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[https://www.100test.com/kao\\_ti2020/142/2021\\_2022\\_CCNABRAIND\\_c101\\_142044.htm](https://www.100test.com/kao_ti2020/142/2021_2022_CCNABRAIND_c101_142044.htm) this is all i remember, but can give you some important information on cisco ios 11.2 commands. steps of data encapsulation: 1.user information is converted to data 2.data converted to segments 3.segments converted to packets or datagrams 4.packets and datagrams are converted to frames 5.frames are converted to bits frame types: 802.3 novell-ether default 802.2 sap ethernet\_ii arpa ethernet\_snap snap switching examines mac address. store-and-forward copies entire frame into buffer, checks for crc errors. higher latency. used by catalyst 5000 switches cut-through reads only the destination address into buffer, and forwards immediately. low latency virtual lan ' s have different ports on a switch be parts of different subnetworks. some benefits: simplify moves, adds, changes. reduce administrative costs, better control of broadcasts, tighten security, and distribute load. relocate server into secured locations. cisco ios (operating system) is stored in flash memory (eeprom) ios configuration is stored in nvram user mode ordinary tasks checking status, etc. need password depending on how you ' re entering (virtual terminal pw for telnet session, auxiliary pw for aux port, console pw for console port) conf t line vty 0 {line aux 0} {line con 0} login 100Test 下载频道开通，各类考试题目直接下载。详细请访问 [www.100test.com](http://www.100test.com)