

5)3 &DPSXV /\$1 6ZLWFK 8SJUDGHV
 šš Zu vš t Æ u%o }v(]Pμœ š}}v 'μ]
 6ZLWFK , QVWDOODWDWQRDQGX&RQ IIRJU &
 9HUVLRQ

5HYLVLRQ +LVWRU\

9HUVLRQD\ QXPEHU&KDQJHE\	\$SSURY%HLHI	GHVFULSWLRQ
9HUVLRQ		

' • - † • - •

í ^Á]š Z (Kœ u vš}}v XXXXXXXX
 säs C9400r-Campus distribution Switch
 sät C500r-Campus distribution Switch
 säu C100r-Campus Switch

5)3 &DPSXV /\$1 6ZLWFK 8SJUDGHV
šš Zu vš t Æ u%oo }v(]Pμœ š}}v 'μ]
ðXò õïìì ^Á]š Z Z lo]•š

5)3 &DPSXV /\$1 6ZLWFK 8SJUDGHV
 šš Zu vš t Æ u%oo }v(]PμŒ š}}v 'μ]

5)3 &DPSXV /\$1 6ZLWFK 8SJUDGHV
 šš Zu vš t Æ u%o }v(]Pµœ š}}v 'µ]
 7KH RWKHU RQH LV WKH PDVWHU OFFRQLWJXUDWLRQ ILOH WR WKH VZLWFK
 RI WKH VZLWFK YLD '86% IODVK ± UHFRPPHQQGHG PHWKRQ
 VZLWFK

\$ &RS\ WKH DSSURSULDWH SUH FRQILJ ILOH WR WKH VZLWFK
 /RDG WKH DSSURSULDWH SUH FRQILJ ILOH WR WKH VZLWFK
 F BSUHLQWR D WH[W HGLWRU
 6HOHFW DOO WZLWFK ILOH WR WKH VZLWFK
 (QWHU FRQILJXUDWLRQ ILOH WR WKH VZLWFK
 VHW XS WKH YLWFK ILOH WR WKH VZLWFK

% /RDG WKH PDVWHU OFFRQLWJXUDWLRQ ILOH WR WKH VZLWFK
 D 9LD 86% IODVK ± UHFRPPHQQGHG PHWKRQ
 &RS\ WKH PDVWHU OFFRQLWJXUDWLRQ ILOH WR WKH VZLWFK
 ,QVHUW WKH 86% IODVK WR WKH VZLWFK 86% SRUW
 &KHFN WKH GLUHFWRU ILOH WR WKH VZLWFK
 IODVK GLUHFWRU ILOH WR WKH VZLWFK
 GLUHFWRU\ XVEIODWLRQ ILOH WR WKH VZLWFK

Switch#copy usbflash0:/ 116c9501.cfg startup-config

127('2 127 SHUIR WZLWFK &DW &
 3HUIR WZLWFK &DW &
 7KH &DW & VKRXOG KH FRRUJ ILOH WR WKH VZLWFK

E 9LD 7)73 6HUYHU
 &RS\ WKH PDVWHU FRQILJXUDWLRQ ILOH WR WKH VZLWFK
 (VWDEOLVK D FRQQHFWRU IURP \RXU 7)73 VHUYHU
 8VH WKH EHORZ FRPPHQQGHG ILOH WR WKH VZLWFK
 Switch#copy tftp startup-config

127('2 127 SHUIR WZLWFK &DW & VZLWFK
 3HUIR WZLWFK &DW & VZLWFK
 7KH &DW & VKRXOG KH FRRUJ ILOH WR WKH VZLWFK

& 6WRUH WKH \$,6' \$VVHW 7DJ QXPEHU DW WKH VZLWFK F

\$IWHU UHERRWLQJFRZQMLKXQDWKLRQORRQVHUH&DW& \$,6'
 7DJ QXPEHU LFRQVWHDFWQ'PILHOG

yz•õñií~ }v(]Pµœ š}}v 'µ]
 }v(]Pµœ š}}v 'µ]

