwatch-2.1a15-5.12.1
       SE Enterprise Storage 6 (src): arpwatch-2.1a15-5.12.1
  SUSE CaaS Platform 4.0 (src):
                                                                       arpwatch-2.1a15-5.12.1
  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.
Swamp Workflow Management 2021-07-01 10:15:56 UTC
                                                                                                                                                                                                                    Comment 9
  openSUSE-SU-2021:0945-1: An update that fixes one vulnerability is now available.
  Category: security (important)
Bug References: 1186240
CVE References: CVE-2021-25321
   JIRA References:
  Sources used:
openSUSE Leap 15.2 (src):
                                                              arpwatch-2.1a15-1p152.6.9.1
Johannes Segitz 2021-07-05 07:13:19 UTC
                                                                                                                                                                                                                  Comment 10
  all updates submitted
Swamp Workflow Management 2021-07-11 10:19:36 UTC
                                                                                                                                                                                                                  Comment 11
```

First Last Prev Next This bug is not in your last search results.

openSUSE Leap 15.3 (src): arpwatch-2.1a15-5.12.1

Category: security (important) Bug References: 1186240 CVE References: CVE-2021-25321 JIRA References:

 ${\tt openSUSE-SU-2021:2177-1:} \ {\tt An update that fixes one vulnerability is now available.}$