# Oqsprovider SonarQube Static Scan result

| Issue # | Problem | Code Snippet | Comment |
|---|---|---|---|
| | | **Bugs** | |
| 1 | oqsprov/oqs_kmgmt.c (Major) | ```
378
379        if ( 6 key->comp_pubkey[1] != NULL) {

    🐞 Array access (via field 'comp_pubkey') results in a null pointer dereference

380            pq_pubkey = key->comp_pubkey[1];
381            pq_pubkey_len = key->pubkeylen - classical_pubkey_len - SIZE_OF_UINT32;
382        }
``` | Pointer is used without NULL validation |
| 2 | oqsprov/oqsprov.c (Minor) | ```
1165          * At least one core version hangs up; so don't do this there:
1166          */
1167        if ( 27 strcmp("3.1.0", ossl_versionp)) {

    🐞 Null pointer passed to 2nd parameter expecting 'nonnull'

1168  6479…            ERR_set_mark();
``` | There is a path available which can keep ossl_cersionp to NULL, yet this is used in strcmp without validation. |
| 3 | oqsprov/oqsprov_keys.c (Minor) | ```
232      21 for (i = 0; i < NID_TABLE_LEN; i++) {
233          23 if ( 22 nid_names[i].keytype == KEY_TYPE_SIG) {
234  5778…            if (! 24 strcmp(nid_names[i].oqsname, tlsname) ||

    🐞 Null pointer passed to 2nd parameter expecting 'nonnull'
``` | tlsname can be NULL |
| 4 | test/oqs_test_evp_pkey_params.c (Major) | ```
538
539        for (; 12 algs->algorithm_names != NULL; ++algs) {

    🐞 Access to field 'algorithm_names' results in a dereference of a null pointer (loaded from variable 'algs')
``` | Algs->algorithm_names can be NULL |

| 5 | test/oqs_test_groups.c (Minor) | ```24    size_t len =  15  strlen(dir) + strlen(sep) + strlen(file) + 1;```<br><br>🐞 **Null pointer passed to 1st parameter expecting 'nonnull'**<br><br>```25    char *full_file =  7  OPENSSL_zalloc(len);``` | Dir can be NULL |
|---|---|---|---|
| 6 | test/oqs_test_signatures.c (Major) | ```52 basi…    sig[0] = ~ 7  sig[0];```<br><br>🐞 **Array access (from variable 'sig') results in an undefined pointer dereference** | Code flow suggests sig[0] can be undefined in some case and it is being accessed. |
| 7 | test/test_common.c (Blocker) | ```27 8251…  3  while ((comma = strchr(alglist, ','))) {```<br>```28 info…      memcpy(totest, alglist,  4   5  MIN(200, comma − alglist));```<br>```29          totest[comma − alglist]  6  = '\0';```<br><br>🐞 **Out of bound memory access (access exceeds upper limit of memory block)**<br><br>🐞 Out of bound memory access (index is tainted) | Totest is accessed beyond its storage indices. |
| 8 | test/test_common.c (Blocker) | ```27 8251…  4  while ((comma = strchr(alglist, ','))) {```<br>```28 info…      memcpy(totest, alglist,  5   6  MIN(200, comma − alglist));```<br>```29          totest[comma − alglist]  7  = '\0';```<br><br>🐞 Out of bound memory access (access exceeds upper limit of memory block)<br><br>🐞 **Out of bound memory access (index is tainted)** | Totest is accessed beyond its storage indices. |
| | **Command Injection** | | |

| 9 | oqs-template/generate.py | ```python
136  def run_subprocess(command, outfilename=None, working_dir='.', expected_returncode=0, input=None,
     ignore_returncode=False):
137      result = subprocess.run(
``` Make sure that executing this OS command is safe here. ```python
138          command,
139          input=input,
140          stdout=(open(outfilename, "w") if outfilename!=None else subprocess.PIPE),
``` | Could be a problem if command could be arbitrary |
|---|---|---|---|
| 10 | scripts/common.py | ```python
52      # buffer appropriately
53      print(working_dir + " > " + " ".join(command))
54      result = subprocess.run(
``` Make sure that executing this OS command is safe here. ```python
55          command,
56          input=input,
57          stdout=subprocess.PIPE,
58          stderr=subprocess.STDOUT,
59          cwd=working_dir
``` | Could be a problem if command could be arbitrary |
| 11 | scripts/common.py | ```python
80                      '-accept', '0']
81
82      print(" > " + " ".join(command))
83      server = subprocess.Popen(command, stdout=subprocess.PIPE, stderr=subprocess.STDOUT)
``` Make sure that executing this OS command is safe here. | Could be a problem if command could be arbitrary |
| 12 | scripts/common.py | ```python
100     server_start_attempt = 1
101     while server_start_attempt <= SERVER_START_ATTEMPTS:
102         result = subprocess.run([ossl, 's_client', '-connect', 'localhost:{}'.format(server_port)],
``` Make sure that executing this OS command is safe here. | Could be a problem if ossl could be arbitrary |
| **Cross Site Scripting** | | | |
| 13 | oqs-template/generate.py | ```python
145     if not(ignore_returncode) and (result.returncode != expected_returncode):
146         if outfilename == None:
147             print(result.stdout.decode('utf-8'))
148         assert False, "Got unexpected return code {}".format(result.returncode)
149
150     # For list.append in Jinja templates
151     Jinja2 = jinja2.Environment(loader=jinja2.FileSystemLoader(searchpath="."),extensions=['jinja2.ext.do'])
``` Make sure disabling auto-escaping feature is safe here. | Auto-escape must not be enabled by default. One can use sth like below: |

| | | | env = Environment(autoescape=select_autoescape(['html', 'htm', 'xml']),<br><br>loader=PackageLoader('mypackage')) |
|---|---|---|---|
| | | | |
| | **Code Smell (Not a bug but improvement will help) – in severity order** | | |
| 14 | various |  | |

oqsprov/oqs_encode_key2any.c

Remove any side effects from right hand operands of logical || operator.  1 month ago  L91
Code Smell  Blocker  Open  Not assigned  15min effort  Comment  based-on-misra, cert

Remove any side effects from right hand operands of logical || operator.  1 month ago  L160
Code Smell  Blocker  Open  Not assigned  15min effort  Comment  based-on-misra, cert

Remove any side effects from right hand operands of logical && operator.  1 month ago  L1296
Code Smell  Blocker  Open  Not assigned  15min effort  Comment  based-on-misra, cert

oqsprov/oqs_sig.c

Remove any side effects from right hand operands of logical && operator.  3 years ago  L137
Code Smell  Blocker  Open  Not assigned  15min effort  Comment  based-on-misra, cert

oqsprov/oqsprov.c

Remove any side effects from right hand operands of logical || operator.  1 month ago  L1203
Code Smell  Blocker  Open  Not assigned  15min effort  Comment  based-on-misra, cert

Remove any side effects from right hand operands of logical || operator.  1 month ago  L1204
Code Smell  Blocker  Open  Not assigned  15min effort  Comment  based-on-misra, cert

📄 test/oqs_test_kems.c

