1. The difference between shared servers and dedicated servers is in the name. A dedicated server is a server solely for you, whereas a shared server is shared by other users. A dedicated server is beneficial when it comes to security because you don’t have to worry about mistakes made by other users. You will also have more bandwidth and storage because you are not sharing. A shared server is a popular choice for people just starting out with a website. This takes place in a managed environment with tasks such as security monitoring, software updates, and server maintenance being performed by the host provider.
2. A cloud server is a virtual server that runs on a cloud computing environment. Benefits of this include the freedom to modify the server software to your needs, security from other cloud users, more resources for similar cost of traditional server, more affordability to upgrade. An example of a cloud server is Amazon EC2.
3. Two advantages of a cloud server over a shared server are security from other users not having access to your server and you have the ability to pay for only what you use. Two disadvantages are it requires advanced IT knowledge and it is potentially insecure.
4. A domain name is a unique name that identifies an IP address. An example of a domain name is google.com.
5. There are advantages to having your domain name and web host with separate companies. If you decide to switch host, you just have to move your files from your web site to a new one. If your web host gets hacked, you can probably solve the issue without it affecting your domain. You can also have increased security and file management with a separate company.
6. DNS propogation is the 24-72 hours that it takes to update the nameservers for a domain.
7. An IP address is the set of numbers for every computer/server connected to the internet. A domain name is the address entered that points to the IP address.
8. Domain Name Servers (DNS) match domain names to their associated IP address.
9. After searching around, Namecheap has come up quite a bit as a good company to purchase a domain name from.
10. A subdomain is a web address that is created by adding a third-level domain to your existing domain name, for example, mail.google.com. Advantages of subdomains are they are free, simple to add, and they can increase your online presence.