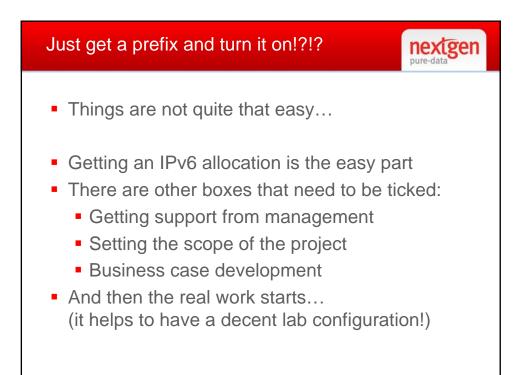
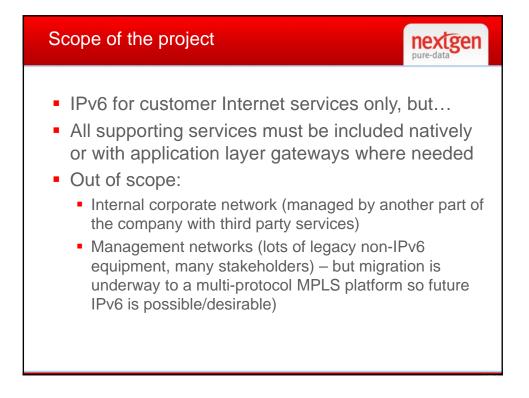
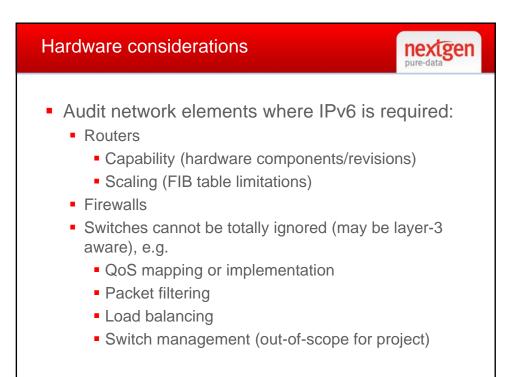
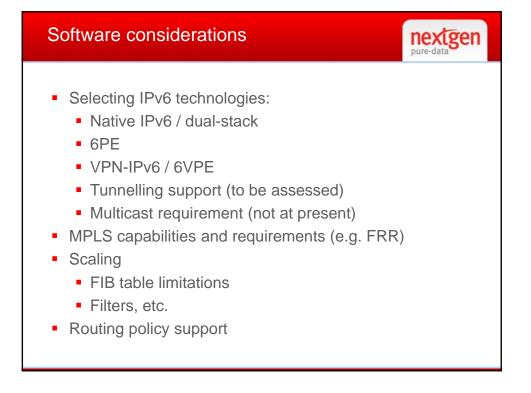


Agenda	nextgen pure-data
 Nextgen Network's strategy Just get a prefix and turn it on!?!? Scope of the project Hardware considerations Software considerations Designing the solution Address planning Network configuration Network security OSS and BSS support Product delivery Peering and transit Product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









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

