Appendix: Onion model examples

Strawman examples of how services look now (left side) and how they could be delivered in a shared by default, bespoke by exception model (right side):

Networks

Bespoke
- Research equipment related IT (specialist network requirements)
- Wired LAN (switches)
- WiFi
- Registration of endpoint devices
- Firewall management

Shared DNS management

- **Core** Network (internet connectivity - including monitoring and alerting)
- Estates security network (CCTV, alarms etc)
- FM network (meters etc)
- Wireless surveying
- Managed Wireless Service

Bespoke
- Research equipment related IT (specialist network requirements)
- Private 5G

Shared
- Wired LAN (switches)
- WiFi
- Managed Wireless Service
- DNS management
- Firewall management
- Registration of endpoint devices

- **Core** Network (internet connectivity - including monitoring and alerting)
- Estates security network (CCTV, alarms etc)
- FM network (meters etc)
- Wireless surveying

Servers

Bespoke
- File (shares) storage
- Print server management
- Print device config/management
- AV
- Endpoint procurement
- Endpoint management platform
- Endpoint identity services (local AD/LDAP etc)
- Endpoint management/configuration

Shared - None

Core
- Nexus Microsoft365 tenancy
- IAM/SSO Identity Services

Bespoke
- Endpoint procurement

Shared
- File (shares) storage
- Print server management
- Print device config/management
- AV (standards driven not technology)
- Endpoint management platform
- Identity services (inc. Nexus M365/SSO)
- Endpoint management/configuration

- **Core** - None

Endpoints

Bespoke
- Server rooms
- Storage system management
- Storage allocation
- Server procure/provision (physical & virtual)
- Server maintenance (physical)
- Research server management
- Application (non-research) server mgmt.
- Virtual hypervisor/cloud tenant mgmt.

Shared - None

Core
- University Shared Data Centre
- University Private Cloud
- HPC (ARC/BMRC/other?)

Bespoke
- Research server Management
- Application server management

Shared
- Storage system management
- Storage allocation
- Server procure/provision (physical & virtual)
- Server maintenance (physical)
- Virtual hypervisor/cloud tenant mgmt.

Core
- Data Centres
- HPC (ARC/BMRC/other?)