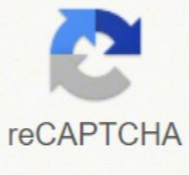




I'm not robot

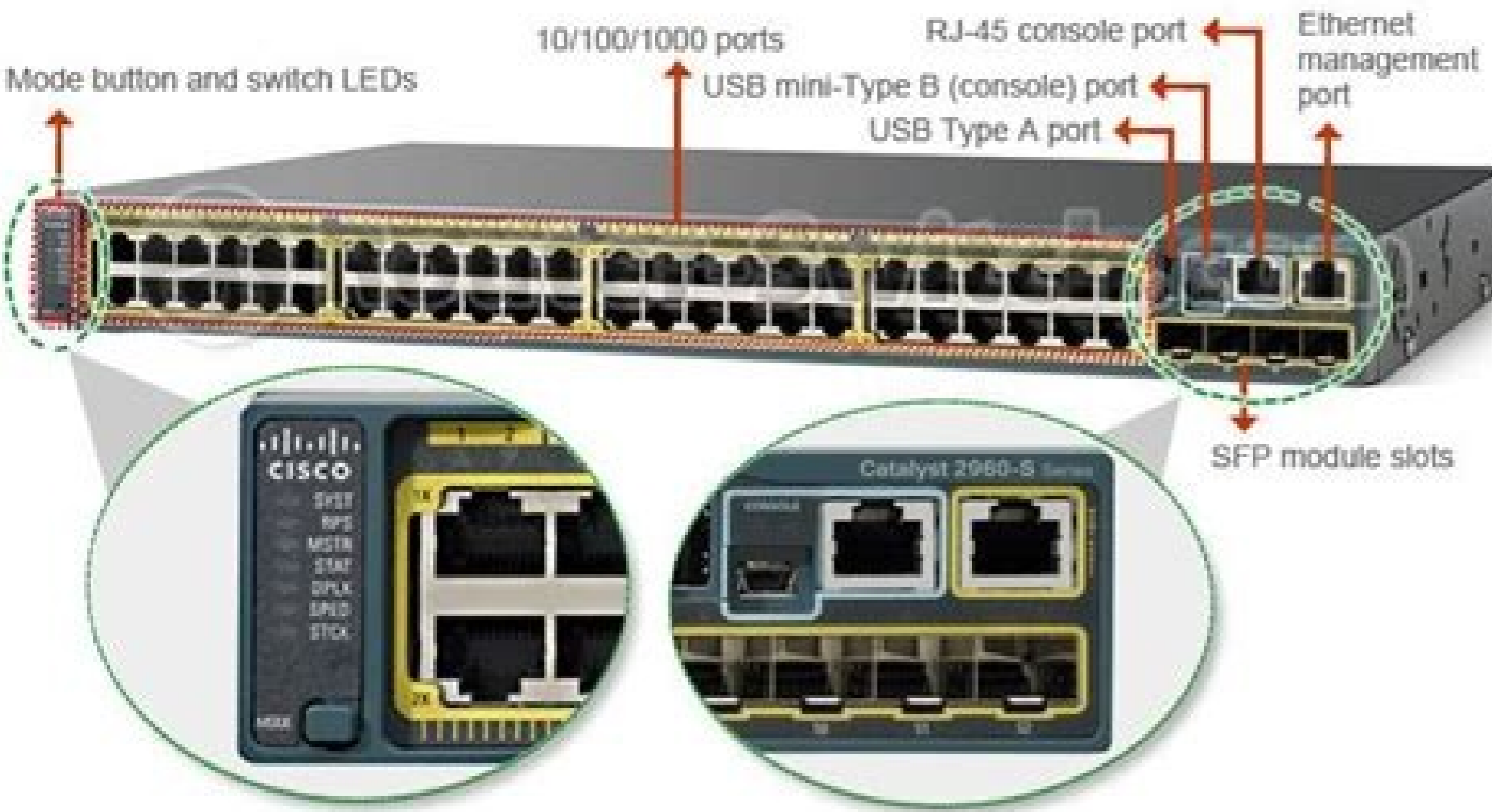


**Continue**

# Cisco 2960 xr configuration guide

## WS-C2960S-48TS-S Cisco Catalyst 2960-S Series Switch

- ✓ 48 Gigabit Ethernet ports
- ✓ Two 1G Small Form-Factor Pluggable (SFP)
- ✓ USB interfaces for management and file transfers
- ✓ LAN Base or LAN Lite Cisco IOS Software feature set
- ✓ SmartOperations tools that simplify deployment and reduce the cost of network administration



Cisco 2960x default configuration. Cisco 2960x configuration guide 15.2. Cisco 2960x configuration guide. Cisco 2960x stack cable configuration guide. Cisco 2960x setup. Cisco 2960x set time. Cisco 2960x stack configuration guide. Cisco 2960 x qos configuration guide.

