

# CSC309 - Winter 2017

## Lab 8 - Hosting



# Web Hosting Services



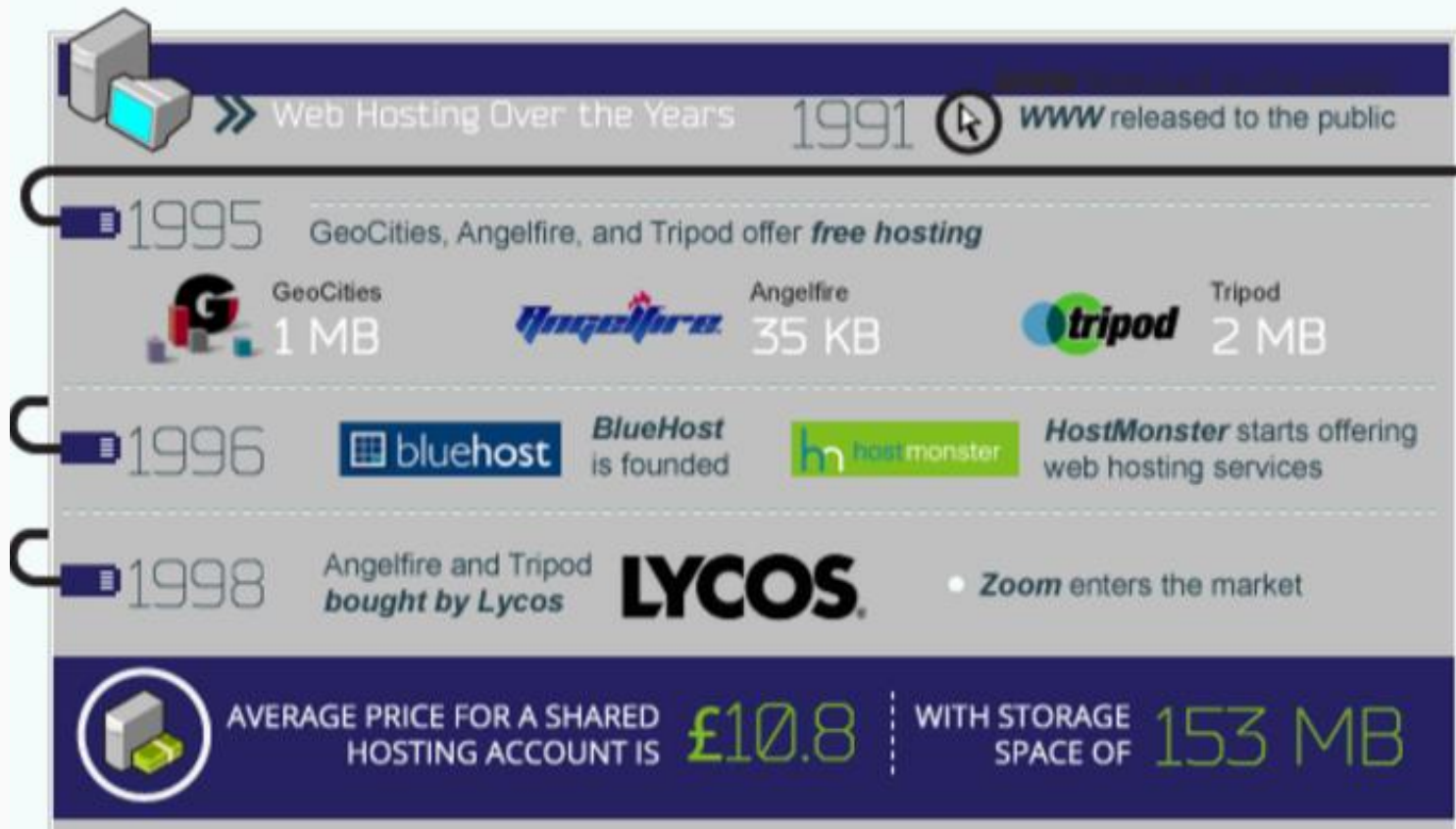
- allows individuals and organizations to make their website accessible via the World Wide Web

