

# ISP IPv6 Deployment Scenarios in Broadband Access Networks

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draft-asadullah-v6ops-bb-deployment-scenarios-01.txt

The intentions were:

- Informational + underline deployment issues
- Complement the ISP scenarios (draft-ietf-v6ops-isp-scenarios-analysis) with detailed information on deploying IPv6 for broadband access
- Present deployed scenarios as well as possible scenarios
- The original intent was to focus on native deployment.

## The approach:

- Run through the current options and deployment models in IPv4 -> show if and how they are similarly applicable to or implement-able in IPv6
- Followed the approach of “draft-mickles-v6ops-isp-cases-05.txt” and we made our case on per access technology type: Cable, DSL, Ethernet/FTTH, Wireless.
- Present aspects of deploying: unicast, multicast, QoS, security, network management. Some sections could use more information.

The approach continued:

- Cable (DOCSIS 2.0) has limitations so tunneling was discussed as best option for now. That opened the door to tunneling. List feedback indicated interest in an expanded discussion on it.
- Discuss co-existence and mixed deployment models for IPv4 and IPv6

## Next Steps

- Poll the interest in this work as a practical guide, a detailed complement of the ISP scenarios draft.
- Solicit feedback on the second version
- Solicit suggestions on how to make it more useful and information to make it more complete.