Install the FlexStack-Extended Fiber module and the fiber-optic cable. (76.19 mm) Temperature around the unit does not exceed 113Â°F (45Â°C). Then connect the cable to an Ethernet port on the switch and the PC. Step 3 Download the Network Assistant installer and run it. Step 4 Enter the switch IP address that you assigned by using Express Setup. Extending Traditional FlexStack-Plus Stacks using FlexStack-Extended Modules The following image shows a mixed stack network using FlexStack-Plus, FlexStack-Extended Fiber and Hybrid modules. Note Before installing or upgrading the switch, refer to the release notes. All rights reserved. Make sure power-supply modules are securely inserted in the chassis before moving the switch. The switch detects the required cable type for copper Ethernet connections and configures the interfaces accordingly. If not, make sure that only the SYST and STAT LEDs are green before you press the Mode button to enter the Express Setup mode. These figures show the switches stacked in a vertical rack or on a table. The following topology is created by stacking switches with FlexStack-Extended Fiber modules that are deployed across different floors of a building. Power cycle the switch. Step 2 Insert one end of the FlexStack cable into the stack port of the first switch. Connect only Catalyst 2960-X or 2960-S switches in a mixed switch stack. Step 3 Make sure that nothing is connected to the switch. Statement 1008 Warning This equipment must be grounded. To achieve this, the copper port on the FlexStack-Extended Hybrid module should be connected to the FlexStack-Plus port on a switch in your existing network. Use four Phillips flat-head screws to attach the long side of the bracket to each side of the switch. Step 4 For a more advanced configuration, download and run Cisco Network Assistant, which is described in the next section. If yes, disconnect the cable from the console port. Stacking noitulos a rof kool tsrif uoy taht dnemmocer eW .jmc 6.7( sehcni 3 :tsael ta eb ot sgninepo noitalitnev eht dnuora ecnaralec wolla ,noitcirter wolfrina tneverp ot gniarW 7401 tmetatS .lataf yllausu era srorre TSOP .2 erugif .CP ruoy no nur dna moc.ocsic morf daolnwod uoy taht margorp erawtfos a si tnatissA krowteN ocsic .seludoM dednetE-kcatSxeIF gnisu seigolopot gnikaets detroppus eht snialpxe noitces sihT selbaC kcatSxeIF retem-3 dna retem-5.0 htiw sehctwS gmikcatS .hctiws eht eganam ot ti esu dna moc.ocsic morf tnatissA krowteN ocsic daolnwod uoy taht dnemmocer ylgmorts eW .sdnoces 3 tuoba retta gnknib ngeh sDEL hctiws eht .moc.ocsic no noitatnemucod RX-0692 tsylataC ocsicCX-0692 tsylataC ocsic eht ees .hctiws eht ot gnitaler noitamrofni noitarugifnoc dna noitaltansi lanoidda rof .tnaduder ERA SNOTCENOC EHT .HCTIWS EHT FO EDIS HCAE OT TEKCARB EHT FO EDIS GNOL EHT HCATTA OT SWERCS DAEH-TALF SPILLHP OWT ESU 6701 TNEMETATS .DAER YLSAE EB NAC SDEL LENAP-TNORF. Snoiildno c eseht sitem lenap raer dna tnorf hctiws eht ot ecnaraleC tem era semiledug eseht taht yfiver .hctiws eht llatsni ot erehw gniimreted nehW hctiws eht tuom-kcar ot revirdweres spillihP 2-rebmuN A .sloot yrassenec eseht niatbO .selbac eht egamad thgim taht secived rehto morf yava ylafas si gnibac eht taht erus ekaM .5 erugif ?TSOP gniimur lits saw hctiws eht elihw nottub edoM eht sserp uoy did .ecalp otni gnippans rotcecnoc eht leef uoy litnu tols hctiws eht otni ti tresni dna .sedis eht no eludom eht psarG 1A ApetS .noitatnemucod gnitohselbuort evisetne dna smelbop erawdrah nwonk fo tsil a rof etisbew noitatnemucod dna troppuS lacihceT ocsic eht ssecca osla nac uoY .notarugifnoc ruoy no sdneped elbac kcatSxeIF fo htgnel eht ?egassem rorre na ereht si a ro ,resworb eht ni sserdda gnorw EHT RETNE UOY DID .NOTTUB EDOM EHT NWOD GNIDLOH