



Bug 2262921 (CVE-2024-1394) - CVE-2024-1394 golang-fips/openssl: Memory leaks in code encrypting and decrypting RSA payloads

Keywords: Security

Reported: 2024-02-06 06:06 UTC by Avinash Hanwate

Status: NEW

Modified: 2026-04-18 08:28 UTC ([History](#))

Alias: CVE-2024-1394

CC List: 112 users ([show](#))

Product: Security Response

Fixed In Version: github.com/golang-fips/openssl/v2 2.0.1, github.com/microsoft/go-crypto-openssl/openssl 0.2.9

Component: vulnerability

Version: unspecified

Clone Of:

Hardware: All

Environment:

OS: Linux

Last Closed:

Priority: high

Embargoed:

Severity: high

Target Milestone: ---

Assignee: Product Security

QA Contact:

Docs Contact:

URL:

Whiteboard:

- Depends On:** 2262923 2262924
 2262925 2262926
 2262927 2262928
 2262929 2262930
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 2262933 2262934
 2262935 2262936
 2262937 2262949
 2262950 2262951
 2262952 2262953
 2262954 2262955
 2262956 2279584

Blocks: 2262922

TreeView+ [depends on](#) / [blocked](#)

Attachments [\(Terms of Use\)](#)

Links

System	ID	Private	Priority	Status	Summary	Last Updated
Red Hat	RHBA-2024:1478	0	None	None	None	2024-03-25

Product Errata						01:07:31 UTC
Red Hat Product Errata	RHBA-2024:1586	0	None	None	None	2024-04-01 19:37:06 UTC
Red Hat Product Errata	RHBA-2024:1656	0	None	None	None	2024-04-03 06:43:36 UTC
Red Hat Product Errata	RHBA-2024:1661	0	None	None	None	2024-04-03 10:23:34 UTC
Red Hat Product Errata	RHBA-2024:1929	0	None	None	None	2024-04-18 20:25:57 UTC
Red Hat Product Errata	RHBA-2024:4506	0	None	None	None	2024-07-11 13:25:18 UTC
Red Hat Product Errata	RHBA-2024:4688	0	None	None	None	2024-07-22 06:18:45 UTC
Red Hat Product Errata	RHBA-2024:4692	0	None	None	None	2024-07-22 07:00:49 UTC
Red Hat Product Errata	RHBA-2024:5335	0	None	None	None	2024-08-13 17:32:41 UTC
Red Hat Product Errata	RHSA-2024:0045	0	None	None	None	2024-06-27 13:01:00 UTC
Red Hat Product Errata	RHSA-2024:1472	0	None	None	None	2024-03-21 15:40:04 UTC
Red Hat Product Errata	RHSA-2024:1561	0	None	None	None	2024-04-02 21:54:23 UTC
Red Hat Product Errata	RHSA-2024:1563	0	None	None	None	2024-04-02 21:38:09 UTC
Red Hat Product Errata	RHSA-2024:1566	0	None	None	None	2024-04-03 16:19:27 UTC

Red Hat Product Errata	RHSA-2024:1567	0	None	None	None	2024-04-03 16:00:27 UTC
Red Hat Product Errata	RHSA-2024:1574	0	None	None	None	2024-04-03 07:36:38 UTC
Red Hat Product Errata	RHSA-2024:1640	0	None	None	None	2024-04-02 19:30:42 UTC
Red Hat Product Errata	RHSA-2024:1644	0	None	None	None	2024-04-02 20:50:11 UTC
Red Hat Product Errata	RHSA-2024:1646	0	None	None	None	2024-04-02 20:50:25 UTC
Red Hat Product Errata	RHSA-2024:1763	0	None	None	None	2024-04-18 18:22:40 UTC
Red Hat Product Errata	RHSA-2024:1897	0	None	None	None	2024-04-26 20:11:20 UTC
Red Hat Product Errata	RHSA-2024:2562	0	None	None	None	2024-04-30 14:39:38 UTC
Red Hat Product Errata	RHSA-2024:2568	0	None	None	None	2024-04-30 14:40:41 UTC
Red Hat Product Errata	RHSA-2024:2569	0	None	None	None	2024-04-30 14:41:34 UTC
Red Hat Product Errata	RHSA-2024:2729	0	None	None	None	2024-05-22 20:38:35 UTC
Red Hat Product Errata	RHSA-2024:2730	0	None	None	None	2024-05-22 20:41:55 UTC
Red Hat Product Errata	RHSA-2024:2767	0	None	None	None	2024-05-22 20:11:58 UTC
Red Hat	RHSA-2024:3265	0	None	None	None	2024-05-22

