|  |  |
| --- | --- |
| Front: **Hypertext Transfer Protocol – Secure (HTTPS)**  **OBJ 2.1** | Front: **Server Message Block (SMB)**  **OBJ 2.1** |
| Front: **Remote Desktop Protocol (RDP)**  **OBJ 2.1** | Front: **Trivial File Transfer Protocol (TFTP)**  **OBJ 2.1** |
| Front: **(TCP) Transmission Control Protocol**  **– Connection-Oriented**  **OBJ 2.1** | Front: **(UDP) User Datagram Protocol - Connectionless** |

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| Back:  **- port 445**  **- used for windows file and printer sharing services** | Back: **port 443**  **used as secure and encrypted version**  **of web browsing**  **- SSL (Secure Socket Layer)**  **- TLS (Transport Layer Security)** |
| Back:  **- ports 69**  **- connectionless protocol that uses UDP as its transport** | Back: **- port 3389**  **- provides graphical remote control of**  **another client or server**  **- RDP provides a full graphical**  **user interface** |
| Back:  **- Audio, video streaming, DHCP, and TFTP**  **- not reliable**  **- connectionless**  **- no retransmission & no windowing**  **- w/o sequencing**  **- w/o acknowledgement**  **- transmits in segments called data grams** | Back:  **- SSH, HTTP, or HTTPS**  **- reliable (3-way handshake), reliable**  **way to transport segments across the network**  **- connection-oriented**  **- segment retransmission & flow**  **control (windowing)**  **- with segmentation of sequencing**  **- with acknowledgement** |