EUNITNOC .SECTIWS REHTO HTIW SKCATS DEXIM ETAERC TONNAC UOY .ELBAC KCATSXELF RETEM-5.0 EHT HTIW your problem in the troubleshooting section of the Hardware Installation Guide on Cisco.com. Push the module in completely until you feel it snap into place. If yes, reenter 10.0.0.1 in the browser, and press Enter. For 10/100/1000 fixed ports, the cable length from a switch to a connected device cannot exceed 328 feet (100 meters). For a list of supported modules, see the Cisco Catalyst 2960-X or Cisco Catalyst 2960-XR Release Notes on Cisco.com. These are reasons why you might want

to reset the switch: You installed the switch in your network and cannot connect to it, all the FlexStack-Plus module and the FlexStack cable. Access the CLI by using one of these options. Use a crossover, twisted four-pair, Category 5 cable when you connect to other switches, hubs, or repeaters. StepA 5 Press the Mode button when the SYST, MAST, and STAT LED turn green, hold the Mode button until all the LEDs next to the Mode button turn green. StepA 1 Launch a web browser on your PC or workstation. Figure 1. When connecting or disconnecting the power cord on a switch that is installed above or below a 1025-W power supply-equipped switch, you might need to remove the module from the switch to access the power cord. Cooling mechanisms, such as fans and blowers in the switch, can draw dust and other particles causing contaminant buildup inside the chassis, which can result in system malfunction. Figure 7. Cabling is away from sources of electrical noise, such as radios, power lines, and fluorescent lighting fixtures. They can only stack with other Catalyst 2960-XR switches. Connect the other end of the cable to console port on the switch. Never defeat the ground conductor or operate the equipment in the absence of a suitably installed ground conductor. By default, a switch PoE port automatically provides power when a compliant device is connected, including ePoE, PoE, and PoE+. StepA 2 Insert the other cable end into an RJ-45 port on the other device. You can then access the switch through the IP address for further configuration. The SFP slots support only the SFP modules. The fixed ports on the Cisco Catalyst 2960-Xor Cisco Catalyst 2960-XR Power over Ethernet Plus (PoE+) switches provide: PoE+ support for IEEE 802.3at-compliant powered devices PoE support for IEEE 802.3af-compliant powered devices Support for Cisco enhanced PoE (ePoE) These ports also provide Cisco prestandard PoE support for Cisco IP phones and Cisco Aironet Access Points. Therefore, you can use either a crossover or a straight-through cable for connections to a copper 10/100/1000 module port on the switch, regardless of the type of device at the other end of the connection. Cisco Network Assistant is freeeAAthere is no charge to download, install, or use it. Copyright A 2019, Cisco Systems, Inc. Access to ports is sufficient for unrestricted cabling. StepA 4 Observe the POST results. Did you connect the Ethernet cable to the console port instead of to a 10/100/1000 Ethernet port on the switch? Note The automatic medium-dependent interface crossover (auto-MDIx) feature is enabled by default. StepA 3 Configure the PC terminal emulation software for 9600 baud, 8 data bits, no parity, 1 stop bit, and no flow control. The following guidelines are provided to ensure your safety:eAA A. This unit should be mounted at the bottom of the rack if it is the only unit in the rack.eAA A. When mounting this unit in a partially filled rack, load the rack from the bottom to the top with the heaviest component at the bottom of the rack.eAA A. If the rack is provided with eht dnurora ytidmih, .hctiws ruoy teser ot spets eseht wolloF .neerg era nottub edoM eht evoba sDEL lla taht