LAG is not fully functional - LAG Degraded- CERAGON

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A. Introduction

This document outlines the step-by-step process involved in Ceragon LAG is not fully functional - LAG Degraded- CERAGON Alarm Fault management.

B. PRE-CHECK

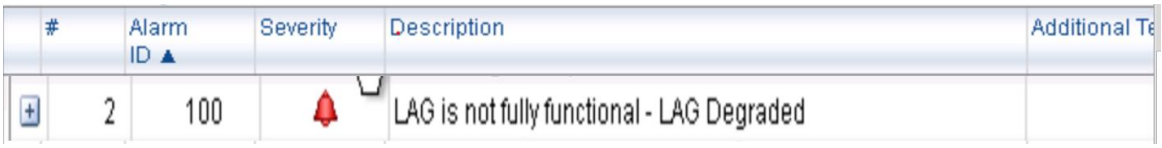
- *If node is reachable then need to proceed to the next step else need to arrange filed support with spare hardware such ETH card and tested login accessories.*
- *PCM path or end to end media path along with V-LAN & port details should be available.*
- *Keep configured LAG snapshot backup before performing any activity.*

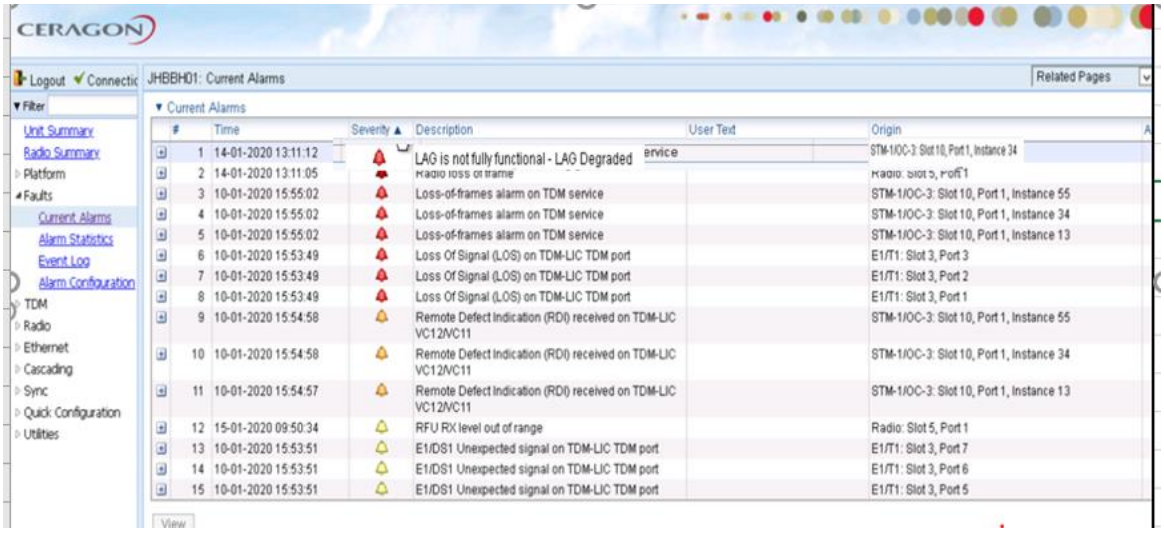
- *LAG is not fully functional - LAG Degraded in alarm window*

❖ *Please note that the method of procedure is prepared as the current scenario, available devices, and deployed software version. So activity steps and impact can vary depending upon the scenario.*

