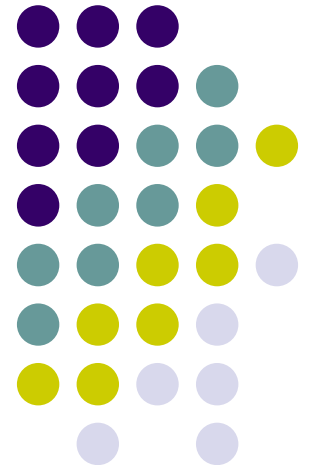


GEANT IPv6 multicast testing

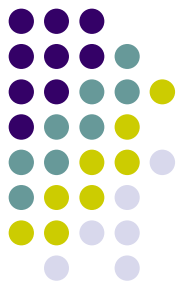
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Background



- IPv6 multicast recently introduced in GEANT
- About 8 NRNs (?) now get IPv6 multicast through GEANT
 - Some native using production links
 - Some tunneling to nearest GEANT PoP
- We should check that multicast really works as expected
 - This requires cooperation between different multicast enabled NRNs
 - We want to test connectivity between NRNs
 - Possibly between NRN members/customers



How to test?

- Beacons
 - Dbeacon, Java beacon, others supporting IPv6? Does new NLANR beacon support IPv6?
- ssm ping
 - This can be used to verify SSM connectivity
 - And also building of SPT for ASM groups. Doesn't require RP
- GEANT looking glass
 - Now allows to check multicast state
- Applications
 - Can someone provide multicast content? Not much available
 - Check that can receive streams
 - Conferencing tests?
- Other suggestions?

Who can take part in tests?



- We need people to take part?
- Hope that at least NRNs that have multicast through GEANT can take part
 - You want to know that your multicast connectivity works, right?
- More NRNs interested?
 - Any GEANT partner can get multicast
- Also looking for end sites (universities etc) that get multicast from their NRN to take part