# History 101



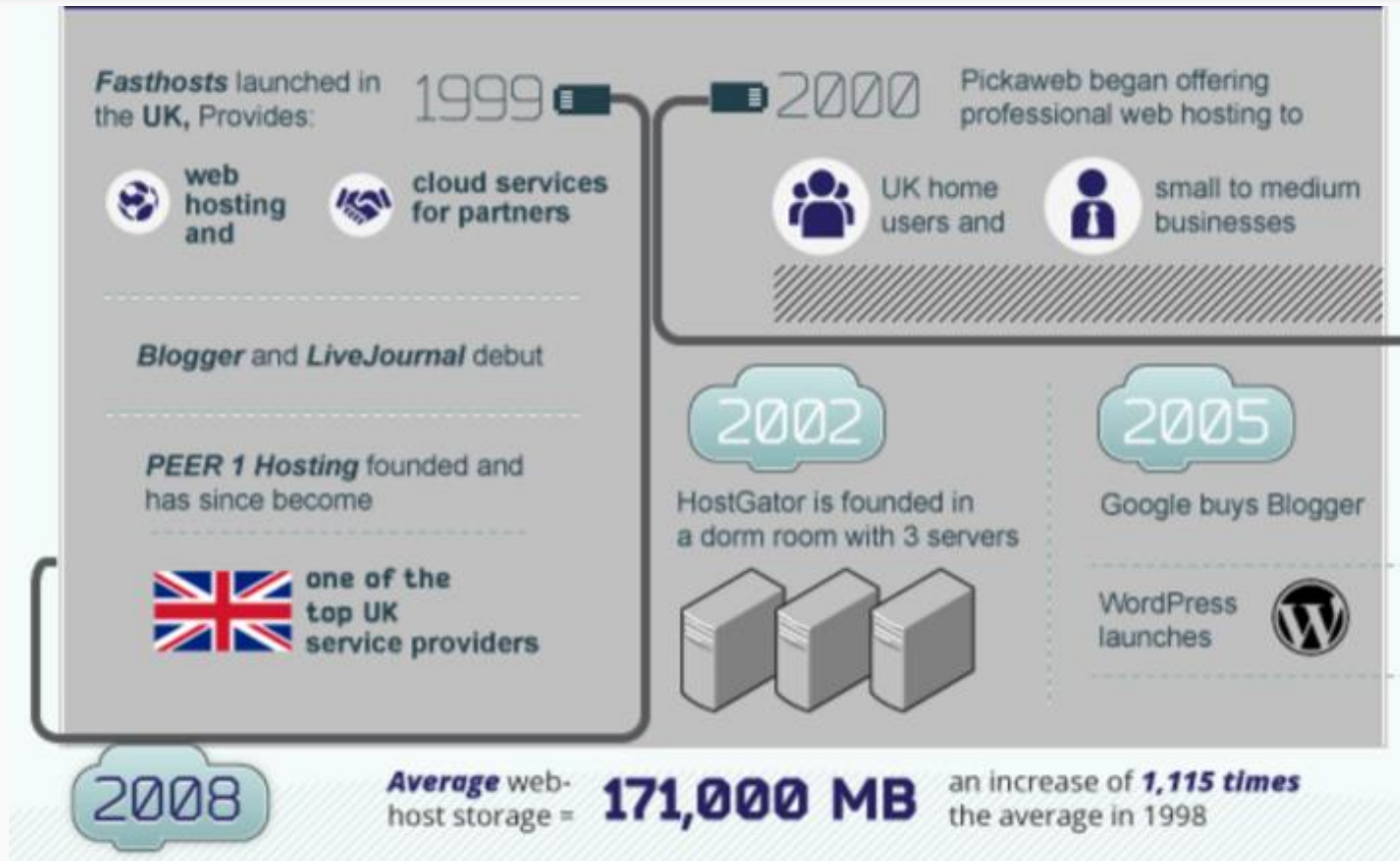
- Until 1991, Internet was for research & education in science/eng
- - email, telnet, FTP, USENET,
- Tiny number of web pages
- WWW protocols had only just been written
- Graphical web browsers not until end of 1993

