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Cisco switch commands cheat sheet

Cheatography LevelModePrompt1User EXECDevice'gt;2Vileged EXECDevice-3Global ConfigDevice (config)#4aInterface ConfigDevice (config-if) #4bLine ConfigDevice (Config-line) Up ArrowAutomatically re-type commandCtrl-Shift-6Th). (Cancels everything he currently does) Ctrl-CExits config modeCtrl-A applies the current command and returns to priv. RULE EXECCtrl-UErases anything on the current rampartstament line abbreviated commandInformation Displayedshow version, memory capacity, etc. show Mac address-table table IP routerouting tableshow interface g0/0status, MAC, IP, etc. for Gigabit Ethernet 0/0show IP interface short name, IP, status, etc. (all interfaces) CommandFrom ModeFunctionsdm to double defglobal configused if the switch will not accept IPv6 address ShortCommandComplete Commandfunctionenableuser EXEC qgt; EXECconf tconfig terminalpriv. EXEC's global configintinterfaceglobal config zgt; interface configlilineglobal config qgt; line confisgh runshow runs-configshows current confizgscop r scopy runs-config-run-configsaves current configno IP house Lono IP domain-lookupkeeps router from trying to read bad cmd as host namesera star Tab'erase launch-configmusT to use after laboratories to reset the router configs!del vlan.datdelete vlan.datMUST to use after the lab to reset the router configs! CommandFrom ModeWhat doeshostname xyzglobal configsets host-name xyzenable secret xyzglobal configsets encrypted password for priv. EXEC to xyzservice password-encryptglobal configencrypts all passwordsline console 0global configenters line config mode for console vty 0 15global configenters line config mode for 16 vty linepassword to xyzloginline configenables users loginint vlan 1global configenters interface config mode for vlan1ip address IP subnet interface configsets IP address shutinterface configturns on interfacebanner motd #Text qlt'1; qgt; Here'global configsets motd banner CommandFrom ModeFunctioninterface g0/1global configenters interface config for Gigabit Ethernet 0/1ip address IP/prefixinterface configsets interface IPv4 address shutfaceinter configturns on interfacescription text description Information about interfaceipv6 IP address / prefixinterface configsets interface IPv6 addressipv6 address IP/prefix link-localinterface configsets interface IPv6 link-local addressipv6 unicast-routingglobal configenables iPv6 routing team of beginner intermediate cisco network iOS cli We offset our carbon use with Ecologi. Click on the link below to help us! ; 2 Pages Your download will start automatically in 5 Seconds.Close Here are some quick notes I have to update my memory on setting cisco switches. Feel free to send me any comments or suggestions. Password Recovery Fast Links Cisco 2900XL series switches - tried this on 2912XL, and the instructions don't quite work. Flash: There is a file called a word that must be either renamed or deleted, as well as to restore the password to work. Also, I used to not include a secret and not include a password as well. This does not apply to 2950XL switches. Добавление IP-адреса к типу коммутатора позволяет ввести интерфейс типа терминала vlan lan 3 1 тип ne IP-адрес Настройка интерфейсов и типов портов позволяют ввести режим привилегий типа конфигурации терминала типа интерфейса fastethernet0 / порт - порт - имеет важное значение, иначе Неполная команда приведет к типу дуплексного авто - авто-обнаружение полный дуплекс / половина дуплексного типа скорости авто - автоматическое обнаружение 10/100/1000 скоростей типа spanning-tree portfast - ускоряет (много) время, необходимое для порта, чтобы добраться до режима перепрода.. Note: Use only if the server/workstation is connected to that port, which may prevent the Spanning-Tree protocol from detecting and disabling loops on the network. Setting up multiple ports at the same time it turns out there is no way to specify the range of IP addresses for my old iOS switches. However, a quick shell script can quickly generate commands for me to copy/paste into the terminal. > i-1; While $i -lt 25; Do Echo int fast0/$i; Echo the speed of the car; Echo of the duplex of the car; Echo flyby of the portfast; Let i'1; Done; From: Can I set the speed and duplex at all Catalyst switch ports at the same time or do I need to set up each port individually? It depends on the switch platform that you have in mind. If you're working with the Cisco switch that works Cat OS, then you can. You can customize ports that are consistent and not consistent all at the same time. Here are a few examples to do this. Install the duplex port 2/1-20, 2/22 full port speed set 2/2-12, 2/15-16 100 If you are working with the Cisco switch that runs iOS, then you should be a little creative. You don't have the same CLI options to set up multiple ports at the same time as the Cisco iOS switch. You have a few options though. The easiest way to do this configuration is to create a text file, for example, in a VI or notepad. Once you create statements in the text editor, just copy and paste the lines into the CLI. Here's an example of a text that can be copied in CLI. customize the interface of the fastethernet terminal 1/1 speed 100 duplex full fastethernet interface 1/2 speed 100 duplex full interface fastethernet 1/3 speed 100 duplex full ...... The text is omitted by the end! To return to the privileged mode of the show running-config ! To test the configuration, the new iOS switches allow you to set up multiple ports at the same time. The interface range team works across all platforms, and Cisco iOS Release 12.0 (7)XE, Release 12.1 E and Release 12.1(5)T. In interface range configuration mode, you can customize multiple interfaces