



Bug 2437308 (CVE-2026-2100) - CVE-2026-2100 p11-kit: NULL dereference via C_DeriveKey with specific NULL parameters

Keywords: Security ✕

Reported: 2026-02-06 12:06 UTC by OSIDB Bzimport

Status: NEW

Modified: 2026-04-23 17:54 UTC ([History](#))

Alias: CVE-2026-2100

CC List: 5 users ([show](#))

Product: Security Response

Fixed In Version:

Component: vulnerability ☰ +

Clone Of:

Environment:

Version: unspecified

Last Closed:

Embargoed:

Hardware: All

OS: Linux

Priority: medium

Severity: medium

Target Milestone: ---

Assignee: Product Security DevOps Team

QA Contact:

Docs Contact:

URL:

Whiteboard:

Depends On: [2437309](#) [2437310](#)

Blocks:

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

Attachments ([Terms of Use](#))

OSIDB Bzimport 2026-02-06 12:06:01 UTC

[Description](#)

Summary: potential NULL dereference in p11-kit when calling C_DeriveKey remotely with specific parameters.

Requirements to exploit: if an attacker calls C_DeriveKey on a remote token with either mechanism IBM kyber or IBM btc derive, with specific mechanism parameter values set to NULL. The RPC-client might attempt to return an uninitialized value potentially resulting in a NULL dereference or undefined behavior.

A slight overhaul of p11_rpc_buffer_get_ibm_kyber_mech_param_update and

p11_rpc_buffer_get_ibm_btc_derive_mech_param_update functions where variable data could potentially be used uninitialized.

Report from static analysis:

1. Defect type: UNINIT

1. p11-kit-0.26.1/p11-kit/rpc-message.c:1706:2: var_decl:

Declaring variable "data" without initializer.

11. p11-kit-0.26.1/p11-kit/rpc-message.c:1732:5:

uninit_use_in_call: Using uninitialized value "data" when calling "memcpy". [Note: The source code implementation of the function has been overridden by a builtin model.]

```
# 1730|
# 1731|             if (params->pCipher && params-
>ulCipherLen == len) {
# 1732|->                 memcpy(params-
>pCipher, data, len);
# 1733|                 params->ulCipherLen =
len;
# 1734|             } else {
```

2. Defect type: UNINIT

1. p11-kit-0.26.1/p11-kit/rpc-message.c:1706:2: var_decl:

Declaring variable "data" without initializer.

11. p11-kit-0.26.1/p11-kit/rpc-message.c:1735:5: uninit_use:

Using uninitialized value "data".

```
# 1733|                 params->ulCipherLen =
len;
# 1734|             } else {
# 1735|->                 params->pCipher =
(void *) data;
# 1736|                 params->ulCipherLen =
len;
# 1737|             }
```

3. Defect type: UNINIT

1. p11-kit-0.26.1/p11-kit/rpc-message.c:1776:2: var_decl:

Declaring variable "data" without initializer.

9. p11-kit-0.26.1/p11-kit/rpc-message.c:1797:4:

uninit_use_in_call: Using uninitialized value "data" when calling "memcpy". [Note: The source code implementation of the function has been overridden by a builtin model.]

```
# 1795|
# 1796|             if (params->pChainCode && params-
>ulChainCodeLen == len) {
# 1797|->                 memcpy(params->pChainCode,
data, len);
# 1798|                 params->ulChainCodeLen = len;
# 1799|             } else {
```

4. Defect type: UNINIT

1. p11-kit-0.26.1/p11-kit/rpc-message.c:1776:2: var_decl:

Declaring variable "data" without initializer.

9. p11-kit-0.26.1/p11-kit/rpc-message.c:1800:4: uninit_use:

Using uninitialized value "data".

```
# 1798|                 params->ulChainCodeLen = len;
# 1799|             } else {
# 1800|->                 params->pChainCode = (void *)
data;
# 1801|                 params->ulChainCodeLen = len;
# 1802|             }
```

Note

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