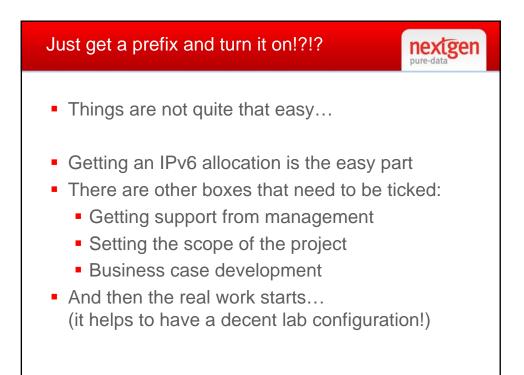
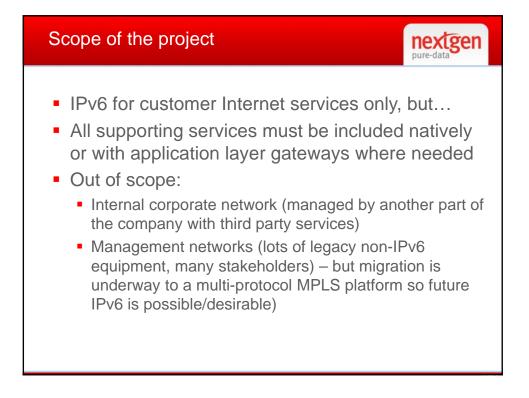
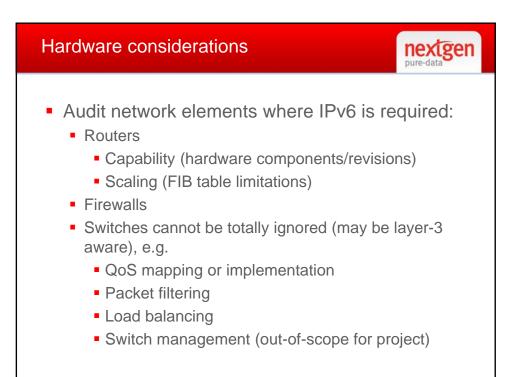
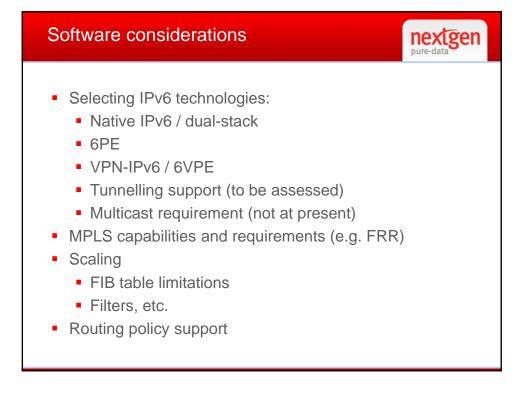


Agenda	nextgen pure-data
<ul> <li>Nextgen Network's strategy         <ul> <li>Just get a prefix and turn it on!?!?</li> <li>Scope of the project</li> <li>Hardware considerations</li> <li>Software considerations</li> </ul> </li> <li>Designing the solution         <ul> <li>Address planning</li> <li>Network configuration</li> <li>Network security</li> <li>OSS and BSS support</li> </ul> </li> <li>Product delivery         <ul> <li>Peering and transit</li> <li>Product synergy</li> <li>Selling the solution</li> </ul> </li> </ul>	









nexigen

## Address planning

- Typical IPv6 assignment is /32 (this provides an equivalent number of subnets as hosts in the IPv4-Internet)
- Spend some time analysing requirements:
  - Infrastructure
  - Geographic/topological aggregation capability
  - Plan types of assignments (within reason):
    - /64 links and small customers
    - /56 medium customers
    - /48 large customers
  - Permit demand-driven expansion of either of the above
    - 16 x /36 'regions' with /40 for assignments (+4 bits for growth)
      - 2,097,152 /64 links and 2,097,152 small assignments
    - 16,384 medium assignments and 128 large assignments
  - Individual requirements will vary