**Remove any side effects from right hand operands of logical && operator.**
1 month ago ▾ L45 🔗 ▼▾
⊗ Code Smell ▾ ❗ Blocker ▾ ◯ Open ▾ Not assigned ▾ 15min effort  Comment
🏷 based-on-misra, cert ▾

**Remove any side effects from right hand operands of logical && operator.**
1 month ago ▾ L46 🔗 ▼▾
⊗ Code Smell ▾ ❗ Blocker ▾ ◯ Open ▾ Not assigned ▾ 15min effort  Comment
🏷 based-on-misra, cert ▾

**Remove any side effects from right hand operands of logical && operator.**
1 month ago ▾ L48 🔗 ▼▾
⊗ Code Smell ▾ ❗ Blocker ▾ ◯ Open ▾ Not assigned ▾ 15min effort  Comment
🏷 based-on-misra, cert ▾

📄 test/oqs_test_signatures.c

**Remove any side effects from right hand operands of logical && operator.**
1 month ago ▾ L40 🔗 ▼▾
⊗ Code Smell ▾ ❗ Blocker ▾ ◯ Open ▾ Not assigned ▾ 15min effort  Comment
🏷 based-on-misra, cert ▾

**Remove any side effects from right hand operands of logical && operator.**
1 month ago ▾ L45 🔗 ▼▾
⊗ Code Smell ▾ ❗ Blocker ▾ ◯ Open ▾ Not assigned ▾ 15min effort  Comment
🏷 based-on-misra, cert ▾

**Remove any side effects from right hand operands of logical && operator.**
1 month ago ▾ L69 🔗 ▼▾
⊗ Code Smell ▾ ❗ Blocker ▾ ◯ Open ▾ Not assigned ▾ 15min effort  Comment
🏷 based-on-misra, cert ▾

**Remove any side effects from right hand operands of logical && operator.**
1 month ago ▾ L73 🔗 ▼▾
⊗ Code Smell ▾ ❗ Blocker ▾ ◯ Open ▾ Not assigned ▾ 15min effort  Comment
🏷 based-on-misra, cert ▾

📄 test/tlstest_helpers.c

**Remove any side effects from right hand operands of logical || operator.**
1 month ago ▾ L22 🔗 ▼▾
⊗ Code Smell ▾ ❗ Blocker ▾ ◯ Open ▾ Not assigned ▾ 15min effort  Comment
🏷 based-on-misra, cert ▾

**Remove any side effects from right hand operands of logical || operator.**
1 month ago ▾ L30 🔗 ▼▾
⊗ Code Smell ▾ ❗ Blocker ▾ ◯ Open ▾ Not assigned ▾ 15min effort  Comment
🏷 based-on-misra, cert ▾

**Remove any side effects from right hand operands of logical || operator.**
1 month ago ▾ L32 🔗 ▼▾
⊗ Code Smell ▾ ❗ Blocker ▾ ◯ Open ▾ Not assigned ▾ 15min effort  Comment
🏷 based-on-misra, cert ▾

oqs-template/generate.py

Refactor this function to reduce its Cognitive Complexity from 18 to the 15 allowed.   6 months ago ▾ L33 🔗 🔻▾
⊗ Code Smell ▾ 🔴 Critical ▾ ◯ Open ▾ Not assigned ▾ 8min effort   Comment    🏷 brain-overload ▾

Refactor this function to reduce its Cognitive Complexity from 19 to the 15 allowed.   11 months ago ▾ L100 🔗 🔻▾
⊗ Code Smell ▾ 🔴 Critical ▾ ◯ Open ▾ Not assigned ▾ 9min effort   Comment    🏷 brain-overload ▾

Refactor this function to reduce its Cognitive Complexity from 40 to the 15 allowed.   11 months ago ▾ L183 🔗 🔻▾
⊗ Code Smell ▾ 🔴 Critical ▾ ◯ Open ▾ Not assigned ▾ 30min effort   Comment    🏷 brain-overload ▾

oqs-template/generate_oid_nid_table.py

Refactor this function to reduce its Cognitive Complexity from 39 to the 15 allowed.   1 year ago ▾ L13 🔗 🔻▾
⊗ Code Smell ▾ 🔴 Critical ▾ ◯ Open ▾ Not assigned ▾ 29min effort   Comment    🏷 brain-overload ▾

Refactor this function to reduce its Cognitive Complexity from 50 to the 15 allowed.   1 year ago ▾ L75 🔗 🔻▾
⊗ Code Smell ▾ 🔴 Critical ▾ ◯ Open ▾ Not assigned ▾ 40min effort   Comment    🏷 brain-overload ▾

oqs-template/generatehelpers.py

Refactor this function to reduce its Cognitive Complexity from 19 to the 15 allowed.   6 months ago ▾ L22 🔗 🔻▾
⊗ Code Smell ▾ 🔴 Critical ▾ ◯ Open ▾ Not assigned ▾ 9min effort   Comment    🏷 brain-overload ▾

Define a constant instead of duplicating this literal '{:s}.yml' 3 times.   1 year ago ▾ L30 🔗 🔻▾
⊗ Code Smell ▾ 🔴 Critical ▾ ◯ Open ▾ Not assigned ▾ 6min effort   Comment    🏷 design ▾

Specify an exception class to catch or reraise the exception   1 year ago ▾ L32 🔗 🔻▾
⊗ Code Smell ▾ 🔴 Critical ▾ ◯ Open ▾ Not assigned ▾ 5min effort   Comment    🏷 bad-practice, error-handling, suspicious ▾

Refactor this function to reduce its Cognitive Complexity from 25 to the 15 allowed.   1 year ago ▾ L95 🔗 🔻▾
⊗ Code Smell ▾ 🔴 Critical ▾ ◯ Open ▾ Not assigned ▾ 15min effort   Comment    🏷 brain-overload ▾

oqsprov/oqs_decode_der2key.c

Refactor this function to reduce its Cognitive Complexity from 38 to the 25 allowed.   1 month ago ▾ L281 🔗 🔻▾
⊗ Code Smell ▾ 🔴 Critical ▾ ◯ Open ▾ Not assigned ▾ 18min effort   Comment    🏷 brain-overload ▾

cast from 'const char *' to 'char *' drops const qualifier   1 year ago ▾ L382 🔗 🔻▾
⊗ Code Smell ▾ 🔴 Critical ▾ ◯ Open ▾ Not assigned ▾ 20min effort   Comment    🏷 cert, cppcoreguidelines, misra-c++200... ▾

cast from 'const void *' to 'void **' drops const qualifier   2 years ago ▾ L410 🔗 🔻▾
⊗ Code Smell ▾ 🔴 Critical ▾ ◯ Open ▾ Not assigned ▾ 20min effort   Comment    🏷 cert, cppcoreguidelines, misra-c++200... ▾

oqsprov/oqs_encode_key2any.c

cast from 'const void *' to 'struct oqsx_key_st *' drops const qualifier   2 years ago ▾ L311 🔗 🔻▾
⊗ Code Smell ▾ 🔴 Critical ▾ ◯ Open ▾ Not assigned ▾ 20min effort   Comment    🏷 cert, cppcoreguidelines, misra-c++200... ▾

cast from 'const void *' to 'struct oqsx_key_st *' drops const qualifier   2 years ago ▾ L456 🔗 🔻▾
⊗ Code Smell ▾ 🔴 Critical ▾ ◯ Open ▾ Not assigned ▾ 20min effort   Comment    🏷 cert, cppcoreguidelines, misra-c++200... ▾

Refactor this code to not nest more than 3 if|for|do|while|switch statements.   6 months ago ▾ L538 🔗 🔻▾
⊗ Code Smell ▾ 🔴 Critical ▾ ◯ Open ▾ Not assigned ▾ 10min effort   Comment    🏷 brain-overload ▾

Refactor this function to reduce its Cognitive Complexity from 110 to the 25 allowed.   1 month ago ▾ L576 🔗 🔻▾
⊗ Code Smell ▾ 🔴 Critical ▾ ◯ Open ▾ Not assigned ▾ 1h30min effort   Comment    🏷 brain-overload ▾

cast from 'const void *' to 'struct oqsx_key_st *' drops const qualifier   1 year ago ▾ L577 🔗 🔻▾
⊗ Code Smell ▾ 🔴 Critical ▾ ◯ Open ▾ Not assigned ▾ 20min effort   Comment    🏷 cert, cppcoreguidelines, misra-c++200... ▾

Refactor this code to not nest more than 3 if|for|do|while|switch statements.
Code Smell ▾ ⊘ Critical ▾ ○ Open ▾ Not assigned ▾ 10min effort  Comment
1 month ago ▾ L680 % ▼▾
🏷 brain-overload ▾

Refactor this code to not nest more than 3 if|for|do|while|switch statements.
Code Smell ▾ ⊘ Critical ▾ ○ Open ▾ Not assigned ▾ 10min effort  Comment
1 month ago ▾ L689 % ▼▾
🏷 brain-overload ▾

Refactor this code to not nest more than 3 if|for|do|while|switch statements.
Code Smell ▾ ⊘ Critical ▾ ○ Open ▾ Not assigned ▾ 10min effort  Comment
6 months ago ▾ L705 % ▼▾
🏷 brain-overload ▾

Refactor this code to not nest more than 3 if|for|do|while|switch statements.
Code Smell ▾ ⊘ Critical ▾ ○ Open ▾ Not assigned ▾ 10min effort  Comment
6 months ago ▾ L745 % ▼▾
🏷 brain-overload ▾

Refactor this code to not nest more than 3 if|for|do|while|switch statements.