2Q WKH &DW & FRRUJ ILOH WR WKH VZLWFK

2.6

Unofficial Checklist

5)3 &DPSXV /\$1 6ZLWFK 8SJUDGHV
 šš Zu vš t Æ u%oo }v(]Pμœ š}}v 'μ]
 7KH EHORZ WDEOH LV DQ 8QRIILFLDO

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5)3      &DPSXV /$1 6ZLWFK 8SJUDGHV
šš Zu vš t Æ u%o }v(]Pμœ š}}v 'μ]
188c9501#sh env all | be SW
SW PID      Serial#      Status      Sys Pwr  PoE Pwr  Watts
1A PWR C4 950WAC R    APS2223009D  DOWN      Bad      Bad
1B PWR C4 950WAC R    APS2223009E  OK        Good     Good     950

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u {wrr ™ ‹ – ... Š Š ‡ ... • Ž ‹ • – f – – Š ‡ ... Š ‘ ‘ Ž f • ’ — •
&DSWXUH WKH FRQKROIRORRZVLQRZFLRQKPDQGV WRDLO W
ZDQDQDO\VWV#DXVWLQLVG RUJ

5)3 &DPSXV /\$1 6ZLWFK 8SJUDGHV
 šš Zu vš t Æ u%oo }v(]Pμœ š}}v 'μ]
 127(,I \RX QHHG WR FMDWFK RYQHJ UHROORZG FDR @RLPSXOHDWHR
 WKH & VZLWFK WKH IROORZLQJ

^Á]š Z /v•š oo š}}v v }v(]Pμœ š}}v 'μ]

5)3 &DPSXV /\$1 6ZLWFK 8SJUDGHV
 šš Zu vš t Æ u%o }v(]Pμœ š}}v 'μ]
 7KH ILUVW RQH ILOVHDF S QW LFRVQI QJ IRW KOD WH D UFR R L R D Q H G Q G H
 DQG SDVWHG GLUOHF VL Q WIRU RPK W KQI W W F U K D M Q L R Q R P E R G O H F R K
 FRQILJ ILOH SUH S D E H H F R V K H J X Z I H W F I F R P I W K I L P H D V W H
 7KH RWKHU RQH LV WKH PDVWHU F R Q R L W K H D W W L B Q M X S H
 RI WKH VZLWFK YLD '86% IODVK \ R D Q G) S D V W H W K H P D V W
 VZLWFK

\$ &RS\ WKH DSSURSULDWH SUH FRQILJ ILOH WR WKH VZLWFK
 /RDG WKH DSSURJSLLOCHWWLSUOHGRVZLWFK KRVWQDPHB
 \$ BSUHLQWR D WH[W HGLWRU
 6HOHFV DOO W D Q G V F R S \ L I Q W W K R I W L O H F O L S E R D U G
 (QWHU FRQILJXUD W Z I R V F R R G H G R S D W W E W H K H W F O L S E R I D L
 VHW XS WKH Y O S E Q I R U P D W L R Q \ S W R N H \

% /RDG WKH PDVWHUOFFRQWLRXUDDWLWR Q S W K R H Q V I Z L X W F K W L R Q
 D 9LD 86% IODVK ± UHFRPPHQGHG PHWKRQ

&RS\ WKH PDVWHU I E Q I W R X U R X U L 86% IODVK
 ,QVHUW WKH 86% IODVK WR WKH VZLWFK 86% SRUW
 &KHFN WKH GLUHFWRU I O D V K I R Q G V R R S I L W K H D P D L R Q H
 RI WKH IODVK G L D H W W R S D W W E R Q W I D I O R D F L S O H R I W K H
 ZLWK GLUHFWRU \ Q D P K I E P D V E W H D V E R I Q D Q G U S D W L R Q I