Current Alarms before activity

IP20:-



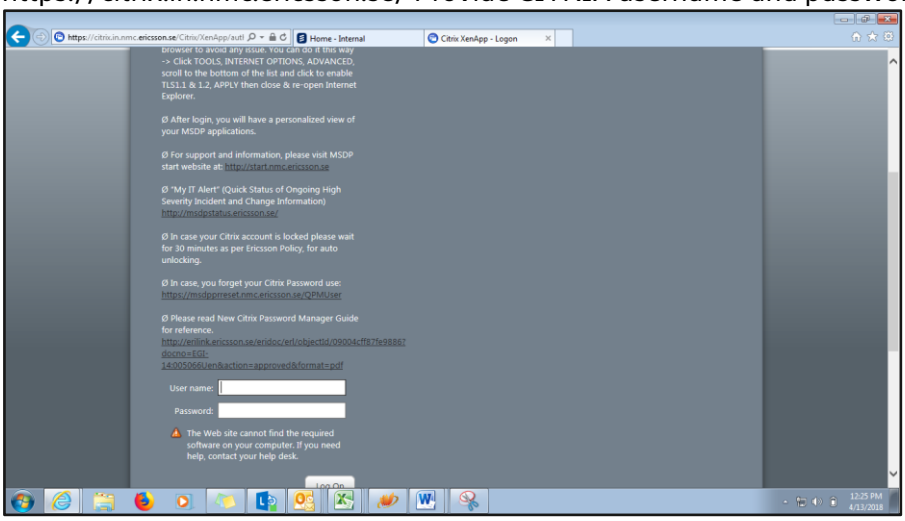


C. Procedure:

STEPS FOR Ceragon Radio loss of frame alarm clearence

1. Login MSDP through below mentioned link.

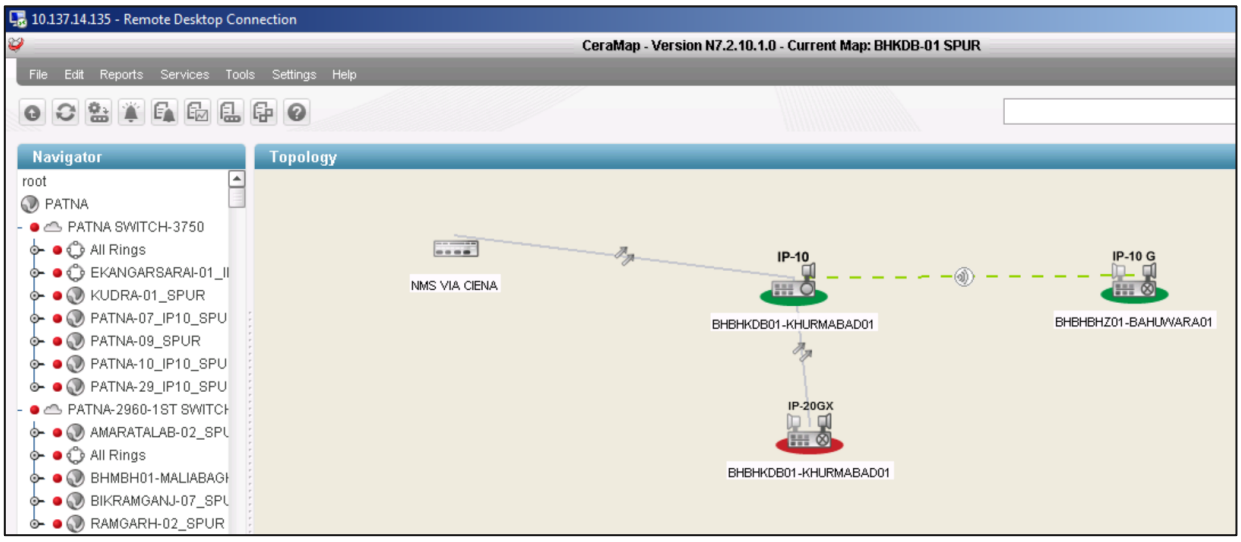
https://citrix.in.nmc.ericsson.se/ Provide CITRIX username and password.



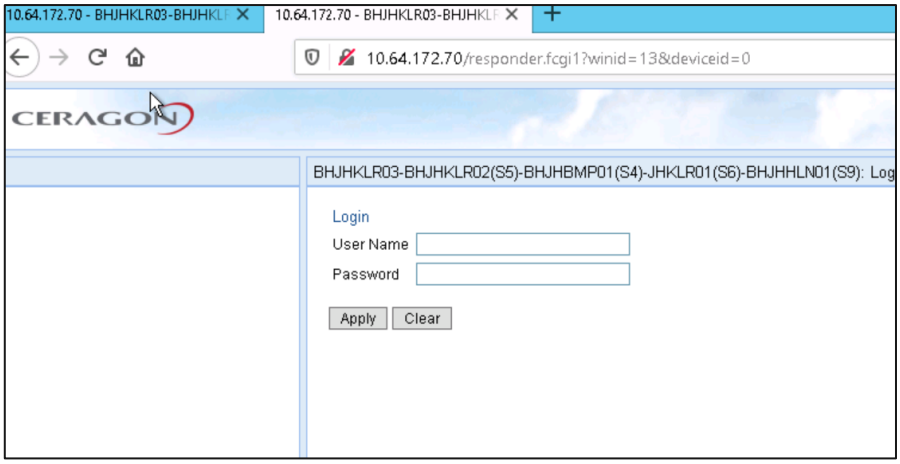
2. Clink on Main > Xenapp6.5 > **Bharti Noida >Bharti INNO Remote Desktop Client.**