Code Smell ▾ ⊘ Critical ▾ ○ Open ▾ Not assigned ▾ 10min effort  Comment
6 months ago ▾ L754 % ▼▾
🏷 brain-overload ▾

Refactor this code to not nest more than 3 if|for|do|while|switch statements.
Code Smell ▾ ⊘ Critical ▾ ○ Open ▾ Not assigned ▾ 10min effort  Comment
6 months ago ▾ L791 % ▼▾
🏷 brain-overload ▾

Refactor this code to not nest more than 3 if|for|do|while|switch statements.
Code Smell ▾ ⊘ Critical ▾ ○ Open ▾ Not assigned ▾ 10min effort  Comment
6 months ago ▾ L824 % ▼▾
🏷 brain-overload ▾

cast from 'const void *' to 'struct oqsx_key_st *' drops const qualifier
Code Smell ▾ ⊘ Critical ▾ ○ Open ▾ Not assigned ▾ 20min effort  Comment
2 years ago ▾ L1358 % ▼▾
🏷 cert, cppcoreguidelines, misra-c++200... ▾

Refactor this function to reduce its Cognitive Complexity from 135 to the 25 allowed.
Code Smell ▾ ⊘ Critical ▾ ○ Open ▾ Not assigned ▾ 1h55min effort  Comment
1 month ago ▾ L1602 % ▼▾
🏷 brain-overload ▾

cast from 'const void *' to 'struct oqsx_key_st *' drops const qualifier
Code Smell ▾ ⊘ Critical ▾ ○ Open ▾ Not assigned ▾ 20min effort  Comment
1 year ago ▾ L1603 % ▼▾
🏷 cert, cppcoreguidelines, misra-c++200... ▾

Refactor this code to not nest more than 3 if|for|do|while|switch statements.
Code Smell ▾ ⊘ Critical ▾ ○ Open ▾ Not assigned ▾ 10min effort  Comment
6 months ago ▾ L1674 % ▼▾
🏷 brain-overload ▾

Refactor this code to not nest more than 3 if|for|do|while|switch statements.
Code Smell ▾ ⊘ Critical ▾ ○ Open ▾ Not assigned ▾ 10min effort  Comment
6 months ago ▾ L1707 % ▼▾
🏷 brain-overload ▾

Refactor this code to not nest more than 3 if|for|do|while|switch statements.
Code Smell ▾ ⊘ Critical ▾ ○ Open ▾ Not assigned ▾ 10min effort  Comment
6 months ago ▾ L1750 % ▼▾
🏷 brain-overload ▾

Refactor this code to not nest more than 3 if|for|do|while|switch statements.
Code Smell ▾ ⊘ Critical ▾ ○ Open ▾ Not assigned ▾ 10min effort  Comment
6 months ago ▾ L1765 % ▼▾
🏷 brain-overload ▾

Add a nested comment explaining why this method is empty, or complete the implementation.
Code Smell ▾ ⊘ Critical ▾ ○ Open ▾ Not assigned ▾ 5min effort  Comment
1 month ago ▾ L1805 % ▼▾
🏷 suspicious ▾

📄 oqsprov/oqs_kmgmt.c

Refactor this function to reduce its Cognitive Complexity from 28 to the 25 allowed.
Code Smell ▾ ⊘ Critical ▾ ○ Open ▾ Not assigned ▾ 8min effort  Comment
1 month ago ▾ L126 % ▼▾
🏷 brain-overload ▾

Refactor this function to reduce its Cognitive Complexity from 30 to the 25 allowed.
Code Smell ▾ ⊘ Critical ▾ ○ Open ▾ Not assigned ▾ 10min effort  Comment
1 month ago ▾ L411 % ▼▾
🏷 brain-overload ▾

cast from 'const void *' to 'struct oqsx_key_st **' drops const qualifier
Code Smell ▾ ⊘ Critical ▾ ○ Open ▾ Not assigned ▾ 20min effort  Comment
3 years ago ▾ L624 % ▼▾
🏷 cert, cppcoreguidelines, misra-c++200... ▾

cast from 'const void *' to 'struct oqsx_key_st **' drops const qualifier
Code Smell ▾ ⊘ Critical ▾ ○ Open ▾ Not assigned ▾ 20min effort  Comment
3 years ago ▾ L626 % ▼▾
🏷 cert, cppcoreguidelines, misra-c++200... ▾

📄 oqsprov/oqs_sig.c

☐ **Refactor this function to reduce its Cognitive Complexity from 144 to the 25 allowed.**  1 month ago ▾  L325  🔗  ▼▾
⊗ Code Smell ▾  🔴 Critical ▾  ◯ Open ▾  Not assigned ▾  2h4min effort  Comment  🏷 brain-overload ▾

☐ **Refactor this code to not nest more than 3 if|for|do|while|switch statements.**  1 month ago ▾  L520  🔗  ▼▾
⊗ Code Smell ▾  🔴 Critical ▾  ◯ Open ▾  Not assigned ▾  10min effort  Comment  🏷 brain-overload ▾

☐ **Refactor this code to not nest more than 3 if|for|do|while|switch statements.**  6 months ago ▾  L540  🔗  ▼▾
⊗ Code Smell ▾  🔴 Critical ▾  ◯ Open ▾  Not assigned ▾  10min effort  Comment  🏷 brain-overload ▾

☐ **Refactor this function to reduce its Cognitive Complexity from 149 to the 25 allowed.**  1 month ago ▾  L688  🔗  ▼▾
⊗ Code Smell ▾  🔴 Critical ▾  ◯ Open ▾  Not assigned ▾  2h9min effort  Comment  🏷 brain-overload ▾

☐ **Refactor this code to not nest more than 3 if|for|do|while|switch statements.**  1 month ago ▾  L881  🔗  ▼▾
⊗ Code Smell ▾  🔴 Critical ▾  ◯ Open ▾  Not assigned ▾  10min effort  Comment  🏷 brain-overload ▾

☐ **Refactor this code to not nest more than 3 if|for|do|while|switch statements.**  6 months ago ▾  L897  🔗  ▼▾
⊗ Code Smell ▾  🔴 Critical ▾  ◯ Open ▾  Not assigned ▾  10min effort  Comment  🏷 brain-overload ▾

📄 oqsprov/oqsprov.c

☐ **Refactor this function to reduce its Cognitive Complexity from 56 to the 25 allowed.**  1 month ago ▾  L286  🔗  ▼▾
⊗ Code Smell ▾  🔴 Critical ▾  ◯ Open ▾  Not assigned ▾  36min effort  Comment  🏷 brain-overload ▾

☐ **cast from 'const char *' to 'char *' drops const qualifier**  6 months ago ▾  L997  🔗  ▼▾
⊗ Code Smell ▾  🔴 Critical ▾  ◯ Open ▾  Not assigned ▾  20min effort  Comment  🏷 cert, cppcoreguidelines, misra-c++200… ▾

☐ **cast from 'const char *' to 'char *' drops const qualifier**  1 year ago ▾  L1174  🔗  ▼▾
⊗ Code Smell ▾  🔴 Critical ▾  ◯ Open ▾  Not assigned ▾  20min effort  Comment  🏷 cert, cppcoreguidelines, misra-c++200… ▾

📄 oqsprov/oqsprov_bio.c

☐ **Refactor this function to reduce its Cognitive Complexity from 33 to the 25 allowed.**  1 month ago ▾  L21  🔗  ▼▾
⊗ Code Smell ▾  🔴 Critical ▾  ◯ Open ▾  Not assigned ▾  13min effort  Comment  🏷 brain-overload ▾

☐ **Remove use of ellipsis notation.**  1 month ago ▾  L132  🔗  ▼▾
⊗ Code Smell ▾  🔴 Critical ▾  ◯ Open ▾  Not assigned ▾  30min effort  Comment  🏷 cert, misra-c++2008, misra-c2004, pitfall ▾

📄 oqsprov/oqsprov_capabilities.c

☐ **Refactor this function to reduce its Cognitive Complexity from 109 to the 25 allowed.**  1 month ago ▾  L299  🔗  ▼▾
⊗ Code Smell ▾  🔴 Critical ▾  ◯ Open ▾  Not assigned ▾  1h29min effort  Comment  🏷 brain-overload ▾

📄 oqsprov/oqsprov_keys.c

| | | |
|---|---|---|
