Multicast in the Data Center

draft-ietf-mboned-dc-deploy-02
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.”
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
Multicast Apps in the DC

Windows Media Servers
Publish and Subscribe
Market Data
IPTV
VRRP
Overlays (VxLAN, NvGRE)
Compute system monitoring (Ganglia)
Windows Server cluster node exchange
Others...
Multicast Challenges in the DC

Broadcasts when igmp/mld snooping not config’d
VRRP chatty heartbeats
Overlay scaling
VM scaling
Others?
request of mboned

Seeking a co-author
Seeking feedback on various mcast DC apps
Consider authoring similar docs for SP, ENT, SMB, Campus, **wireless**...