Question
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IRIS mirrored went into a hung state

I have the following servers in IRIS mirror set:
Arbiter; iscagent only
LIVETCO1; IRIS DB full install; Primary
LIVETCO2; IRIS DB full install; Backup

A couple of days ago IRIS hung.
The application using LIVETCO1 DB stopped functioning.

I'm trying to find out the sequence of events leading up to the failure.

I see these entries in the log:
Arbiter:
2023-01-17T15:54:56 ISCAgent: Arbiter client error: Message read failed.
2023-01-17T15:54:56 ISCAgent: Completed serving application: ISC1ARBITER
2023-01-17T15:54:56 ISCAgent: Arbiter client error: Message read failed.
2023-01-17T15:54:56 ISCAgent: Completed serving application: ISC1ARBITER

LIVETCO1:
01/17/23-15:56:22 Arbiter connection lost
01/17/23-15:56:23 MirrorServer: Received new failover mode (Agent Controlled) from backup...(repeated 1 times)
01/17/23-15:56:41 ECP: connection from 'LIVETCO1' dropped
01/17/23-15:56:42 MirrorServer: Mirror entered trouble state
01/17/23-15:56:42 MirrorServer: Mirror id #0 set trouble state

LIVETCO2:
01/17/23-15:56:23 MirrorClient: Switched from Arbiter Controlled to Agent Controlled failover on request from primary
01/17/23-15:56:41 ECP: Mirror Connection request from 'TRAK-LIVETCO1'
01/17/23-15:56:41 ECPs: Conn redirected to primary mirror server @ (LIVETCO1)
01/17/23-15:56:44 MirrorClient: The backup node has become inactive from a status query
01/17/23-15:56:51 MirrorClient: The backup node has become active
01/17/23-15:56:51 MirrorClient: The backup node has become inactive from a ping
01/17/23-15:56:53 MirrorClient: The backup node has become active
01/17/23-15:57:12 Mirror Connection request from 'LIVETCO1'
01/17/23-15:57:12 ECPs: Conn redirected to primary mirror server @ (LIVETCO1)
01/17/23-15:57:13 Mirror Connection request from 'TRAK-LIVETCO1'
01/17/23-15:57:13 Conn redirected to primary mirror server @ (LIVETCO1)
01/17/23-15:57:20 MirrorClient: Primary AckDaemon failed to answer status request

Questions
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1. It looks like the Arbiter failed. Would you agree?
2. Can I find out why the Arbiter had a "Message read failed"
   Is the "Message read failed" an I/O error or a timeout?
3. It looks like the primary (LIVETCO1) detected the Arbiter failed.
   Then primary told backup that the Arbiter failed.
   Would you agree?
4. Does anyone know why backup node goes inactive then active 5 seconds later?
5. Does anyone know why the "Primary AckDaemon failed to answer status request"?

6. I don't think at any point the backup took over as primary.
  Would you agree?

Thanks for any help

#InterSystems IRIS
Product version: IRIS 2022.2

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