| **Refactor this function to reduce its Cognitive Complexity from 36 to the 25 allowed.** | 1 month ago ▾  L288 % ▼▾ | |
| ⊗ Code Smell ▾  ⊙ Critical ▾  ○ Open ▾  Not assigned ▾  16min effort  Comment | 🏷 brain-overload ▾ | |

| | | |
|---|---|---|
| **Refactor this code to not nest more than 3 if\|for\|do\|while\|switch statements.** | 6 months ago ▾  L303 % ▼▾ | |
| ⊗ Code Smell ▾  ⊙ Critical ▾  ○ Open ▾  Not assigned ▾  10min effort  Comment | 🏷 brain-overload ▾ | |

| | | |
|---|---|---|
| **Refactor this code to not nest more than 3 if\|for\|do\|while\|switch statements.** | 6 months ago ▾  L309 % ▼▾ | |
| ⊗ Code Smell ▾  ⊙ Critical ▾  ○ Open ▾  Not assigned ▾  10min effort  Comment | 🏷 brain-overload ▾ | |

| | | |
|---|---|---|
| **Refactor this code to not nest more than 3 if\|for\|do\|while\|switch statements.** | 4 months ago ▾  L323 % ▼▾ | |
| ⊗ Code Smell ▾  ⊙ Critical ▾  ○ Open ▾  Not assigned ▾  10min effort  Comment | 🏷 brain-overload ▾ | |

| | | |
|---|---|---|
| **Refactor this code to not nest more than 3 if\|for\|do\|while\|switch statements.** | 4 months ago ▾  L336 % ▼▾ | |
| ⊗ Code Smell ▾  ⊙ Critical ▾  ○ Open ▾  Not assigned ▾  10min effort  Comment | 🏷 brain-overload ▾ | |

| | | |
|---|---|---|
| **cast from 'const char *' to 'char *' drops const qualifier** | 2 years ago ▾  L378 % ▼▾ | |
| ⊗ Code Smell ▾  ⊙ Critical ▾  ○ Open ▾  Not assigned ▾  20min effort  Comment | 🏷 cert, cppcoreguidelines, misra-c++200… ▾ | |

| | | |
|---|---|---|
| **Refactor this function to reduce its Cognitive Complexity from 133 to the 25 allowed.** | 1 month ago ▾  L579 % ▼▾ | |
| ⊗ Code Smell ▾  ⊙ Critical ▾  ○ Open ▾  Not assigned ▾  1h53min effort  Comment | 🏷 brain-overload ▾ | |

| | | |
|---|---|---|
| **Refactor this code to not nest more than 3 if\|for\|do\|while\|switch statements.** | 1 month ago ▾  L642 % ▼▾ | |
| ⊗ Code Smell ▾  ⊙ Critical ▾  ○ Open ▾  Not assigned ▾  10min effort  Comment | 🏷 brain-overload ▾ | |

| | | |
|---|---|---|
| **Refactor this code to not nest more than 3 if\|for\|do\|while\|switch statements.** | 6 months ago ▾  L648 % ▼▾ | |
| ⊗ Code Smell ▾  ⊙ Critical ▾  ○ Open ▾  Not assigned ▾  10min effort  Comment | 🏷 brain-overload ▾ | |

| | | |
|---|---|---|
| **Refactor this code to not nest more than 3 if\|for\|do\|while\|switch statements.** | 6 months ago ▾  L662 % ▼▾ | |
| ⊗ Code Smell ▾  ⊙ Critical ▾  ○ Open ▾  Not assigned ▾  10min effort  Comment | 🏷 brain-overload ▾ | |

| | | |
|---|---|---|
| **Refactor this code to not nest more than 3 if\|for\|do\|while\|switch statements.** | 6 months ago ▾  L666 % ▼▾ | |
| ⊗ Code Smell ▾  ⊙ Critical ▾  ○ Open ▾  Not assigned ▾  10min effort  Comment | 🏷 brain-overload ▾ | |

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|---|---|---|
| **Refactor this code to not nest more than 3 if\|for\|do\|while\|switch statements.** | 1 month ago ▾  L684 % ▼▾ | |
| ⊗ Code Smell ▾  ⊙ Critical ▾  ○ Open ▾  Not assigned ▾  10min effort  Comment | 🏷 brain-overload ▾ | |

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|---|---|---|
| **Refactor this code to not nest more than 3 if\|for\|do\|while\|switch statements.** | 6 months ago ▾  L691 % ▼▾ | |
| ⊗ Code Smell ▾  ⊙ Critical ▾  ○ Open ▾  Not assigned ▾  10min effort  Comment | 🏷 brain-overload ▾ | |

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|---|---|---|
| **Refactor this code to not nest more than 3 if\|for\|do\|while\|switch statements.** | 4 months ago ▾  L731 % ▼▾ | |
| ⊗ Code Smell ▾  ⊙ Critical ▾  ○ Open ▾  Not assigned ▾  10min effort  Comment | 🏷 brain-overload ▾ | |

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|---|---|---|
| **Refactor this code to not nest more than 3 if\|for\|do\|while\|switch statements.** | 4 months ago ▾  L759 % ▼▾ | |
| ⊗ Code Smell ▾  ⊙ Critical ▾  ○ Open ▾  Not assigned ▾  10min effort  Comment | 🏷 brain-overload ▾ | |

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|---|---|---|
| **Refactor this function to reduce its Cognitive Complexity from 154 to the 25 allowed.** | 1 month ago ▾  L841 % ▼▾ | |
| ⊗ Code Smell ▾  ⊙ Critical ▾  ○ Open ▾  Not assigned ▾  2h14min effort  Comment | 🏷 brain-overload ▾ | |

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|---|---|---|
| **Refactor this code to not nest more than 3 if\|for\|do\|while\|switch statements.** | 1 month ago ▾  L847 % ▼▾ | |
| ⊗ Code Smell ▾  ⊙ Critical ▾  ○ Open ▾  Not assigned ▾  10min effort  Comment | 🏷 brain-overload ▾ | |

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|---|---|---|
| **Refactor this code to not nest more than 3 if\|for\|do\|while\|switch statements.** | 6 months ago ▾  L854 % ▼▾ | |
| ⊗ Code Smell ▾  ⊙ Critical ▾  ○ Open ▾  Not assigned ▾  10min effort  Comment | 🏷 brain-overload ▾ | |

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|---|---|---|
| **Refactor this code to not nest more than 3 if\|for\|do\|while\|switch statements.** | 1 month ago ▾  L886 % ▼▾ | |
| ⊗ Code Smell ▾  ⊙ Critical ▾  ○ Open ▾  Not assigned ▾  10min effort  Comment | 🏷 brain-overload ▾ | |

**Refactor this code to not nest more than 3 if|for|do|while|switch statements.**
Code Smell ▾  ⊗ Critical ▾  ○ Open ▾  Not assigned ▾  10min effort  Comment
6 months ago ▾  L891  🔗  ▼▾
🏷 brain-overload ▾

**Refactor this code to not nest more than 3 if|for|do|while|switch statements.**
Code Smell ▾  ⊗ Critical ▾  ○ Open ▾  Not assigned ▾  10min effort  Comment
4 months ago ▾  L948  🔗  ▼▾
🏷 brain-overload ▾

**Refactor this code to not nest more than 3 if|for|do|while|switch statements.**
Code Smell ▾  ⊗ Critical ▾  ○ Open ▾  Not assigned ▾  10min effort  Comment
4 months ago ▾  L952  🔗  ▼▾
🏷 brain-overload ▾

**Refactor this code to not nest more than 3 if|for|do|while|switch statements.**
Code Smell ▾  ⊗ Critical ▾  ○ Open ▾  Not assigned ▾  10min effort  Comment