6ZLWFK FRS\ XVEIOBMKVWDSJWXS FRQILJ
 127('2 127 SHUIR W P F W R S \ U X Q F R P P U D W G V \ H W
 3HUIR W P H O R D Q G W K H &
 7KH & VKRXOG UKHE FFRW U H Q G V O F R D Q G L W X U D W L R Q

E 9LD 7)73 6HUYHU
 &RS\ WKH PDVWHU FRQILJXUDWLRQ ILOH WR \RXU 7
 (VWDEOLVK D FRQQHFWRQ IURP \RXU 7)73 VHUYHU
 8VH WKH EHORZ FRPPDQGHWRFRQSLKXUWZVWFRQ ILOH

6ZLWFK FRS\ WIWS VWDUWXS FRQILJ
 127('2 127 SHUIR W P F W R S \ U X Q F R P P U D W G V \ H W
 3HUIR W P H O R D Q G W K H &
 7KH & VKRXOG UKHE FFRW U H Q G V O F R D Q G L W X U D W L R Q

& 6WRUH WKH \$,6' \$VVHW 7DJ QXPEHU DW WKH VZLWFK F

\$IWHU UHERRWLQD F R Q I K U Q U D K H L R O V R E D H W K K H & \$,6' \$ V
 7DJ QXPEHU L Q F R Q W H D F W Q P I S H O G

116A9301(config)# VQPS VHUYHU[#AsBcDg#]FW

5)3 &DPSXV /\$1 6ZLWFK 8SJUDGHV
šš Zu vš t Æ u%o }v(]Pμœ š}}v 'μ]
2Q WKH & FRS\ WJKHU DW QQQ QW RFDWLRQXS FRQILJX

Unofficial Checklist

(official checklist is performed and captured at Campus)

\$FWLRQ	&RPPDQG	9HULILFDWLRQ	
&KHFN KDUGZDUKHZ VZLWFK (QVXUH DOO WHVW SDVVHG DQG QR	FRQILJXUDWLRQ	36WDWX'V 2.	FRQILJXUDWLRQ
&KHFN IRU 3267KBRZOSRHW		IDLOXUHV DUH UHSRUWHG	
&KHFN 6ZLWFK KRZJØRJ		(QVXUH QR KDUGZDUH IDLOXUH	

5)3 &DPSXV /\$1 6ZLWFK 8SJUDGHV
šš Zu vš t Æ u%oo }v(]Pμœ š}}v 'μ]

		\$OWHUQDWH SRUW DW WKH GHVVLJ
VKRZ HWKHUFK VXPPDU\	DQQHO)RU FORVHW ZLWK RQO\ RQH VZLW 7HQ JLJ SRUWV DUH XS DQG EXQG
VKRZ YODQ	&KHF	N RX VSWWH V9/\$1VDIQ G V V KRXC FRQILJXUHG
VKRZ UPRQ DODUPV	DUPV	&KHFUNHRXVRSXOVG EHH7DODUPV FRQIL
VKRZ LQWHUIDFHV	VRXDSXW	8KZL FNF KSRWHFWVGRXKGL &VYR
VKRZ LQWHUIDFH	WUXQN	
VKRZ FGS QHLJ	KERU	
6K ORJ		7URXEOHVKRRW DEQRUPDO OR IRU UHVROXWLRQ ZLWK \$,6'
66+ WR WKH GH	YLFH FRQQHFWL	&KHFUN VRX DUH LQ WKH GHYLFH FR RFRPPDQG 3VVK [\] QP' SURY XVHU QDPH QHWV\QF TV FUHGHW
&RQQHFWLYLW :LUHG	7HVWLQJ	&RQQHFW \RXU ODSWRS WR DQ DF 9/\$1 YHULI\ WKDW WKH ODSWRS DGGUHVV DQG FDQ DFFHVV WKH G
&RQQHFWLYLW :LUHOHVV	7HVWLQJ	6HW \RXU ODSWRS WR FRQQHFW W QHWZRUN JXHVV 9HULI\ WKDW WK '+&3 DGGUHVV DQG FDQ DFFHVV W ZLUHOHVV