with the same configuration parameters. Once you enter the interface range configuration mode, all the command options you enter are attributed to all interfaces in this range before you exit the interface range configuration mode. Here's an example of using a command: Note that space before the dash is required. router (configuration) interface range fastethernet 5/1 - 5, gigabitethernet 1/1 - 2 router (configuration-if) router (configuration-if) speed 100 router (configuration-if) duplex full router (configuration-if) not off You can also use SNMP and GUI switch to complete this configuration. Although I find the easier way to do is to create a text file. Assign ports for VLAN to 2900 switches from Cisco Documentation to customize the terminal interface name switchport access mode vlan (num) end of the show running-config Customization password telnet Incorporating SNMP to include the privileges of the terminal snmp-server community RO password - sets the community line with Read Only privileges. or no snmp-server community password - deletes the community line. Search MAC Address discovered in port on Cisco WS-X2948 show cam dynamic retention configuration on 2948 Port Switch copy flash configuration should be asked, If flashdevice is a bootflash, hit Enter Ask if the name to copy is: myswitch.cfg, enter Y boot-configuration download kit bootflash:myswitch.cfg There may be warnings like: nvram configurations can be lost during the next download, and reconfigured with the help of the file (s) indicated. They can be ignored. It's just a collection of Cisco iOS basic commands to customize Ciscoswitches and routers. Cisco iOS version: (main version). (minor version (release number). (temporary number)) Id. Where id (T)echnology, (B)roadband, (E)nterprise, (S)ervice Provider,XA - Special functionality, XB. Packaging/function sets the standard: Providing basic IP routing, Improved: Full support for IPv4 routing, Advanced IP services: How improved with IPv6 support. Set up your router Just to enter user mode to get Priviliged Mode MyRouter $ allow you to access the global configuration mode MyRouter' conf t Interface Mode MyRouter (configuration) interface GigabitEthernetX / YMyRouter (config-int) Route configuration Mode MyRouter (configuration) MyRouter (configuration route) - Setting the name of the router MyRouter$ MyRouter$ conf tMyRouter (конфиг) , хост-имя XoolRouterXoolRouter (конфиг) , чтобы установить время правильно XoolRouter (конфиг) часовой пояс CET 1XoolRouter (конфиг) часы летнее время CEST повторяющиеся в прошлом Sun Mar 1:00 последнее солнце Окт 1:00 Настройка внутренних имен-серверов для использования на блоке XoolRouter (конфигурация) IP имя-сервер a.b.c.d Настройка NTP XoolRouter (конфигурация) ntp сервера a.b.c.d Установить описание порта, inttypeEthernetStackMemberNum/CardNum/PortN интерфейс GigabitEthernet0/1XoolRouter (config-int) , описание TO: UPLINK Отключить / выключить порт XoolRouter (config-int) , закрыл Установить порт в режим багажника (isl или 802.1q vlans) XoolRouter (config-int) , режим коммутатора trunkXoolRouter (config-int) , switchport ствол инкапсуляция dot1q Установить позволило vlan на интерфейсе в режиме багажника XoolRouter (config-int) switchport ствол позволил vlan добавить 100 Примечание: По умолчанию, чтобы каждый vlan. Don't forget to add up to the Vlan number oryou will deny all allowed-Vlan config on the interface! Install the native vlan on the main port, all packages are not labeled vlan blanks XoolRouter (config-int) , switchport trunk set native vlan 1 Gotcha: If the interface at the other end is in the default confit, atleast with 3560 series (switch mode dynamic auto) switches will negotiate this interface tobe barrel and therefore all packages are labeled. Install interface/port to access vlan 100 XoolRouter (config-int) accessXoolRouter switch mode (config-int) vlan 100 access switch To nullify the XoolRouter command (con Fig-int) , do not close Add IP address for the interface XoolRouter (config-int), not switchportXoolRouter (config-int) IP address a.b.c.d (netmask) relay broadcasting (e.g. to the server dhcp) XoolRouter (config-int) ip-assistant-address a.b.c.d Include routing on the switch (a.b.c.d and def gw). Note: The gateway is not used when you turn on IP routing by default. If you turn on THE IP routing without the ip 0.0.0.0 route... Team you can lose the connection to your equipment! XoolRouter (config) yp route 0.0.0.0 0.0 a.b.c.dXoolRouter (config) Yip routing Port formation Gigabit port 100Mbit XoolRouter (config)) MLS qosXo olRouter (config) » class-card match-all inXoolRouter (config-cmap) » match-access-group 110XoolRouter (config-cmap) policy-card 100mbit-inXoolRouter (confi-g-pm) class inXoolRouter (config-pmap) police 100000000 100000000 exceed the action dropXoolRouter (config-pmap) interface GigabitEthernet0/5XoolRouter (config-int) , Speed 1000XoolRouter (config-int), fullXoolRouter (config-int), service-policy 100mbit-in NOTE: Above the command where in bits while srr-turn bandwidth restriction is one of the percent of the port. So if you Gigabitport Police is anything below 10Mbit you will need to set speeds of up to 10 or 100 per port. XoolRouter (configuration-int) srr-turn bandwidth limit 10 Show an active configuration and write changes. Note: When commands can be launched in configuration mode Priviliged mode byadding the team to do up front. XoolRouter (config) do sh runXoolRouter (config) endXoolRouter write iOS update XoolRouter copy tftp://a.b.c.d/filename.bin flash: To restart the router XoolRouter reboot to restart the device when the time delay, for example, 15 minutes passed XoolRouter reboot in 15 Cancellation

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