4 months ago ▾  L977  🔗  ▼▾
🏷 brain-overload ▾

**Refactor this code to not nest more than 3 if|for|do|while|switch statements.**
Code Smell ▾  ⊗ Critical ▾  ○ Open ▾  Not assigned ▾  10min effort  Comment
4 months ago ▾  L983  🔗  ▼▾
🏷 brain-overload ▾

**Refactor this function to reduce its Cognitive Complexity from 64 to the 25 allowed.**
Code Smell ▾  ⊗ Critical ▾  ○ Open ▾  Not assigned ▾  44min effort  Comment
1 month ago ▾  L1088  🔗  ▼▾
🏷 brain-overload ▾

**Refactor this code to not nest more than 3 if|for|do|while|switch statements.**
Code Smell ▾  ⊗ Critical ▾  ○ Open ▾  Not assigned ▾  10min effort  Comment
1 month ago ▾  L1135  🔗  ▼▾
🏷 brain-overload ▾

**Refactor this code to not nest more than 3 if|for|do|while|switch statements.**
Code Smell ▾  ⊗ Critical ▾  ○ Open ▾  Not assigned ▾  10min effort  Comment
6 months ago ▾  L1149  🔗  ▼▾
🏷 brain-overload ▾

**Refactor this code to not nest more than 3 if|for|do|while|switch statements.**
Code Smell ▾  ⊗ Critical ▾  ○ Open ▾  Not assigned ▾  10min effort  Comment
6 months ago ▾  L1162  🔗  ▼▾
🏷 brain-overload ▾

**Refactor this code to not nest more than 3 if|for|do|while|switch statements.**
Code Smell ▾  ⊗ Critical ▾  ○ Open ▾  Not assigned ▾  10min effort  Comment
6 months ago ▾  L1249  🔗  ▼▾
🏷 brain-overload ▾

**Refactor this code to not nest more than 3 if|for|do|while|switch statements.**
Code Smell ▾  ⊗ Critical ▾  ○ Open ▾  Not assigned ▾  10min effort  Comment
6 months ago ▾  L1256  🔗  ▼▾
🏷 brain-overload ▾

**Refactor this function to reduce its Cognitive Complexity from 36 to the 25 allowed.**
Code Smell ▾  ⊗ Critical ▾  ○ Open ▾  Not assigned ▾  16min effort  Comment
6 months ago ▾  L1289  🔗  ▼▾
🏷 brain-overload ▾

**Refactor this code to not nest more than 3 if|for|do|while|switch statements.**
Code Smell ▾  ⊗ Critical ▾  ○ Open ▾  Not assigned ▾  10min effort  Comment
6 months ago ▾  L1441  🔗  ▼▾
🏷 brain-overload ▾

📄 scripts/common.py

**Define a constant instead of duplicating this literal '{}_{}_CA.crt' 3 times.**
Code Smell ▾  ⊗ Critical ▾  ○ Open ▾  Not assigned ▾  6min effort  Comment
11 months ago ▾  L71  🔗  ▼▾
🏷 design ▾

**Define a constant instead of duplicating this literal '{}_prime256v1.pem' 3 times.**
Code Smell ▾  ⊗ Critical ▾  ○ Open ▾  Not assigned ▾  6min effort  Comment
11 months ago ▾  L123  🔗  ▼▾
🏷 design ▾

**Define a constant instead of duplicating this literal '{}_{}_srv.csr' 3 times.**
Code Smell ▾  ⊗ Critical ▾  ○ Open ▾  Not assigned ▾  6min effort  Comment
11 months ago ▾  L155  🔗  ▼▾
🏷 design ▾

📄 test/oqs_test_tlssig.c

**cast from 'const char *' to 'char *' drops const qualifier**
Code Smell ▾  ⊗ Critical ▾  ○ Open ▾  Not assigned ▾  20min effort  Comment
1 year ago ▾  L49  🔗  ▼▾
🏷 cert, cppcoreguidelines, misra-c++200... ▾

📄 test/tlstest_helpers.c

**Refactor this function to reduce its Cognitive Complexity from 37 to the 25 allowed.**
Code Smell ▾  ⊗ Critical ▾  ○ Open ▾  Not assigned ▾  17min effort  Comment
1 month ago ▾  L133  🔗  ▼▾
🏷 brain-overload ▾

oqsprov/oqs_decode_der2key.c

**Move this #include directive to the top of the file.**
2 years ago ▾ L26 🔗 ▼
🔆 Code Smell ▾ 🔴 Major ▾ ◯ Open ▾ Not assigned ▾ 10min effort Comment
🏷 confusing, misra-c++2008, misra-c200... ▾

**Remove the unused parameter "pw_cb".**
1 month ago ▾ L283 🔗 ▼
🔆 Code Smell ▾ 🔴 Major ▾ ◯ Open ▾ Not assigned ▾ 5min effort Comment
🏷 based-on-misra, cert, unused ▾

**Remove the unused parameter "pw_cbarg".**
1 month ago ▾ L283 🔗 ▼
🔆 Code Smell ▾ 🔴 Major ▾ ◯ Open ▾ Not assigned ▾ 5min effort Comment
🏷 based-on-misra, cert, unused ▾

**Remove the unused parameter "key".**
2 years ago ▾ L419 🔗 ▼
🔆 Code Smell ▾ 🔴 Major ▾ ◯ Open ▾ Not assigned ▾ 5min effort Comment
🏷 based-on-misra, cert, unused ▾

oqsprov/oqs_encode_key2any.c

**Add a "default" case to this switch statement.**
2 years ago ▾ L70 🔗 ▼
🔆 Code Smell ▾ 🔴 Major ▾ ◯ Open ▾ Not assigned ▾ 10min effort Comment
🏷 suspicious ▾

**Remove the unused parameter "params".**
2 years ago ▾ L81 🔗 ▼
🔆 Code Smell ▾ 🔴 Major ▾ ◯ Open ▾ Not assigned ▾ 5min effort Comment
🏷 based-on-misra, cert, unused ▾

**Remove the unused parameter "params_type".**
2 years ago ▾ L81 🔗 ▼
🔆 Code Smell ▾ 🔴 Major ▾ ◯ Open ▾ Not assigned ▾ 5min effort Comment
🏷 based-on-misra, cert, unused ▾

**implicit conversion loses integer precision: 'size_t' (aka 'unsigned long') to 'int'**
1 year ago ▾ L124 🔗 ▼
🔆 Code Smell ▾ 🔴 Major ▾ ◯ Open ▾ Not assigned ▾ 10min effort Comment
🏷 suspicious ▾

**Remove the unused parameter "params".**
2 years ago ▾ L149 🔗 ▼
🔆 Code Smell ▾ 🔴 Major ▾ ◯ Open ▾ Not assigned ▾ 5min effort Comment
🏷 based-on-misra, cert, unused ▾

**Remove the unused parameter "params_type".**
2 years ago ▾ L149 🔗 ▼
🔆 Code Smell ▾ 🔴 Major ▾ ◯ Open ▾ Not assigned ▾ 5min effort Comment
🏷 based-on-misra, cert, unused ▾

**Remove the unused parameter "save".**
2 years ago ▾ L453 🔗 ▼
🔆 Code Smell ▾ 🔴 Major ▾ ◯ Open ▾ Not assigned ▾ 5min effort Comment
🏷 based-on-misra, cert, unused ▾

**implicit conversion loses integer precision: 'const size_t' (aka 'const unsigned long') to 'int'**
1 year ago ▾ L508 🔗 ▼
🔆 Code Smell ▾ 🔴 Major ▾ ◯ Open ▾ Not assigned ▾ 10min effort Comment
🏷 suspicious ▾

**implicit conversion loses integer precision: 'size_t' (aka 'unsigned long') to 'int'**
6 months ago ▾ L526 🔗 ▼
🔆 Code Smell ▾ 🔴 Major ▾ ◯ Open ▾ Not assigned ▾ 10min effort Comment
🏷 suspicious ▾

**implicit conversion loses integer precision: 'size_t' (aka 'unsigned long') to 'int'**
6 months ago ▾ L534 🔗 ▼
🔆 Code Smell ▾ 🔴 Major ▾ ◯ Open ▾ Not assigned ▾ 10min effort Comment
🏷 suspicious ▾

**implicit conversion loses integer precision: 'size_t' (aka 'unsigned long') to 'uint32_t' (aka 'unsigned int')**
1 year ago ▾ L603 🔗 ▼