Product Errata						11:40:43 UTC
Red Hat Product Errata	RHSA-2024:4146	0	None	None	None	2024-06-27 00:20:21 UTC
Red Hat Product Errata	RHSA-2024:4371	0	None	None	None	2024-07-08 13:17:45 UTC
Red Hat Product Errata	RHSA-2024:4378	0	None	None	None	2024-07-08 14:31:08 UTC
Red Hat Product Errata	RHSA-2024:4379	0	None	None	None	2024-07-08 14:42:31 UTC
Red Hat Product Errata	RHSA-2024:4502	0	None	None	None	2024-07-15 13:27:32 UTC
Red Hat Product Errata	RHSA-2024:4581	0	None	None	None	2024-07-16 18:40:48 UTC
Red Hat Product Errata	RHSA-2024:4591	0	None	None	None	2024-07-17 13:13:18 UTC
Red Hat Product Errata	RHSA-2024:4672	0	None	None	None	2024-07-22 01:10:23 UTC
Red Hat Product Errata	RHSA-2024:4699	0	None	None	None	2024-07-25 14:16:24 UTC
Red Hat Product Errata	RHSA-2024:4761	0	None	None	None	2024-07-23 16:23:10 UTC
Red Hat Product Errata	RHSA-2024:4762	0	None	None	None	2024-07-23 16:23:19 UTC
Red Hat Product Errata	RHSA-2024:4960	0	None	None	None	2024-08-07 10:51:59 UTC
Red Hat Product Errata	RHSA-2024:5258	0	None	None	None	2024-08-13 00:37:47 UTC

Red Hat Product Errata	RHSA-2024:5634	0	None	None	None	2024-08-20 16:07:35 UTC
Red Hat Product Errata	RHSA-2024:7262	0	None	None	None	2024-09-26 18:33:14 UTC
Red Hat Product Errata	RHSA-2025:7118	0	None	None	None	2025-05-13 10:03:13 UTC

Avinash Hanwate 2024-02-06 06:06:25 UTC

[Description](#)

A memory leak flaw was found in the RSA encrypting/decrypting code which might lead to a resource exhaustion vulnerability, as it is theoretically exploitable using attacker-controlled inputs. The memory leak happens in `github.com/golang-fips/openssl/openssl/rsa.go#L113`. The objects leaked are `pkey` and `ctx`. That function uses named return parameters to free `pkey` and `ctx` if there is an error initializing the context or setting the different properties. Unfortunately, notice that all the return statements related to error cases follow the `"return nil, nil, fail(...)"` pattern, which means that `pkey` and `ctx` will be `nil` inside the deferred function that should free them.

Tom Sweeney 2024-02-13 19:18:29 UTC

[Comment 3](#)

Any thoughts on a fixed in version yet? It would be helpful, for the moment, to know the module that's affected.

Anten Skrabec 2024-03-20 21:39:58 UTC

[Comment 12](#)

populated fixed in field

Tom Sweeney 2024-03-21 00:53:46 UTC

[Comment 13](#)

Thanks for the update.

errata-xmlrpc 2024-03-21 15:39:57 UTC

[Comment 16](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 8

Via RHSA-2024:1472 <https://access.redhat.com/errata/RHSA-2024:1472>

errata-xmlrpc 2024-04-02 19:30:35 UTC

[Comment 19](#)

This issue has been addressed in the following products:

Red Hat Ansible Automation Platform 2.4 for RHEL 9
Red Hat Ansible Automation Platform 2.4 for RHEL 8

