

# Network Infrastructure

From the very beginning of the computing revolution, there has been the urge to connect everything, hence the **on-premises** network with it's own **intranet** and of course the **internet** where everyone is connected.

We have been installing private networks since their introduction, including coaxial, twisted pair, fibre optic and wireless based configurations.

As Benjamin Franklin once said "Without continual growth and progress, such words as improvement, achievement and success have no meaning". Hence, the move towards a mobile-first, cloud-first world and whether we like it not, there is no stopping this trend.

However, where **legal compliance** is a **necessity** rather than a **choice**, on-premises networks are probably here to stay, at least until businesses are able to rely on the **security, reliability** and **robustness** of the **cloud** infrastructure. **Breaches** in **security** at some very well known organisations over the past few years has indicated how difficult it is to be totally sure our **data** is **safe** in others hands.

Our portfolio of networking projects is wide ranging but in recent years we have concentrated on providing reliable well supported products such as **Hewlett Packard Servers** and **Laser Printers** combined with **Microsoft Windows Server Software**.

Whilst we cannot claim to have created **data centres** we certainly have recommended that our clients look more closely at running multiple servers in **climate controlled rooms**. Too many people underestimate how bad heat can be for a computer system no matter how small the setup.

We have clients running one or more servers, including **Exchange** for Email, **SQL** for Database Applications and **RDP** (Remote Desktop Services) some with redundancy built-in, others partially relying on the cloud or in a hybrid scenario.

To make sure our clients' applications and data are secure we recommend and can supply products made by **Sophos**, a company dedicated to providing businesses with high quality security software and hardware. If the likes of **Ford, Xerox, Avis, Toshiba** and **Pixar** can rely on **Sophos**, then rest assured we feel you can too.