🔆 Code Smell ▾ 🔴 Major ▾ ◯ Open ▾ Not assigned ▾ 10min effort Comment
🏷 suspicious ▾

**Remove the commented out code.** ⊖
2 years ago ▾ L647 🔗 ▼
🔆 Code Smell ▾ 🔴 Major ▾ ◯ Open ▾ Not assigned ▾ 5min effort Comment
🏷 based-on-misra, unused ▾

**declaration shadows a local variable**
6 months ago ▾ L675 🔗 ▼
🔆 Code Smell ▾ 🔴 Major ▾ ◯ Open ▾ Not assigned ▾ 5min effort Comment
🏷 based-on-misra, cert, pitfall, suspicious ▾

**implicit conversion loses integer precision: 'size_t' (aka 'unsigned long') to 'uint32_t' (aka 'unsigned int')**
6 months ago ▾ L737 🔗 ▼
🔆 Code Smell ▾ 🔴 Major ▾ ◯ Open ▾ Not assigned ▾ 10min effort Comment
🏷 suspicious ▾

**implicit conversion loses integer precision: 'unsigned long' to 'uint32_t' (aka 'unsigned int')**  
☐   ⊗ Code Smell ▾   🔴 Major ▾   ○ Open ▾   Not assigned ▾   10min effort   Comment     6 months ago ▾   L740   🔗   ▼▾    🏷 suspicious ▾

**implicit conversion loses integer precision: 'size_t' (aka 'unsigned long') to 'int'**  
☐   ⊗ Code Smell ▾   🔴 Major ▾   ○ Open ▾   Not assigned ▾   10min effort   Comment     6 months ago ▾   L818   🔗   ▼▾    🏷 suspicious ▾

**Merge this "if" statement with the enclosing one.**  
☐   ⊗ Code Smell ▾   🔴 Major ▾   ○ Open ▾   Not assigned ▾   5min effort   Comment     2 years ago ▾   L1303   🔗   ▼▾    🏷 clumsy ▾

**This function has 10 parameters, which is greater than the 7 authorized.**  
☐   ⊗ Code Smell ▾   🔴 Major ▾   ○ Open ▾   Not assigned ▾   20min effort   Comment     1 month ago ▾   L1350   🔗   ▼▾    🏷 brain-overload ▾

**Merge this "if" statement with the enclosing one.**  
☐   ⊗ Code Smell ▾   🔴 Major ▾   ○ Open ▾   Not assigned ▾   5min effort   Comment     11 months ago ▾   L1668   🔗   ▼▾    🏷 clumsy ▾

**implicit conversion loses integer precision: 'size_t' (aka 'unsigned long') to 'uint32_t' (aka 'unsigned int')**  
☐   ⊗ Code Smell ▾   🔴 Major ▾   ○ Open ▾   Not assigned ▾   10min effort   Comment     6 months ago ▾   L1699   🔗   ▼▾    🏷 suspicious ▾

**Merge this "if" statement with the enclosing one.**  
☐   ⊗ Code Smell ▾   🔴 Major ▾   ○ Open ▾   Not assigned ▾   5min effort   Comment     11 months ago ▾   L1745   🔗   ▼▾    🏷 clumsy ▾

**Remove the unused parameter "cb".**  
☐   ⊗ Code Smell ▾   🔴 Major ▾   ○ Open ▾   Not assigned ▾   5min effort   Comment     1 month ago ▾   L1810   🔗   ▼▾    🏷 based-on-misra, cert, unused ▾

**Remove the unused parameter "cbarg".**  
☐   ⊗ Code Smell ▾   🔴 Major ▾   ○ Open ▾   Not assigned ▾   5min effort   Comment     1 month ago ▾   L1810   🔗   ▼▾    🏷 based-on-misra, cert, unused ▾

📄 oqsprov/oqs_endecoder_common.c

**Merge this "if" statement with the enclosing one.**  
☐   ⊗ Code Smell ▾   🔴 Major ▾   ○ Open ▾   Not assigned ▾   5min effort   Comment     1 month ago ▾   L64   🔗   ▼▾    🏷 clumsy ▾

📄 oqsprov/oqs_hyb_kem.c

**Remove the unused parameter "ctlen".**  
☐   ⊗ Code Smell ▾   🔴 Major ▾   ○ Open ▾   Not assigned ▾   5min effort   Comment     1 month ago ▾   L92   🔗   ▼▾    🏷 based-on-misra, cert, unused ▾

📄 oqsprov/oqs_kem.c

**Remove the unused parameter "operation".**  
☐   ⊗ Code Smell ▾   🔴 Major ▾   ○ Open ▾   Not assigned ▾   5min effort   Comment     1 month ago ▾   L75   🔗   ▼▾    🏷 based-on-misra, cert, unused ▾

**Remove the unused parameter "params".**  
☐   ⊗ Code Smell ▾   🔴 Major ▾   ○ Open ▾   Not assigned ▾   5min effort   Comment     1 month ago ▾   L89   🔗   ▼▾    🏷 based-on-misra, cert, unused ▾

**Remove the unused parameter "params".**  
☐   ⊗ Code Smell ▾   🔴 Major ▾   ○ Open ▾   Not assigned ▾   5min effort   Comment     1 month ago ▾   L95   🔗   ▼▾    🏷 based-on-misra, cert, unused ▾

📄 oqsprov/oqs_kmgmt.c

**Merge this "if" statement with the enclosing one.**  
☐   ⊗ Code Smell ▾   🔴 Major ▾   ○ Open ▾   Not assigned ▾   5min effort   Comment     1 month ago ▾   L231   🔗   ▼▾    🏷 clumsy ▾

**Merge this "if" statement with the enclosing one.**  
☐   ⊗ Code Smell ▾   🔴 Major ▾   ○ Open ▾   Not assigned ▾   5min effort   Comment     1 month ago ▾   L252   🔗   ▼▾    🏷 clumsy ▾

**implicit conversion loses integer precision: 'unsigned long' to 'int'**  
☐   ⊗ Code Smell ▾   🔴 Major ▾   ○ Open ▾   Not assigned ▾   10min effort   Comment     6 months ago ▾   L381   🔗   ▼▾    🏷 suspicious ▾

**implicit conversion loses integer precision: 'unsigned long' to 'int'**  
1 month ago ▾ L386 🔗 ▼▾  
⊗ Code Smell ▾ ⬢ Major ▾ ○ Open ▾ Not assigned ▾ 10min effort  Comment  🏷 suspicious ▾

**Merge this "if" statement with the enclosing one.**  
3 years ago ▾ L460 🔗 ▼▾  
⊗ Code Smell ▾ ⬢ Major ▾ ○ Open ▾ Not assigned ▾ 5min effort  Comment  🏷 clumsy ▾

**Merge this "if" statement with the enclosing one.**  
3 years ago ▾ L464 🔗 ▼▾  
⊗ Code Smell ▾ ⬢ Major ▾ ○ Open ▾ Not assigned ▾ 5min effort  Comment  🏷 clumsy ▾

**Remove the unused parameter "provctx".**  
1 month ago ▾ L483 🔗 ▼▾  
⊗ Code Smell ▾ ⬢ Major ▾ ○ Open ▾ Not assigned ▾ 5min effort  Comment  🏷 based-on-misra, cert, unused ▾

**Merge this "if" statement with the enclosing one.**  
1 month ago ▾ L537 🔗 ▼▾  
⊗ Code Smell ▾ ⬢ Major ▾ ○ Open ▾ Not assigned ▾ 5min effort  Comment  🏷 clumsy ▾

**Remove the unused parameter "provctx".**  
1 month ago ▾ L552 🔗 ▼▾  
⊗ Code Smell ▾ ⬢ Major ▾ ○ Open ▾ Not assigned ▾ 5min effort  Comment  🏷 based-on-misra, cert, unused ▾

**Remove the unused parameter "osslcb".**  
1 month ago ▾ L600 🔗 ▼▾  
⊗ Code Smell ▾ ⬢ Major ▾ ○ Open ▾ Not assigned ▾ 5min effort  Comment  🏷 based-on-misra, cert, unused ▾

**Remove the unused parameter "cbarg".**  
1 month ago ▾ L600 🔗 ▼▾  
⊗ Code Smell ▾ ⬢ Major ▾ ○ Open ▾ Not assigned ▾ 5min effort  Comment  🏷 based-on-misra, cert, unused ▾

**Add the "static" storage specifier to this declaration.**  
1 month ago ▾ L618 🔗 ▼▾  
