



由于vipmanager进程失败、集群加入失败

https://kb-cn-stage.netapp.com/on-prem/ontap/Ontap_OS/OS-KBs/Cluster_join_fails_due_to_vifmgr_pr...

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执行

适用场景

- ONTAP 9.0
- ONTAP 9.1

问题描述

将新节点加入 ONTAP 9.0或9.1集群 可能会失败、并显示以下错误消息：

```
Updating LIF Manager .....Error: Failed to create Default  
Broadcast domain. Timeout: Operation  
"vifmgr_broadcast_domain_perform_cluster_join_iterator::create_imp()" took  
longer than 25 seconds to complete.
```

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要确认根发生原因、请检查以下内容：

1.确认加入 更新默认广播域任务失败

```
cluster::*> set -privilege diagnostic
```

```
cluster::*> debug cluster-join show
```

Task ID	SubTask ID	Status	Tries	Failures
pre-setup	check-unused-cluster-ports	success	20	0
pre-setup	mtu-check	success	20	0
pre-setup	ping-local	success	20	0
pre-setup	ping-remote	success	20	0
pre-setup	mtu-subnet-test	success	20	0
pre-setup	rpc-check	success	20	0
pre-setup	capability-check	success	20	0
network-setup	check-node-mgmt-mtu	success	20	0
network-setup	rename-lifs-nodeuuid	success	20	0
network-setup	relabel-lifs	success	20	0
network-setup	ping-local2	success	20	0
network-setup	limit-check	success	20	0
node-check	check-for-mroot	success	20	0
node-check	ha-mode-check	success	20	0
node-check	sfo-partner-check	success	20	0
node-check	platform-check	success	20	0
node-check	license-check	success	20	0
node-check	join-switchless	success	20	0
node-check	get-node-time	success	20	0
node-check	get-node-name	success	20	0
node-check	check-node-name	success	20	0
node-check	resolve-aggr-names	success	20	0
node-check	cluster-ha-check	success	20	0
system-initialize	system-initialize	success	20	0
cluster-join	join-site-list	success	20	0
cluster-join	wait-for-rdb-online	success	20	0
cluster-join	wait-for-rdb-databases	success	20	0
cluster-join	create_cluster_version_entries	success	20	0
cluster-join	upload-capability	success	20	0
system-startup	system-startup	success	20	0

check-cluster-apps	vldb	success	20	0
check-cluster-apps	lifmgr	success	20	0
check-cluster-apps	bcom	success	20	0
vldb-update	register-aggregates	success	20	0
vldb-update	register-volumes	success	20	0
vifmgr-update	update-default-broadcast-domain	failure	20	1
nonshared-clus-setup	nonshared-clus-setup	-	0	0
miscellaneous	rename-lifs-nodename	-	0	0
miscellaneous	get-location	-	0	0
miscellaneous	register-mgwd-dsmfp-service	-	0	0
miscellaneous	file-replication	-	0	0
miscellaneous	subscribe-host-based-keys	-	0	0
miscellaneous	subscribe-systemshell-ssh-keys	-	0	0
miscellaneous	motd-and-banner-join	-	0	0
miscellaneous	nvfail-setup	-	0	0
miscellaneous	node-http-config	-	0	0
miscellaneous	upload-licenses-v2	-	0	0
miscellaneous	remove-precluster-cert	-	0	0
miscellaneous	bandwidth-check	-	0	0
miscellaneous	dummy-task	-	0	0
finished	finished	failure	20	2

2. 在/mroot/etc/log/mllog/vifmgr.log中搜索"FG_UPDATE_JOIN"消息、其中秒数较大且持续增加：

```
[src/rdb/TM.cc 2916 (0x8127f0100)]: RW-transaction TID <16,17042,17042> held by
client 1022 for 81795 seconds (created: 1995072s, now: 2076867s) (label
'fg_update_join').
```

```
[src/rdb/TM.cc 2916 (0x811c0ec00)]: RW-transaction TID <16,17042,17042> held by
client 1022 for 81805 seconds (created: 1995072s, now: 2076877s) (label
'fg_update_join').
```