# History 101



- Servers are expensive and challenging to maintain

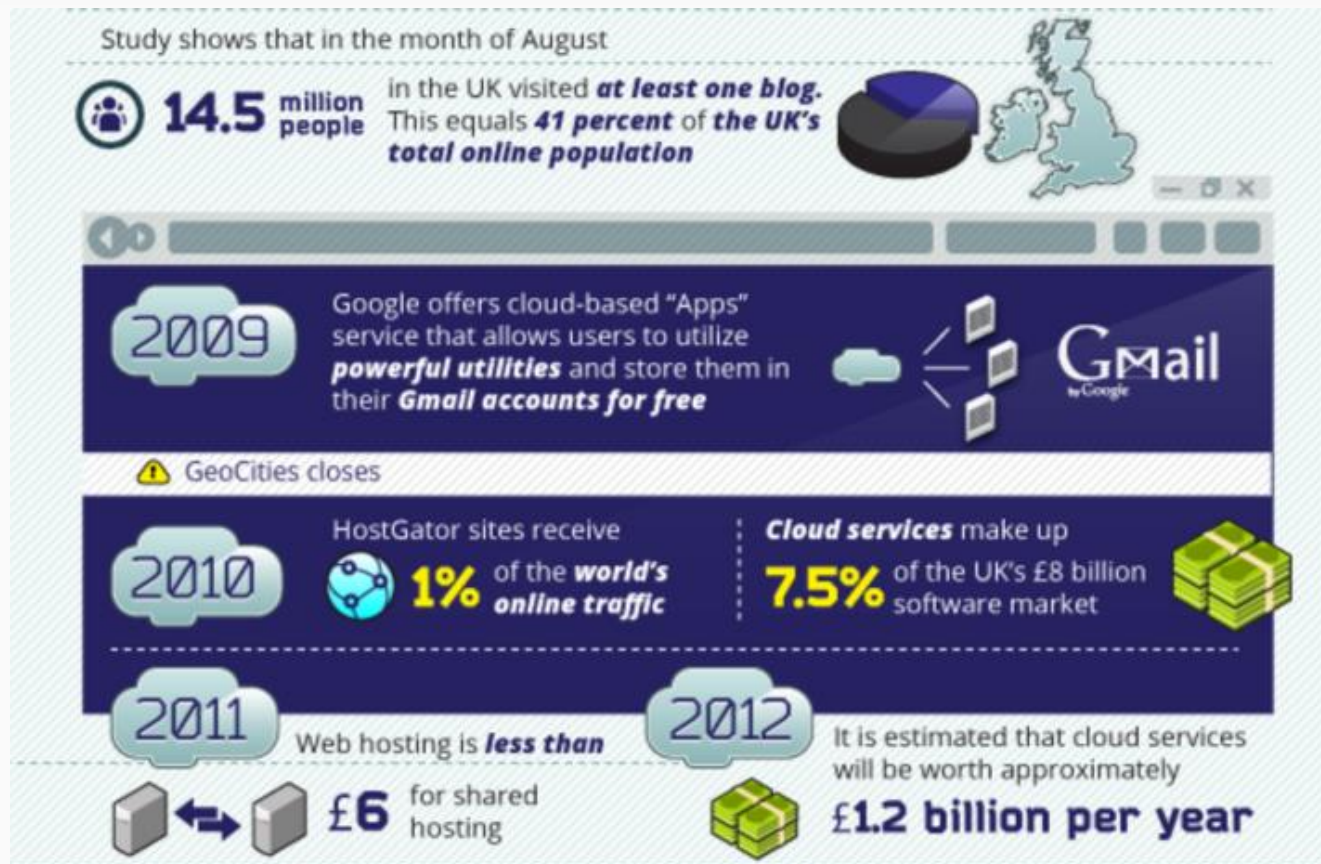
# History 101



- Then GoDaddy and ITX Design




# History 101



- Demand for affordable web hosting goes up
- High costs of web hosting went down
- Market competition = competitive, user-friendly prices & features