⊗ Code Smell ▾ ⬢ Major ▾ ○ Open ▾ Not assigned ▾ 5min effort  Comment  🏷 misra-c++2008, misra-c2004, pitfall ▾

**Remove the unused parameter "provctx".**  
1 month ago ▾ L632 🔗 ▼▾  
⊗ Code Smell ▾ ⬢ Major ▾ ○ Open ▾ Not assigned ▾ 5min effort  Comment  🏷 based-on-misra, cert, unused ▾

📄 oqsprov/oqs_prov.h

**Move this #include directive to the top of the file.**  
2 years ago ▾ L100 🔗 ▼▾  
⊗ Code Smell ▾ ⬢ Major ▾ ○ Open ▾ Not assigned ▾ 10min effort  Comment  🏷 confusing, misra-c++2008, misra-c200... ▾

📄 oqsprov/oqs_sig.c

**Remove these redundant parentheses.** ⊖  
2 years ago ▾ L82 🔗 ▼▾  
⊗ Code Smell ▾ ⬢ Major ▾ ○ Open ▾ Not assigned ▾ 1min effort  Comment  🏷 confusing ▾

**Remove the unused parameter "params".**  
1 month ago ▾ L199 🔗 ▼▾  
⊗ Code Smell ▾ ⬢ Major ▾ ○ Open ▾ Not assigned ▾ 5min effort  Comment  🏷 based-on-misra, cert, unused ▾

**Remove the unused parameter "params".**  
1 month ago ▾ L205 🔗 ▼▾  
⊗ Code Smell ▾ ⬢ Major ▾ ○ Open ▾ Not assigned ▾ 5min effort  Comment  🏷 based-on-misra, cert, unused ▾

**Remove the unused parameter "sigsize".**  
1 month ago ▾ L326 🔗 ▼▾  
⊗ Code Smell ▾ ⬢ Major ▾ ○ Open ▾ Not assigned ▾ 5min effort  Comment  🏷 based-on-misra, cert, unused ▾

**Merge this "if" statement with the enclosing one.**  
1 year ago ▾ L380 🔗 ▼▾  
⊗ Code Smell ▾ ⬢ Major ▾ ○ Open ▾ Not assigned ▾ 5min effort  Comment  🏷 clumsy ▾

**Remove the commented out code.** ⊖  
1 year ago ▾ L435 🔗 ▼▾  
⊗ Code Smell ▾ ⬢ Major ▾ ○ Open ▾ Not assigned ▾ 5min effort  Comment  🏷 based-on-misra, unused ▾

**Reduce the number of nested "break" and "goto" statements from 2 to 1 authorized.**  
6 months ago ▾ L464 🔗 ▼▾  
⊗ Code Smell ▾ ⬢ Major ▾ ○ Open ▾ Not assigned ▾ 20min effort  Comment  🏷 based-on-misra, confusing ▾

| | |
|---|---|
| **Reduce the number of nested "goto" statements from 9 to 1 authorized.** | 1 month ago ▾ L507 % ▾ ▾ |
| ☐ ⊗ Code Smell ▾ ⚠ Major ▾ ○ Open ▾ Not assigned ▾ 20min effort Comment | 🏷 based-on-misra, confusing ▾ |
| **Merge this "if" statement with the enclosing one.** | 1 month ago ▾ L603 % ▾ ▾ |
| ☐ ⊗ Code Smell ▾ ⚠ Major ▾ ○ Open ▾ Not assigned ▾ 5min effort Comment | 🏷 clumsy ▾ |
| **implicit conversion loses integer precision: 'size_t' (aka 'unsigned long') to 'int'** | 6 months ago ▾ L652 % ▾ ▾ |
| ☐ ⊗ Code Smell ▾ ⚠ Major ▾ ○ Open ▾ Not assigned ▾ 10min effort Comment | 🏷 suspicious ▾ |
| **implicit conversion loses integer precision: 'size_t' (aka 'unsigned long') to 'int'** | 6 months ago ▾ L657 % ▾ ▾ |
| ☐ ⊗ Code Smell ▾ ⚠ Major ▾ ○ Open ▾ Not assigned ▾ 10min effort Comment | 🏷 suspicious ▾ |
| **Value stored to 'evpkey' during its initialization is never read** | 6 months ago ▾ L694 % ▾ ▾ |
| ☐ ⊗ Code Smell ▾ ⚠ Major ▾ ○ Open ▾ Not assigned ▾ 15min effort Comment | 🏷 cert, cwe, symbolic-execution, unused ▾ |
| **Merge this "if" statement with the enclosing one.** | 1 month ago ▾ L731 % ▾ ▾ |
| ☐ ⊗ Code Smell ▾ ⚠ Major ▾ ○ Open ▾ Not assigned ▾ 5min effort Comment | 🏷 clumsy ▾ |
| **Remove the commented out code.** ⊖ | 1 year ago ▾ L794 % ▾ ▾ |
| ☐ ⊗ Code Smell ▾ ⚠ Major ▾ ○ Open ▾ Not assigned ▾ 5min effort Comment | 🏷 based-on-misra, unused ▾ |
| **Reduce the number of nested "break" and "goto" statements from 2 to 1 authorized.** | 6 months ago ▾ L820 % ▾ ▾ |
| ☐ ⊗ Code Smell ▾ ⚠ Major ▾ ○ Open ▾ Not assigned ▾ 20min effort Comment | 🏷 based-on-misra, confusing ▾ |
| **Reduce the number of nested "goto" statements from 8 to 1 authorized.** | 1 month ago ▾ L863 % ▾ ▾ |
| ☐ ⊗ Code Smell ▾ ⚠ Major ▾ ○ Open ▾ Not assigned ▾ 20min effort Comment | 🏷 based-on-misra, confusing ▾ |
| **declaration shadows a local variable** | 6 months ago ▾ L893 % ▾ ▾ |
| ☐ ⊗ Code Smell ▾ ⚠ Major ▾ ○ Open ▾ Not assigned ▾ 5min effort Comment | 🏷 based-on-misra, cert, pitfall, suspicious ▾ |
| **Merge this "if" statement with the enclosing one.** | 1 month ago ▾ L954 % ▾ ▾ |
| ☐ ⊗ Code Smell ▾ ⚠ Major ▾ ○ Open ▾ Not assigned ▾ 5min effort Comment | 🏷 clumsy ▾ |
| **Remove the unused parameter "params".** | 1 month ago ▾ L1051 % ▾ ▾ |
| ☐ ⊗ Code Smell ▾ ⚠ Major ▾ ○ Open ▾ Not assigned ▾ 5min effort Comment | 🏷 based-on-misra, cert, unused ▾ |
| **Remove the unused parameter "params".** | 1 month ago ▾ L1059 % ▾ ▾ |
| ☐ ⊗ Code Smell ▾ ⚠ Major ▾ ○ Open ▾ Not assigned ▾ 5min effort Comment | 🏷 based-on-misra, cert, unused ▾ |
| **Add the "static" storage specifier to this declaration.** | 1 year ago ▾ L1065 % ▾ ▾ |
| ☐ ⊗ Code Smell ▾ ⚠ Major ▾ ○ Open ▾ Not assigned ▾ 5min effort Comment | 🏷 misra-c++2008, misra-c2004, pitfall ▾ |
| **Add the "static" storage specifier to this declaration.** | 1 year ago ▾ L1103 % ▾ ▾ |
| ☐ ⊗ Code Smell ▾ ⚠ Major ▾ ○ Open ▾ Not assigned ▾ 5min effort Comment | 🏷 misra-c++2008, misra-c2004, pitfall ▾ |
| **Merge this "if" statement with the enclosing one.** | 2 years ago ▾ L1124 % ▾ ▾ |
| ☐ ⊗ Code Smell ▾ ⚠ Major ▾ ○ Open ▾ Not assigned ▾ 5min effort Comment | 🏷 clumsy ▾ |
| **Merge this "if" statement with the enclosing one.** | 2 years ago ▾ L1125 % ▾ ▾ |
| ☐ ⊗ Code Smell ▾ ⚠ Major ▾ ○ Open ▾ Not assigned ▾ 5min effort Comment | 🏷 clumsy ▾ |
| **Add the "static" storage specifier to this declaration.** | 3 years ago ▾ L1139 % ▾ ▾ |
| ☐ ⊗ Code Smell ▾ ⚠ Major ▾ ○ Open ▾ Not assigned ▾ 5min effort Comment | 🏷 misra-c++2008, misra-c2004, pitfall ▾ |

📄 oqsprov/oqsdecoders.inc

**Split this 168 characters long line (which is greater than 120 authorized).**        1 month ago ▾ L43   %   ▼▾
☒ ✪ Code Smell ▾   🔺 Major ▾   ◯ Open ▾   Not assigned ▾   1min effort   Comment       🏷 convention ▾

**Split this 176 characters long line (which is greater than 120 authorized).**        1 month ago ▾ L50   %   ▼▾
☒ ✪ Code Smell ▾   🔺 Major ▾   ◯ Open ▾   Not assigned ▾   1min effort   Comment       🏷 convention ▾

