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| --- | --- | --- | --- |
| Computer Systems 25 – Protocols | |  | Computer Systems 26 – Hardware |
| http versus https http is a request response protocol….so we can ask for a web page and the server can respond. https means the request and information between the client and server is **encrypted and so is secure.** TCP Ensure binary information is transferred accurately between computers. The information is transported in packets (chunks) of data, TCP tracks these and makes sure they are transmitted in the same order. IP The address on the network of a machine. Every machine attached to the internet has a unique IP address. WIFI Radio wave technology that manages the flow of data around a WIFI network like your house or the school. | | Internet Hardware We need lots of components to make the internet function the way we want. To move data we need   * **Gateways** – Connects networks with different protocols (like two different companies) * **Routers** – forward data through networks. Website – your router – laptop * **Network Bridges** – Creates one network from many * **Network Switches** – Only send data to the right devices * **Repeaters** – Retransmit data repeatedly so it can travel long distances-fibre optics   Cloud computing – storing, processing, and accessing data over the internet. |
|  | | This allows people and companies to be “elastic”…..you only pay for amount you need. |
|  | |  |  |
| Computer Systems 27 - Definitions | |  | Computer Systems 28 – Exam Qs |
| IP |  |  | **Table  Description automatically generatedGraphical user interface, text, application, email  Description automatically generated** |
| WIFI |  |
| Gateway |  |
| Routers |  |
| Network Bridges |  |
| Network Switches |  |
| Repeaters |  |

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| Date of revision 1\_\_\_\_\_\_\_\_\_\_Date of revision 2\_\_\_\_\_\_\_\_\_\_Date of revision 3\_\_\_\_\_\_\_\_\_\_ | |  | Date of revision 1\_\_\_\_\_\_\_\_\_\_Date of revision 2\_\_\_\_\_\_\_\_\_\_Date of revision 3\_\_\_\_\_\_\_\_\_\_ | |
|  | How well did you remember this information? |  | How well did you remember this information? |
| Revision 1  Revision 2  Revision 3 | | Revision 1  Revision 2  Revision 3 | |
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| Date of revision 1\_\_\_\_\_\_\_\_\_\_Date of revision 2\_\_\_\_\_\_\_\_\_\_Date of revision 3\_\_\_\_\_\_\_\_\_\_ | |  | Date of revision 1\_\_\_\_\_\_\_\_\_\_Date of revision 2\_\_\_\_\_\_\_\_\_\_Date of revision 3\_\_\_\_\_\_\_\_\_\_ | |
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| Revision 1  Revision 2  Revision 3 | | Revision 1  Revision 2  Revision 3 | |