Via RHSA-2024:1640 <https://access.redhat.com/errata/RHSA-2024:1640>

errata-xmlrpc 2024-04-02 20:50:05 UTC

[Comment 20](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 8

Via RHSA-2024:1644 <https://access.redhat.com/errata/RHSA-2024:1644>

errata-xmlrpc 2024-04-02 20:50:20 UTC

[Comment 21](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 8

Via RHSA-2024:1646 <https://access.redhat.com/errata/RHSA-2024:1646>

errata-xmlrpc 2024-04-02 21:38:01 UTC

[Comment 22](#)

This issue has been addressed in the following products:

Red Hat OpenShift Container Platform 4.15

Via RHSA-2024:1563 <https://access.redhat.com/errata/RHSA-2024:1563>

errata-xmllrpc 2024-04-02 21:54:18 UTC

[Comment 23](#)

This issue has been addressed in the following products:

Red Hat OpenShift Container Platform 4.15

Via RHSA-2024:1561 <https://access.redhat.com/errata/RHSA-2024:1561>

errata-xmllrpc 2024-04-03 07:36:31 UTC

[Comment 24](#)

This issue has been addressed in the following products:

Red Hat OpenShift Container Platform 4.12

Via RHSA-2024:1574 <https://access.redhat.com/errata/RHSA-2024:1574>

errata-xmllrpc 2024-04-03 16:00:19 UTC

[Comment 25](#)

This issue has been addressed in the following products:

Red Hat OpenShift Container Platform 4.14

Via RHSA-2024:1567 <https://access.redhat.com/errata/RHSA-2024:1567>

errata-xmllrpc 2024-04-03 16:19:19 UTC

[Comment 26](#)

This issue has been addressed in the following products:

Red Hat OpenShift Container Platform 4.14

Via RHSA-2024:1566 <https://access.redhat.com/errata/RHSA-2024:1566>

errata-xmllrpc 2024-04-18 18:22:33 UTC

[Comment 27](#)

This issue has been addressed in the following products:

Red Hat OpenShift Container Platform 4.13

Via RHSA-2024:1763 <https://access.redhat.com/errata/RHSA-2024:1763>

[2024:1763](#)

errata-xmlrpc 2024-04-26 20:11:14 UTC

[Comment 28](#)

This issue has been addressed in the following products:

Red Hat OpenShift Container Platform 4.14

Via RHSA-2024:1897 <https://access.redhat.com/errata/RHSA-2024:1897>

errata-xmlrpc 2024-04-30 14:39:32 UTC

[Comment 29](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 9

Via RHSA-2024:2562 <https://access.redhat.com/errata/RHSA-2024:2562>

errata-xmlrpc 2024-04-30 14:40:35 UTC

[Comment 30](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 9

Via RHSA-2024:2568 <https://access.redhat.com/errata/RHSA-2024:2568>

errata-xmlrpc 2024-04-30 14:41:27 UTC

[Comment 31](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 9

Via RHSA-2024:2569 <https://access.redhat.com/errata/RHSA-2024:2569>

errata-xmlrpc 2024-05-22 11:40:34 UTC

[Comment 33](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 8

Via RHSA-2024:3265 <https://access.redhat.com/errata/RHSA-2024:3265>

errata-xmlrpc 2024-05-22 20:11:48 UTC

[Comment 34](#)

This issue has been addressed in the following products:

Red Hat OpenStack Platform 17.1 for RHEL 8

Via RHSA-2024:2767 <https://access.redhat.com/errata/RHSA-2024:2767>

errata-xmlrpc 2024-05-22 20:38:26 UTC

[Comment 35](#)

This issue has been addressed in the following products:

Red Hat OpenStack Platform 17.1 for RHEL 9

Via RHSA-2024:2729 <https://access.redhat.com/errata/RHSA-2024:2729>

errata-xmlrpc 2024-05-22 20:41:45 UTC

[Comment 36](#)

This issue has been addressed in the following products:

Red Hat OpenStack Platform 17.1 for RHEL 9

Via RHSA-2024:2730 <https://access.redhat.com/errata/RHSA-2024:2730>

Anten Skrabec 2024-06-11 20:05:38 UTC

[Comment 39](#)

filed rhel-9 z-stream trackers per
<https://issues.redhat.com/browse/RHEL-24310?focusedId=24906983&page=com.atlassian.jira.plugin.system.issue-tabpanels:comment-tabpanel#comment-24906983>