**Split this 164 characters long line (which is greater than 120 authorized).**        1 month ago ▾ L57   %   ▼▾
☒ ✪ Code Smell ▾   🔺 Major ▾   ◯ Open ▾   Not assigned ▾   1min effort   Comment       🏷 convention ▾

**Split this 172 characters long line (which is greater than 120 authorized).**        1 month ago ▾ L64   %   ▼▾
☒ ✪ Code Smell ▾   🔺 Major ▾   ◯ Open ▾   Not assigned ▾   1min effort   Comment       🏷 convention ▾

**Split this 156 characters long line (which is greater than 120 authorized).**        1 month ago ▾ L83   %   ▼▾
☒ ✪ Code Smell ▾   🔺 Major ▾   ◯ Open ▾   Not assigned ▾   1min effort   Comment       🏷 convention ▾

**Split this 152 characters long line (which is greater than 120 authorized).**        1 month ago ▾ L90   %   ▼▾
☒ ✪ Code Smell ▾   🔺 Major ▾   ◯ Open ▾   Not assigned ▾   1min effort   Comment       🏷 convention ▾

**Split this 156 characters long line (which is greater than 120 authorized).**        1 month ago ▾ L91   %   ▼▾
☒ ✪ Code Smell ▾   🔺 Major ▾   ◯ Open ▾   Not assigned ▾   1min effort   Comment       🏷 convention ▾

**Split this 156 characters long line (which is greater than 120 authorized).**        1 month ago ▾ L92   %   ▼▾
☒ ✪ Code Smell ▾   🔺 Major ▾   ◯ Open ▾   Not assigned ▾   1min effort   Comment       🏷 convention ▾

**Split this 156 characters long line (which is greater than 120 authorized).**        1 month ago ▾ L105   %   ▼▾
☒ ✪ Code Smell ▾   🔺 Major ▾   ◯ Open ▾   Not assigned ▾   1min effort   Comment       🏷 convention ▾

**Split this 152 characters long line (which is greater than 120 authorized).**        1 month ago ▾ L112   %   ▼▾
☒ ✪ Code Smell ▾   🔺 Major ▾   ◯ Open ▾   Not assigned ▾   1min effort   Comment       🏷 convention ▾

**Split this 156 characters long line (which is greater than 120 authorized).**        1 month ago ▾ L113   %   ▼▾
☒ ✪ Code Smell ▾   🔺 Major ▾   ◯ Open ▾   Not assigned ▾   1min effort   Comment       🏷 convention ▾

**Split this 156 characters long line (which is greater than 120 authorized).**        1 month ago ▾ L114   %   ▼▾
☒ ✪ Code Smell ▾   🔺 Major ▾   ◯ Open ▾   Not assigned ▾   1min effort   Comment       🏷 convention ▾

**Split this 156 characters long line (which is greater than 120 authorized).**        1 month ago ▾ L121   %   ▼▾
☒ ✪ Code Smell ▾   🔺 Major ▾   ◯ Open ▾   Not assigned ▾   1min effort   Comment       🏷 convention ▾

**Split this 148 characters long line (which is greater than 120 authorized).**        1 month ago ▾ L128   %   ▼▾
☒ ✪ Code Smell ▾   🔺 Major ▾   ◯ Open ▾   Not assigned ▾   1min effort   Comment       🏷 convention ▾

**Split this 144 characters long line (which is greater than 120 authorized).**        1 month ago ▾ L135   %   ▼▾
☒ ✪ Code Smell ▾   🔺 Major ▾   ◯ Open ▾   Not assigned ▾   1min effort   Comment       🏷 convention ▾

**Split this 148 characters long line (which is greater than 120 authorized).**        1 month ago ▾ L148   %   ▼▾
☒ ✪ Code Smell ▾   🔺 Major ▾   ◯ Open ▾   Not assigned ▾   1min effort   Comment       🏷 convention ▾

**Split this 144 characters long line (which is greater than 120 authorized).**        1 month ago ▾ L155   %   ▼▾
☒ ✪ Code Smell ▾   🔺 Major ▾   ◯ Open ▾   Not assigned ▾   1min effort   Comment       🏷 convention ▾

**Split this 150 characters long line (which is greater than 120 authorized).**        1 month ago ▾ L170   %   ▼▾
☒ ✪ Code Smell ▾   🔺 Major ▾   ◯ Open ▾   Not assigned ▾   1min effort   Comment       🏷 convention ▾

**Split this 166 characters long line (which is greater than 120 authorized).**        1 month ago ▾ L171   %   ▼▾
☒ ✪ Code Smell ▾   🔺 Major ▾   ◯ Open ▾   Not assigned ▾   1min effort   Comment       🏷 convention ▾

| Split this 150 characters long line (which is greater than 120 authorized). | 1 month ago ▾ L176 % ▼▾ |
|---|---|
| ⊗ Code Smell ▾ 🔺 Major ▾ ○ Open ▾ Not assigned ▾ 1min effort Comment | 🏷 convention ▾ |

| Split this 150 characters long line (which is greater than 120 authorized). | 1 month ago ▾ L181 % ▼▾ |
|---|---|
| ⊗ Code Smell ▾ 🔺 Major ▾ ○ Open ▾ Not assigned ▾ 1min effort Comment | 🏷 convention ▾ |

| Split this 138 characters long line (which is greater than 120 authorized). | 1 month ago ▾ L186 % ▼▾ |
|---|---|
| ⊗ Code Smell ▾ 🔺 Major ▾ ○ Open ▾ Not assigned ▾ 1min effort Comment | 🏷 convention ▾ |

| Split this 154 characters long line (which is greater than 120 authorized). | 1 month ago ▾ L187 % ▼▾ |
|---|---|
| ⊗ Code Smell ▾ 🔺 Major ▾ ○ Open ▾ Not assigned ▾ 1min effort Comment | 🏷 convention ▾ |

| Split this 160 characters long line (which is greater than 120 authorized). | 1 month ago ▾ L188 % ▼▾ |
|---|---|
| ⊗ Code Smell ▾ 🔺 Major ▾ ○ Open ▾ Not assigned ▾ 1min effort Comment | 🏷 convention ▾ |

| Split this 160 characters long line (which is greater than 120 authorized). | 1 month ago ▾ L189 % ▼▾ |
|---|---|
| ⊗ Code Smell ▾ 🔺 Major ▾ ○ Open ▾ Not assigned ▾ 1min effort Comment | 🏷 convention ▾ |

| Split this 160 characters long line (which is greater than 120 authorized). | 1 month ago ▾ L190 % ▼▾ |
|---|---|
| ⊗ Code Smell ▾ 🔺 Major ▾ ○ Open ▾ Not assigned ▾ 1min effort Comment | 🏷 convention ▾ |

| Split this 154 characters long line (which is greater than 120 authorized). | 1 month ago ▾ L191 % ▼▾ |
|---|---|
| ⊗ Code Smell ▾ 🔺 Major ▾ ○ Open ▾ Not assigned ▾ 1min effort Comment | 🏷 convention ▾ |

| Split this 150 characters long line (which is greater than 120 authorized). | 1 month ago ▾ L192 % ▼▾ |
|---|---|
| ⊗ Code Smell ▾ 🔺 Major ▾ ○ Open ▾ Not assigned ▾ 1min effort Comment | 🏷 convention ▾ |

| Split this 138 characters long line (which is greater than 120 authorized). | 1 month ago ▾ L197 % ▼▾ |
|---|---|
| ⊗ Code Smell ▾ 🔺 Major ▾ ○ Open ▾ Not assigned ▾ 1min effort Comment | 🏷 convention ▾ |