HPE ProLiant Gen10 Systems - An "Unsupported DIMM Configuration Detected - Configuration Does NOT Support Configured AMP Mode" Error May Be Displayed in IML on System configured in HPE Fast Fault Tolerance Mode with Single Rank DIMM Module

Table of contents

Question

Why do we see POST Error 209 - Unsupported DIMM Configuration Detected - Installed DIMM configuration does NOT support configured AMP Mode in IML Logs?

Answer

As per the Technical White Paper - **"MEMORY RAS TECHNOLOGIES FOR HPE PROLIANT/SYNERGY/BLADE GEN10 SERVERS WITH INTEL XEON SCALABLE PROCESSORS"** starting with ROM revision 1.50, HPE Fast Fault Tolerance is enabled by default for all Workload Profiles with the exception of the Low Latency Profile.

Minimum requirements for configuring the server in Fast Fault Tolerance Mode are -

- **There must be a minimum of two ranks on each populated channel.**
- Furthermore, only HPE Smart Memory in x4 organization can be used.

In order to eliminate this error perform the following steps -
Install the recommended memory modules as per the minimum requirement for Fast Fault Tolerance Mode.
(Or)
Change the AMP Mode to Advanced ECC from RBSU.

Refer to Technical White Paper for Memory RAS technologies Gen10 Servers - https://www.hpe.com/h20195/V2/Getdocument.aspx?docname=4AA4-3490ENW