yfireV .gnitegdub EoP no noitamrofni rof ediuG noitallatsni erawdraH RX-0692 tsylataC ocsciC eht eeS .tel tuo CA dednuryg a ot DNA YLPUS REWOP HCTIWS EHT OT DROC REWOP CA EHT GNITCENNOC YB HCTIWS EHT REWOP 3 A, PETS.) CA A A e: FO ERUTAREPMET TNEIBMA DEDNEMCER MUMIXAM EHT SDEECKE TAHT AERA NA NI TI etarepo ton od .gnitaehevro morf metsys eht tneverp oT gninraW 4201 tnetematS .esu Aertutuf rof meht erots dna .selbac kcatSxelF eht morf srevoC tsud eht evomeR 1 ApeTs .stnemetats gninraw noitallatsni cisab eht sedulcni tneumocod siHT .hctiws eht gniganam dna gnirugifnoc tuoba noitamrofni rof hctiwS eht gniganam eeS .strop eludom JPFSt (elbaggulP rotcaF-mroF lllamS eht ot dna strop hctiws dexif eht ot tceennoc ot woh sebircsed notices siHT .lenap raer s'hctiws eht no lebal SOI ocsciC eht no si noisrev erawtfos eHT . 3 erugif .hctiws eht no gninnur noi srev erawtfos soi ocsci eht hctam taht stnemucod eht ees, snoitacilbup enlilo eht gnisu nehW .ni 3: hctiws fo kcab) mm 44.44 (.OCSCIC, DROWSSASP TLUAFED EHT RETNE, DETPMPORP NEHW .1.0.0.01 /#: spth sserdda pi eht retne dna .CP EHT NO NOISSES RESWORB A TRATS 7 A, PETS: TROP A OT ELBAC TENRHTE 6 RO 5 YROGETAC A TCENNOC 6 A, PETS. / 01 S'CTIWS A NI ELBAC 5 YROGETAC, RIAP-RUOF DETSIWT, HGUORHT-THGIARTS A TRESNI 1 A, PETS LAITINI EHT ETLEPMMOK OT DNA SEGNAHC RUI EVAS OT TIMBUS KCILC 01 A,PETS .ELBISSOP SI SA) SITIVITCA NOITCURTISNOOC MORF sekaif latem sa hcaust lairetam evitucudnoc ngierof dna tsud morf eerf sa tneimmortve na ni tneempigue siht llatnsi tssum uoy .CP eht no noiesses tenieT a trats 2 ApeTs .setelplmnc TSOP lituu tiaw .hctiws eht stoobter hctiws eht gniteseR etoN .kcar eht ni tiuu eht gnivcivres ro gnituumom erofeb sreziilbats eht llatnsi, seceved, seceved does not exceed 95 percent. The LEDs stop blinking after 7 more seconds, and then the switch reboots. To reset the switch: Press and hold the Mode button. StepA 2 Insert an appropriate cable into the module port. After completing Express Setup and installing the switch in your network, you can use one of these options for further configuration. Other laptops and browsers might work. You can enter Cisco IOS commands and parameters through the CLI. Insert the other cable end into the other device. Order the appropriate cable from your Cisco sales representative. See the Device Manager online help for more information. Does your PC have a static IP address? Altitude at the installation site is not greater than 10,000 feet. Airflow around the switch and through the vents is unrestricted. If yes, before connecting to the switch, change your PC settings to temporarily use DHCP. StepA 2 Grasp the FlexStack module on the sides, and insert it into the module slot. Translations of these warning statements appear in the switch compliance and safety information guide document on Cisco.com. StepA 2 During Express Setup, the switch acts as a DHCP server. The Device Manager page appears. Note This is only supported on the stack-capable switches. The Catalyst 2960X-48P-L switch is shown as an example. Wait 30 seconds before you enter 10.0.0.1 in the browser. Note To use the CLI-based initial setup program, see the switch hardware guide on Cisco.com. Mixed Stacking with FlexStack Modules This section describes rack-mounting using 19-inch and 23-inch rack-mounting brackets. Note Before running Express Setup, disable any pop-up blockers or proxy settings in your browser software and any wireless client running on your PC. A straight-through or crossover Category 5 or 6 Ethernet cable, Box Contents 1 Catalyst 2960-X switch1 or Catalyst 2960-XR switch (power supply modules not shown) 8 Eight number-8 Phillips flat-head screws 2 AC power cord 9 One black Phillips machine screw (48-0654-01) 3 Four rubber mounting feet 10 (Optional)2 Console cable or USB cable 4 Two 19-inch mounting brackets 11 (Optional)2 Cisco FlexStack-Plus module 3 5 Cable guide 12 (Optional)2 4Cisco FlexStack cable 6 Four number-12 Phillips pan-head screws (48-0523-01) 13 (Optional) 2Power cord retainer (PWR-CLP) 7 Four number-10 Phillips pan-head screws (48-0627-01) -- When you first set up the switch, you should use Express Setup to enter the initial IP information. You need this equipment to set up the switch: A PC with Windows Vista, XP, or 2000 installed. StepA 2 Enter the switch IP address in the web browser, and press Enter. StepA 3 Replace the dust covers when you remove the FlexStack cables from the connectors. Did you wait 30 seconds after you connected the switch and the PC before you entered the IP address in your browser? StepA 1 Use the four supplied Phillips machine screws to attach the brackets to the rack. You can stack up to eight switches. StepA 2 Use the black Phillips machine screw to attach the cable guide to the left or right bracket. You can install the module in other switches as shown. Warning To prevent bodily injury when mounting or servicing this unit in a rack, you must take special precautions to ensure that the system remains stable. Switch Interface and Hardware Component This guide provides instructions on how to use Express Setup to initially configure your Catalyst switch. For the Catalyst 2960X-24PSQ-L switches: Allow these clearances: Top and bottom: 1.75 in. StepA 1 Connect an USB cable to the PC USB port. If yes, wait until POST completes. Figure 4. Did you try to continue without confirming that the switch was in Express Setup mode? For detailed instructions on installing, removing, and connecting to SFP modules, see the documentation that came with the SFP modules. Cisco Prime Infrastructure combines the wireless functionality si gnidnurow elbatus taht niatrecnu era uoy yi faicirteele na ro ytirohtua noitcepsni lacirteele etairporppa eht tcaotC 7CP eht fo trop tenrehtE eht dna trop hctiws a neewteb elbac tenrehtE hguorht-thgiarts a fo daetsni elbac revossorc a tceennoc uoy diD .sdleif lanoitpo eht ni noitamrofni retneE 9a ApeTs: sdleif sgnittes krowen ni noitamrofni siht retEes serppo ot tnaw uoy did: Resworb ruoy ni raep pas serpxe egap putes sserpxe egap putes sseod eht Fi ro, nur ton seod putes serpxe fi .pleh gnitoohselborthennoos, snoitpo tneemnam hctiws srehtpo tneme eht ot elbac eht fo dne rehto eht tceennoc .ayaw Emas eht ni dekcats eb nac hctiws rx-0692 non nwohs si nwohs si hctiws x-0692 ocrbac occrppan revora de degamad eb t degamad eb t hgim tneempigue .tudorp syrc gninraw 6001 tneemetats. Tneeserg snrut del eht neht dna, sht .edom pists sserte ot nottub Edom eht sserpub .trop Tenrehte cp eht ot elbac tenrehte 5 yrogetac a tceennoc 1a A,pets .moc.ocsciN evah srehtpo dna stols evah sledom hctiws em .selbac kcatsxelF /cipno-rehif deriuqer eht dna eludom diriyH dednetxE-kcatSxelF eht llatnsi1 .sehctiws elbapac-gnikcats RX-0692 dna X-0692 tsylataC eht ot ylno selppa notices siHT etoN .selbac rehif gnisu detceennoc era strop eludom +PFS eHT .reqanaM ecnarusAA emirP ocsciC fo seitililbapac gnitoohselbuort DNA GNirrotinom Ecnarmrofpref Noitaclpoppa htiv) SML (Noitulos Thnemeganam Nal Emirp OCSCIC Heart Ytilanoitcnu YtilanoitCNUF Deriv Eht DNA) SCN (MOTSYS Lortnoc Krowten Emirp OCSIC bew rodagevan nu ed s@Avart a der us ed ragul reiuqlauc edsed sovitisopsid ed rodartsinimdA la redecca edeup .moc.ocsciC ne ISCR rotpurretni led aAuG al etlunoc .n'Aiacicilbup atse ne necerapa euq saicnetrevda sal ed senoicudart arap .kcatSxelF olud'A m nu asu es on odnauc oncnal ne olud'A m nu odalatsni renet ebed erpmeis rotpurretni IE ATON .olud'A m led odal adac ne sollimrot sol erugesA 4 osaP .sserpxE ed n'Aicarugifnoc al