Anten Skrabec 2024-06-11 21:28:00 UTC

[Comment 40](#)

wrong component, refiling for rhel-9 containernetworking-plugins

errata-xmlrpc 2024-06-27 00:20:12 UTC

[Comment 45](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 9.2 Extended Update Support

Via RHSA-2024:4146 <https://access.redhat.com/errata/RHSA-2024:4146>

errata-xmlrpc 2024-06-27 13:00:52 UTC

[Comment 46](#)

This issue has been addressed in the following products:

Red Hat OpenShift Container Platform 4.16

Via RHSA-2024:0045 <https://access.redhat.com/errata/RHSA-2024:0045>

errata-xmlrpc 2024-07-08 13:17:36 UTC

[Comment 48](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 9

Via RHSA-2024:4371 <https://access.redhat.com/errata/RHSA-2024:4371>

errata-xmlrpc 2024-07-08 14:30:59 UTC

[Comment 49](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 9

Via RHSA-2024:4378 <https://access.redhat.com/errata/RHSA-2024:4378>

errata-xmlrpc 2024-07-08 14:42:24 UTC

[Comment 50](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 9

Via RHSA-2024:4379 <https://access.redhat.com/errata/RHSA-2024:4379>

errata-xmlrpc 2024-07-15 13:27:24 UTC

[Comment 52](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 9

Via RHSA-2024:4502 <https://access.redhat.com/errata/RHSA-2024:4502>

errata-xmlrpc 2024-07-16 18:40:41 UTC

[Comment 53](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 9.0 Update Services for SAP Solutions

Via RHSA-2024:4581 <https://access.redhat.com/errata/RHSA-2024:4581>

errata-xmlrpc 2024-07-17 13:13:09 UTC

[Comment 54](#)

This issue has been addressed in the following products:

RHODF-4.16-RHEL-9

Via RHSA-2024:4591 <https://access.redhat.com/errata/RHSA-2024:4591>

errata-xmlrpc 2024-07-22 01:10:14 UTC

[Comment 55](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 9.0 Update Services for SAP Solutions

Via RHSA-2024:4672 <https://access.redhat.com/errata/RHSA-2024:4672>

errata-xmlrpc 2024-07-23 16:23:02 UTC

[Comment 57](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 9

Via RHSA-2024:4761 <https://access.redhat.com/errata/RHSA-2024:4761>

errata-xmlrpc 2024-07-23 16:23:09 UTC

[Comment 58](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 9

Via RHSA-2024:4762 <https://access.redhat.com/errata/RHSA-2024:4762>

errata-xmlrpc 2024-07-25 14:16:15 UTC

[Comment 59](#)

This issue has been addressed in the following products:

Red Hat OpenShift Container Platform 4.15

Via RHSA-2024:4699 <https://access.redhat.com/errata/RHSA-2024:4699>

errata-xmlrpc 2024-08-07 10:51:52 UTC

[Comment 60](#)

This issue has been addressed in the following products:

Red Hat OpenShift Container Platform 4.14

Via RHSA-2024:4960 <https://access.redhat.com/errata/RHSA-2024:4960>

errata-xmlrpc 2024-08-13 00:37:38 UTC

[Comment 61](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 8

Via RHSA-2024:5258 <https://access.redhat.com/errata/RHSA-2024:5258>

[2024:5258](#)

errata-xmlrpc 2024-08-20 16:07:27 UTC

[Comment 62](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 9.2 Extended Update Support

Via RHSA-2024:5634 <https://access.redhat.com/errata/RHSA-2024:5634>

errata-xmlrpc 2024-09-26 18:33:05 UTC

[Comment 63](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 8

Via RHSA-2024:7262 <https://access.redhat.com/errata/RHSA-2024:7262>

errata-xmlrpc 2025-05-13 10:03:03 UTC

[Comment 73](#)

This issue has been addressed in the following products:

Red Hat Enterprise Linux 9

Via RHSA-2025:7118 <https://access.redhat.com/errata/RHSA-2025:7118>

Note

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