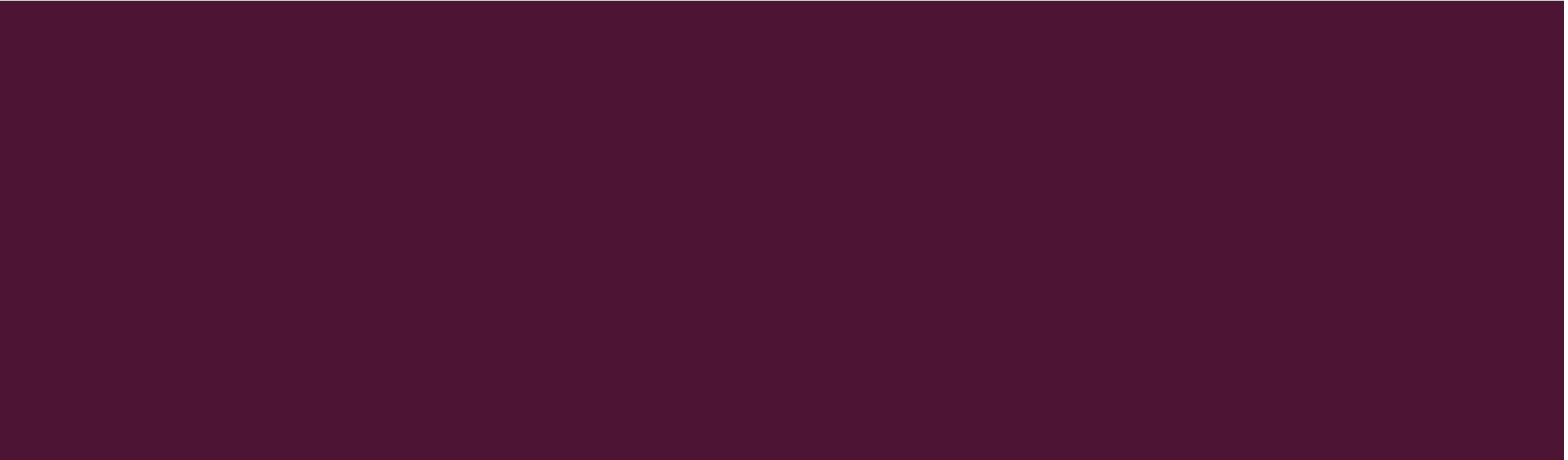




WORLD WIDE WEB

BRIEF BACKGROUND AND HISTORY BY MARK GILLAN



THE NET :THE WEB

The Internet

- First conceived in late 1950's after USSR launched their space program
- Originally DARPA NET, within USA for military purposes
- Later became ARPANET and less military orientated with the network expanding into what we now know as the internet
- The Internet is a network of networked computers
- The Internet is the hardware with various communication types. Some of the first methods of communicating over the internet: Newsgroups, E-mail, Internet Relay Chat (IRC), File Transfer Protocol (FTP) ...The web came much later in time!

The World Wide Web

- Idea came from Sir Tim Berners-Lee who worked at CERN in Switzerland, the organisation for particle research
- First web browsers arrive on the scene just after 1985 and really took off in the early 1990's
- Relatively new communication method via the network (Internet) and incorporates various other communication methods
- World Wide Web is the ability to communicate multimedia computer files via software known as web browsers, such as Microsoft Internet Explorer
- World Wide Web is truly global

THE KEY MOMENTS IN INTERNET HISTORY

- 1957 USSR launches Sputnik, the world's first satellite, in response USA forms Advanced Research Projects Agency (ARPA)
- 1962 ARPA sponsors study on “cooperative network of time sharing computers”
- 1967 ARPANET first design plan published
- 1969 First 4 nodes set up for ARPANET
- 1972 Ray Tomlinson modifies e-mail program. The “at” group agree the use of the ‘@’ symbol for e-mail addresses
- 1973 Vinton Cerf and Bob Kahn present basic ‘Internet’ ideas. ARPA report shows 75% of all ARPANET traffic as e-mail. First international node hooked up.
- 1986 Internet Engineering Task Force (IETF) and Internet Research Task Force (IRTF) established. NSFNET created and is the backbone for 56Kbps network.
- 1987 Internet Assigned Numbers Authority (IANA) established. Internet Relay Chat developed

THE KEY MOMENTS IN WEB HISTORY

- 1989 ARPANET decommissioned - NSFNET. Tim Berners-Lee of CERN develops a new technique for distributing data using hyperlinks and names it the World Wide Web
- 1992 Internet Society (ISOC) chartered in January. Over 1,000,000 hosts online.
- 1993 Businesses and the media take notice of the internet.
Web browser (Mosaic) takes shape online in April. The Web accounts for only 1% of online data transfers.
- 1994 The World Wide Web becomes the second most used service on the internet
(FTP – File Transfer Protocol remains number one)
- 1995 The World Wide Web becomes the most used service through the internet. Netscape and Microsoft web browser wars begin.
- 1998 Google opens its first office

THE NET AND THE WEB

- The concept of the Internet was first conceived in the late 1950's
- The idea of adapting networks to “the internet” is discussed in 1973
- Hyperlink system that would later become an important development is realised in 1989
- The first web browser takes shape in April 1993
- World Wide Web consists of only 1% of data upon the internet in early 1994
- The web becomes the internet's most used service in 1995
- Google opens its first office and commences operation in 1998