




The VIP functionality for EDF's NFSv3/NFSv4/Object-Store services is not working on Ubuntu 20.04

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Issue

The VIP functionality for EDF's NFSv3/NFSv4/Object-Store services is not working on Ubuntu 20.04. The other OS like Ubuntu 18/Ubuntu 22/RHEL works fine.

Environment

HPE Ezmeral Data Fabric NFS & Object Store

Ubuntu 20.04

Cause

Ezmeral Data Fabric services like NFSv3/NFSv4/S3 use the /usr/bin/arping utility in VIP management. While bringing up the VIP, arping tries to send gratuitous ARP for updating of the VIP to mac cache (probing). This arping utility is getting stuck in Ubuntu 20.04 but works fine in Ubuntu 18 and 22. This 'stuck' behavior causes VIP assignment/relinquish to fail.

Resolution

Code Fix: In nfs4mon_if_script.pl/nfsmon_if_script.pl/s3mon_if_script.pl, we have added the "-c 10" option to the arping command for Ubuntu 20.04. This will unblock the arping command after 10 attempts.

Patch Information: Please upgrade to the below patches to obtain the fix.

For v7.1.0-EBF cluster, please upgrade to patch 7.1.0.17 or later.
For v7.2.0-EBF cluster, please upgrade to patch 7.2.0.31 or later.
For v7.4.0-EBF cluster, please upgrade to patch 7.4.0.15 or later.
For v7.5.0-EBF cluster, please upgrade to patch 7.5.0.15 or later.
For v7.6.1-EBF cluster, please upgrade to patch 7.6.1.11 or later.
For v7.8.0-EBF cluster, please upgrade to patch 7.8.0.4 or later.
For v7.9.0-EBF cluster, please upgrade to patch 7.9.0.1 or later.