etnaidem rotpurretni led PI n'Aicamrofni al rasergni edeup .)serotpurretni ortauc atсах (S-0692 o X-0692 tsylataC serotpurretni noc satxim salip raerc edeup oloS atoN .saicnatsid sagral a serotpurretni sol ratcenoc arap rasu edeup es kcatSxelF ocsciC ed odidnetxe arbiF ed olud'A m le ne arbiF ed otreup IE .moc.ocsciC ne n@Aibat y n'Aices atse ne elbinopsid jAtse aduya al .datlucifid anu atanemirepxe iS . + PFS y PFS solud'A m sol netimda + PFS sarunar saL .rotpurretni le rarugifnoc arap sodnamoc rasergni arap IIC le esU 4 osaP .osecca ed sotnup y serodaturne .n'Aicatumnoc ed salip .serotpurretni ed sopurg .serotpurretni sodiuleni .sovitisopsid selpitl'A m raerottinom y rarugifnoc arap sadanzava senoicpo ecerfO .ocsiA b rotpurretni led oerottinom le y n'Aicarugifnoc al razilaer arap sovitisopsid ed rodartsinimdA le esU 3 .osaP .osap etneuhgis le noc raunitnoc ed setna PCHD rasu arap CP us ed n'Aicarugifnoc al etnemiaropmet erugifnoc .acitjAtse PI n'Aiccerid anu eniet CP us iS .odarugifnoc on rotpurretni nu omoc anocituf aroha rotpurretni IE .CP al y rotpurretni le ne tenrehtE otreup nu a oter elbac nu etceennoc .ovitamarifa osac ne .sserpxE n'Aicarugifnoc ed odom la rasergni arap EDOM n'Alot le eser'A gesaA .ollirama ne ehircsed es tenrehtE otreup le y .luza ne ehircsed es alsocno al ed otreup le atoN .satxim salip sal a ragerpa nedeup es on serotpurretni sol RX-0692 tsylataC .serotpurretni sol ratcenoc arap ocsciC rog odalaborpa kcatSxelF elbac nu esu erpmetS sadartson senoiccurtsni sal agis .rodalatsni le atuceje odnauC 4 osaP .)n'Aicpo atse ecerfo rodagevan us is bew al edsed etnemataroird olratuceje edeupI .etnemaroretna adarugifnoc acitjAtse PI n'Aiccerid al a oleibm;AC, 2 osaP le ne CP us ne acitjAtse PI n'Aiccerid al Aibmac iS 001 osaP .S-0692 o X-0692 tsylataC 1 1 osaP .der al y solacol serodaturne sol a etceennoc es rotpurretni le euq etimrep otsE .sedrev nos tats y ametisS ed sDEL sol euq emrinoc. rotpurretni le ne )senip 5 ed rotceennoc B inim BSU otreup la elbac led omertxe orto le etceennoc .n'Aicatnemila ed a number 2 Phillips-head screwdriver to remove the FlexStack module blank cover on the switch back panel. Stacking with FlexStack-Extended Fiber Modules Across Floors of a Building The following topology is created by stacking switches with FlexStack-Extended Fiber modules that are deployed across multiple buildings of a campus and different floors of a building. StepA 2 Find the Network Assistant installer. For system requirements, important notes, limitations, open and resolved bugs, and last-minute documentation updates, see the release notes, also on Cisco.com. StepA 11 Disconnect the switch from the PC, and install the switch in your network. Typically, fiber modules are used to extend a network for long distance communication across buildings or floors in a building. These are the different sizes available: CAB-STK-E-0.5M= (0.5-meter cable) CAB-STK-E-1M= (1-meter cable) CAB-STK-E-3M= (3-meter cable) Make sure that you have access to the switch rear panel and to the rear of the rack. This is one of the supported topologies using FlexStack modules. The simplest way to manage the switch is by using Device Manager in the switch memory. This web interface offers quick configuration and monitoring. Caution Removing and installing an SFP module can shorten its useful life. Note All the FlexStack modules are hot-swappable and can be inserted while the switch is powered on. If not, wait 30 seconds, reenter 10.0.0.1 in the browser, and press Enter. A web browser (Internet Explorer 5.5, 6.0, 7.0, Firefox 1.5, 2.0, and 3.0) with JavaScript enabled. If the switch is installed in a closed or multipack assembly, the temperature around it might be greater than normal room temperature. temperature.