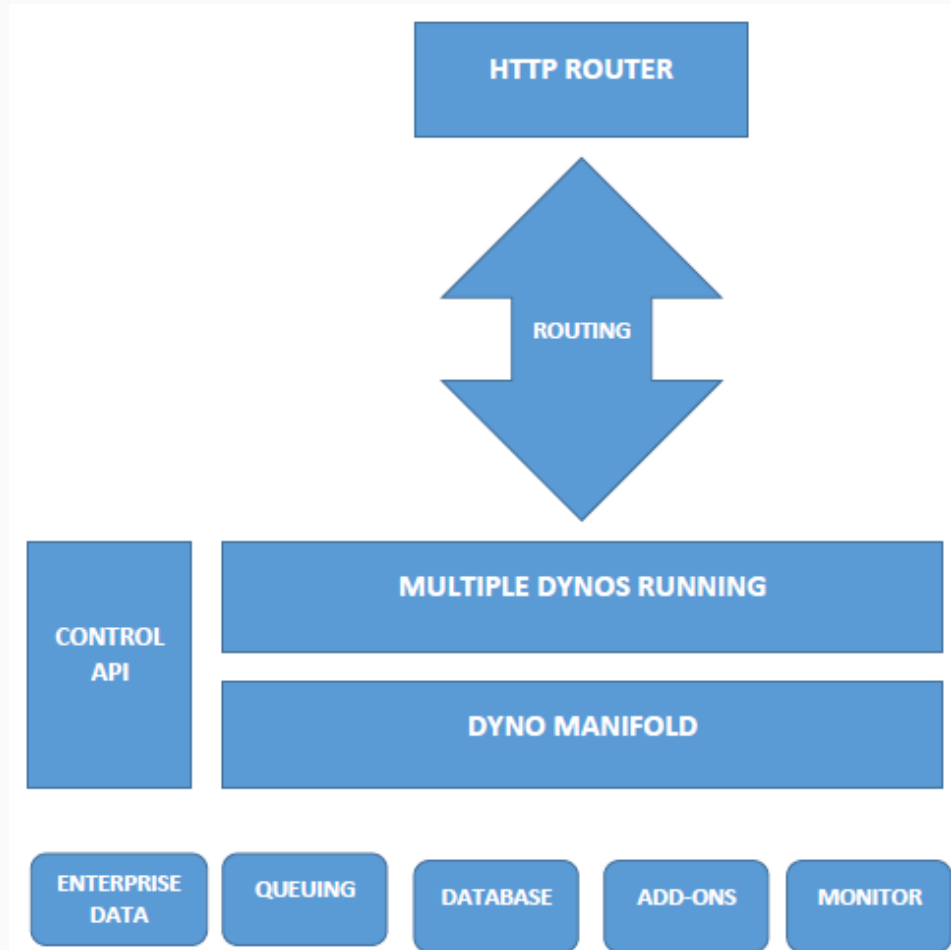
# Types of Hosting

Feature	Free	Shared	VPS	Dedicated	Cloud
Managed / Unmanaged	Managed	Managed	Either	Either	Either
IP address	Shared	Shared	Private	Private	Private
Complexity					
Security					
Control					
Cost					Flexible

- **Free:** You get what you pay for
- **Shared:** Your website shares a server with many other sites
- **VPS:** Virtual Private Server, divides server resources into virtual servers, where resources can be allocated in a way that does not directly reflect the underlying hardware.
- **Dedicated:** the user gets his or her own Web server and gains full control over it (root access); however, the user typically does not own the server. It's leased.
- **Cloud:** A flexible type of hosting based on a network of servers which allows you to increase or decrease system resources on the fly based on the amount of users visiting your website at any given moment.

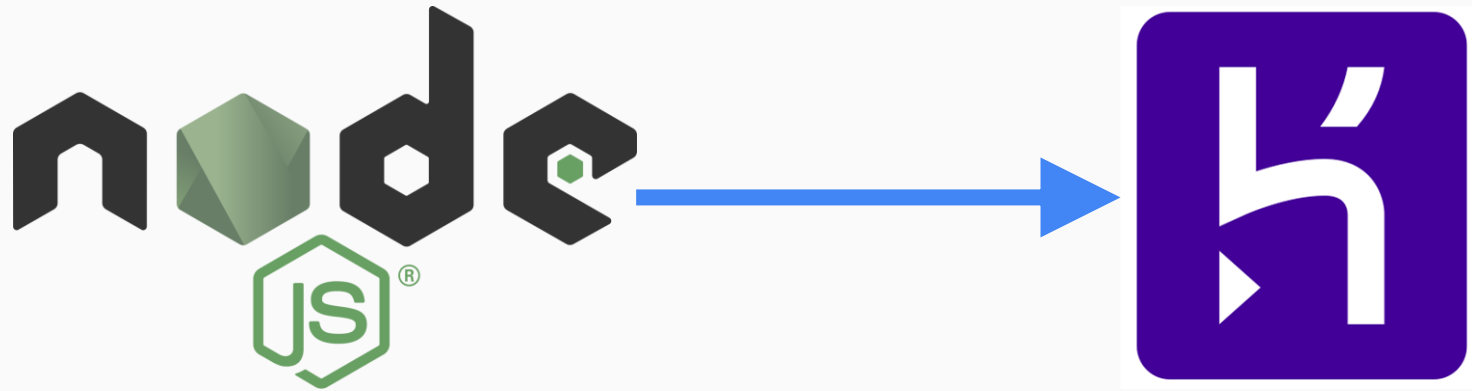
# Hosting In The Cloud

- Heroku is a cloud Platform-as-a-Service (PaaS) supporting several programming languages.
- Since June 2007
- Supports Java, Node.js, Scala, Clojure, Python, PHP, and Go.
- Polyglot platform - lets the developer build, run and scale applications in a similar manner across all the languages.





# Deploying your Chat App in Heroku



- Make an account on heroku.
- Download and install the heroku-cli as per your environment. **CDF machine users should install the standalone version**
- Make the changes as per the codelab.
- Deploy (Demo App: <https://goo.gl/O4MS2W>)

# Quiz Time

# References

1. <http://www.biztechmagazine.com/article/2012/02/history-web-hosting-infographic>