

Fix MQTT session resume bug of subinfo in WebSocket transport #1405

Merged JaylinYu merged 2 commits into main from jaylin/dev on Jan 9

Conversation Commits 2 Checks Files changed

JaylinYu commented on Jan 8 • edited by coderabbitai bot Member

Summary by CodeRabbit

Release Notes

- **Bug Fixes**
 - Enhanced QoS message buffering and handling in WebSocket transport for improved message delivery reliability.
 - Improved thread-safety mechanisms for concurrent pipe operations.
- **Refactor**
 - Optimized resource cleanup sequences in transport lifecycle management.
 - Code organization improvements in transport layer components.






Tip: You can customize this high-level summary in your review settings.

JaylinYu added 2 commits 2 months ago

* MDF [websocket/mqtt] fix session present bug in MQTT over WebSocket... 0f8e964

* MDF [broker_tls] move log around ... 3cae533

coderrabbitai bot commented [on Jan 8](#) • edited ▾


- ▶  Walkthrough
- ▶  Pre-merge checks |  1 |  2
- ▶  Finishing touches

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 **coderrabbitai** bot reviewed [on Jan 8](#)

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 **coderrabbitai** bot left a comment

Actionable comments posted: 1

- ▶  Nitpick comments (2)
- ▶  Review details

src/sp/transport/mqttws/nmq_websocket.c

Comment on lines [+1293](#) to [+1324](#)

```
1293 + subinfo *info = nni_list_first(cpipe->subinfo);
1294 + subinfo *last = nni_list_last(cpipe->subinfo);
1295 + do {
1296 +     if (!info) {
1297 +         log_error("got error topic from subinfo!");
1298 +         break;
1299 +     }
1300 +     char          *topic;
1301 +     struct subinfo *sn = NULL;
1302 +     if ((sn = nng_zalloc(sizeof(struct subinfo))) == NULL)
1303 +         return (1);
1304 +     log_debug("info topic : %s %d %d", info->topic, info->qos,
1305 +             strlen(info->topic));
```

```

1306 +         if ((topic = nng_zalloc(strlen(info->topic) + 1)) == NULL) {
1307 +             nng_free(sn, sizeof(struct subinfo));
1308 +             return (2);
1309 +         }
1310 +         strncpy(topic, info->topic, strlen(info->topic));
1311 +         log_debug("copy topic %s %d", topic, strlen(topic));
1312 +         sn->topic         = topic;
1313 +         sn->qos           = info->qos;
1314 +         sn->subid        = info->subid;
1315 +         sn->no_local     = info->no_local;
1316 +         sn->rap          = info->rap;
1317 +         sn->retain_handling = info->retain_handling;
1318 +         NNI_LIST_NODE_INIT(&sn->node);
1319 +         nni_list_append(npipes->subinfo, sn);
1320 +         if (info == last)
1321 +             break;
1322 +         else
1323 +             info = nni_list_next(cpipes->subinfo, info);
1324 +     } while (info != NULL);

```



coderabbitai (bot) on Jan 8

⚠️ Potential issue | 🟡 Major

Improve error handling in subscription list transfer.

The subscription list copying logic has several concerns:

- Lines 1296-1299:** If a NULL `info` is encountered, the function logs an error and breaks, but returns 0 (success). This could result in an incomplete subscription list transfer. Consider returning an error code instead.
- Lines 1302-1303, 1306-1308:** Memory allocations can fail, but the function returns 1 or 2 without proper cleanup of already-allocated nodes. If allocation fails mid-loop, previously allocated nodes in the new list may leak.
- Lines 1320-1324:** The loop termination logic using `last` pointer and comparing `info == last` is fragile. If the list structure is corrupted or modified concurrently, this could cause issues.

▶️ 🔄 Suggested improvements for error handling




JaylinYu merged commit **e80b30b** into `main` on Jan 9

[View details](#)

7 of 16 checks passed

coderabbitai (bot) commented [on Jan 9](#)

▶  Actions performed

 This was referenced on Jan 9

enhancement according AI code review #1407

 Merged

fix #1406 #1408

 Merged

  **coderabbitai** (bot) mentioned this pull request [on Jan 16](#)

mov subinfol init out from core pipe #1426

 Merged

  **coderabbitai** (bot) mentioned this pull request [3 weeks ago](#)

fix memleak of old kv & missing syntax error. #1451

 Merged


  **coderabbitai** (bot) mentioned this pull request [5 days ago](#)

fix reset retain flag for MQTT V3.1/V3.1.1 #1466

 Merged

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Reviewers

 **coderabbitai[bot]**



Assignees

No one assigned

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

Successfully merging this pull request may close these issues.

None yet

1 participant