3. Now login the RDP with RDP IP & credentials.

4. Launch the Cera map & login with credentials.



5. Search the required Node ID in Cera Map & open the node by clicking on Open Node GUI.
6. Login Ceragon IP20 NODE locally via web browser through IP.
7. Provide IDU username and password.



Principle:

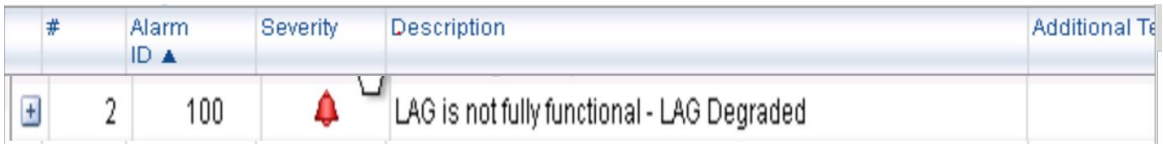
The LAG is not fully functional - LAG Degraded alarm indicates LAG Service is down.

Traffic Impact:

When LAG is not fully functional - LAG Degraded, the ETH services that travel along this path interrupted.

- Steps for troubleshooting

1. Check current alarm on node "below must be there"



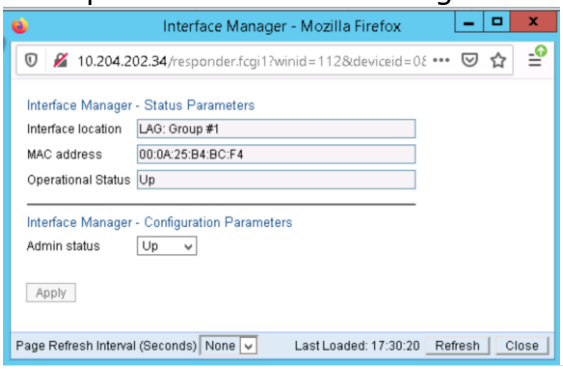
2. Probable cause
    a. At least one interface is not connected or configured to admin down.

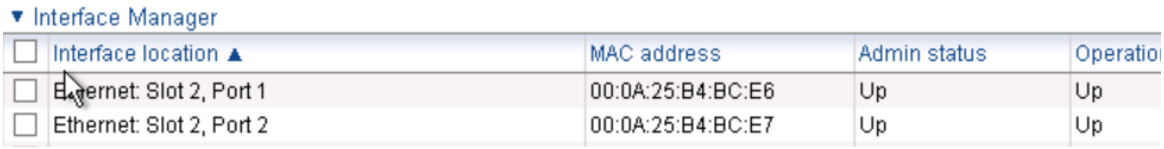
b. If one of the members is radio it might be in operational state down due to channel fading

3. Corrective Actions

a. Reconnect all LAG members
b. Configure the admin of all LAG members to be Up
c. If one member is radio, check its operational state

Example: - ideal condition Lag admin should up





Both port of group member EXP:- ETH S2P1 & ETH S2P2 should be operational up.

If every thig is ok and still alarm not cleared need to do following activity.

1. ETH cable needs to check and change.
2. ETH port/ETH card needs to change (to change port Please follow MOP for LAG creation).
3. If issue not resolved need to raise case with backend media.
4. If issue still not resolve need to raise care case to CERAGON.

D. Post Activity Health Check:

Need to Check alarm will be clear and services also restored after confirmation from all stakeholders. If alarm not cleared and link is still down after following all procedure, raise care case to OEM Ceragon.

E. Fall Back Procedure: -

No fall back requird