

IPv6 Plans

21st November 2023
IPv6 Council
Issue 1.0

Introduction



Plusnet Broadband Network



IPv6 Trial

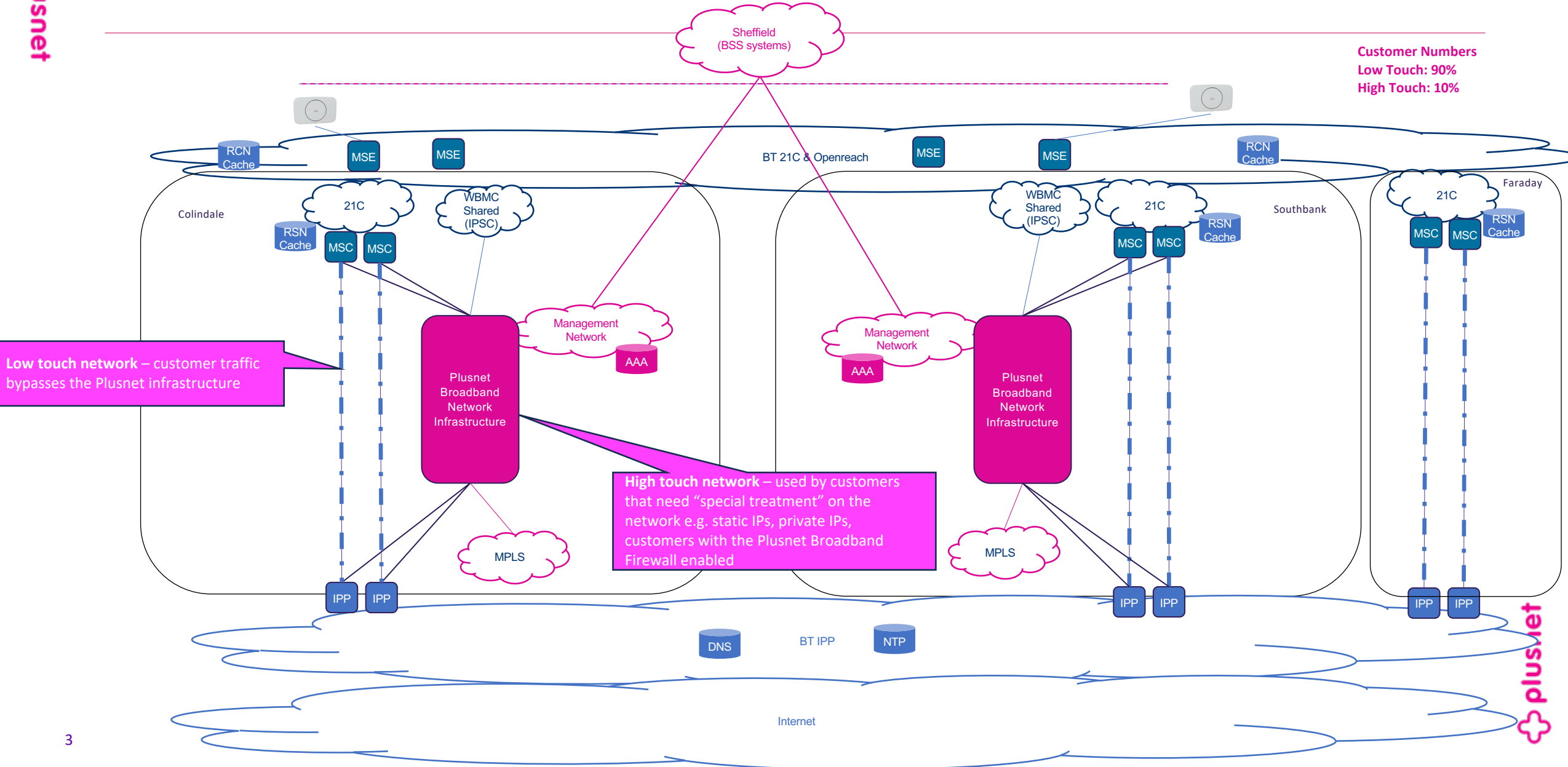


IPv6 Deployment

Plusnet Service Nodes

- Plusnet infrastructure
- BTW/21C core infrastructure
- IPP/ISP infrastructure

Customer Numbers
Low Touch: 90%
High Touch: 10%



Plusnet IPv6 Trial – Low Touch Network

Deployment Plan:

Set up connectivity

Single user test - assign a /41 statically

Low volume technical trial

- up to ~20 staff and friendly customers

- 2 MSEs in Chesterfield/Sheffield

- Each MSE to be assigned a /41

- Each customer to be assigned a dynamic /56

- AAAA DNS over IPv4

Run for ~3 months

Parallel Activities

Business readiness

Operational readiness

Help & Support information



IPv6 Low Touch Deployment – Primary Objective

Expansion to more MSEs

We already ship IPv6 ready CPE

Spread across several months



High touch network – Secondary Objective

More effort to deploy than low touch and fewer customers (hence second)

More network devices to configure

More backend and BSS systems to configure

Static IPv4 customers to be assigned static IPv6 (/56 only regardless of number of IPv4s)

Dynamic IPv4 customers to be assigned dynamic IPv6 (/56)



Public Facing Services – Tertiary Objective

Plusnet Community Site – Already live on IPv6!

More to follow...



Thank you.

