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Fix issues found by static analysis #740

Merged[ZoltanFridrich](#) merged 1 commit into [p11-glue:master](#) from[ZoltanFridrich:zfridric_devel](#) on Jan 27[Conversation](#) 3 [Commits](#) 1 [Checks](#) 14 [Files changed](#) 1[ZoltanFridrich](#) commented [on Jan 26](#)Contributor

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: uninitialized_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: uninitialized_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|         }
```



ZoltanFridrich self-assigned this [on Jan 26](#)



ZoltanFridrich requested a review from **ueno** [3 months ago](#)



ueno approved these changes [on Jan 27](#)

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ueno left a comment

Member

LGTM

> p11-kit/rpc-message.c

Show resolved

✓ ifranzki approved these changes on Jan 27

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ifranzki left a comment

Contributor

lgtn

🔗 [Fix issues found by static analysis](#) ... ✗ [1ef4e45](#)

📄 **ZoltanFridrich** force-pushed the `zfridric_devel` branch from `bd95394` to `1ef4e45` Compare
[3 months ago](#)

🔗 **ZoltanFridrich** merged commit `39f3b5e` into `p11-glue:master` on Jan 27 View details
13 of 14 checks passed

🏷️ **ZoltanFridrich** added the bug label on Feb 6

📄 **sighook** added a commit to `zeppe-lin/pkgsrc-system` that referenced this pull request on Feb 7

[\[notify\] p11-kit: 0.26.1 -> 0.26.2 \(security\)](#) ... ✓ [1f1dc73](#)

📄 **mweinelt** mentioned this pull request [3 weeks ago](#)
[p11-kit: 0.26.1 -> 0.26.2 NixOS/nixpkgs#495103](#)

🔗 Merged

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Reviewers

ueno ✓

+1 more reviewer ^

ifranzki ✓

Assignees

 ZoltanFridrich

Labels



Projects

None yet

Milestone

No milestone

Development

Successfully merging this pull request may close these issues.

None yet

3 participants

