

Multicast in the Data Center Overview

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mboned charter

“Receive regular reports on the current state of the deployment of multicast technology. Create "practice and experience" documents that capture the experience of those who have deployed and are deploying various multicast technologies.”

Draft motivation

Discussion about multicast in ARMD

- Multicast not enabled in the DC, doesn't work.
 - HW has significant problems with mcast
 - Doesn't scale
- Multicast is vital in the DC
 - If vital, how is multicast being used?
- Useful to have a taxonomy of the different DC applications that are using multicast

Status Update

- New rev: -03
- New co-author: Olufemi Komolafe
- Significant re-write and re-structuring
 - Drivers for multicast usage in DCs
 - Usage of conventional L2 and L3 multicast in DCs
 - Alternative approaches for handling P2MP traffic in DCs
 - Observations and suggestions

Next Step

- Please review and provide feedback on the list
- Will update again then seek wglc.