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:6 & ; 364 /

3RUW *L ± DUH 3R(SRUWV VRK\$F FIFU\WW3 RIZORWS R\$UW V
SRUWV ZLOO UHVHUTYHGHIGUBG(HSFFZUL WX XFDKPDVDV 9R,
SKRQHV HWF
3RUW *L R 8SOV\QUNHWP VZLWFK
2SWLFV%DVH6; 6)3 '20

^Á]š Z /v•š oo š}}v v }v(]Pμœ š}}v 'μ]

5)3 &DPSXV /\$1 6ZLWFK 8SJUDGHV
šš Zu vš t Æ u%o }v(]Pμœ š}}v 'μ]

/DEHO WKH 6ZLWFK DQG 3ODFH \$,6' \$VVHW 7DJ

\$FFRUGLQJ WR \$,8UN\$1DEHMOZ QJ 6WDQGDUG GRF[

/RDG 6WDUWXS &RQILJXUDWLRQ DQG &RQILJXUH WKH 6ZL
1RWH

7KHUH ZLOO EH 7:2 QF X V X U R P W V H S U I R L Y Q L G V H G E \
7KH ILUVW RQH ILOVHDF S Q W L F R Q U Q J I R W K D W H Z U F H R P Q D W H Q M G H
DQG SDVWHG GLUOHF W L Q W I R J R V K M W K Z W W F U K D W L R I Q R P E D G H F R K
FRQILJ ILOH SUH & D E U H V R Q K H J X Z I H W L F I U R P I W K I L O P H V W H
7KH RWKHU RQH LV WKH P D V W H U H F R Q R L W X U D W W L R Q W X O H
RI WKH VZLWFK YLD '86% I O D V K \ D U G) S D V W H W K H P D V W
VZLWFK

' &RS\ WKH DSSURSULDWH SUH FRQILJ ILOH WR WKH VZL
/RDG WKH DSSURJSLUOCHWWLSUOH ER Q ILLW F KJ Q M PJ! 3 ; \]BS
3 ; BSUH I F Q J R D W H [W H G L W R U
6HOHFW DOO W I O G V F R V \ L Q W W K R I W L O H F O L S E R D U G
(QWHU FRQILJXUD W Z I R W F R K R G H R S D W W E W W H Q W F O L S E R I O L
VHW XS WKH Y O S L F Q I R D W B W D L R Q \ S D V R N H \

(/RDG WKH P D V W H U O F F R Q W L R X U D D W L R Q S W K R H Q V I Z L X W F K W L R Q
F 9LD 86% I O D V K ± U H F R P P H Q G H G P H W K R G

&RS\ WKH P D V W H U I E G Q I W R X U P X U L 86% I O D V K
, Q V H U W W K H 86% I O D V K W R W K H V Z L W F K 86% S R U W
& K H F N W K H G L U H F W R U I O D V K H D R Q G V R R Q I L W X U D W L R Q H
RI WKH I O D V K G L D H W W R S D W E R Q W B D O F R D P S O H R I W K H
Z L W K G L U H F W R U \ Q D V P K I G P X D V E W O D U V Q R Q D Q G X U B D ; W L R Q I

6ZLWFK FRS\ XVE; I O F V J V W D U W X S F R Q I L J
127('2 127 SHUI Z W P F M R E R S \ U X Q F R P P U D W G V \ H W
3HUIR W P H O R D G W K H & D W ;
7KH & D W & V K R X O G K H H F E R R U W H F D W G F F O R I D G X W D W L R Q

G 9LD 7)73 6HUYHU
&RS\ WKH P D V W H U F R Q I L J X U D W L R Q I L O H W R \ R X U 7
(VWDEOLVK D F R Q Q H F W L R Q I U R P \ R X U 7)73 V H U Y H U
8VH WKH E H O R Z F R P P D Q G H W R F R Q S K W X U Z W W R Q I L O H

6ZLWFK FRS\ WIWS VWDUWXS FRQILJ
127('2 127 SHUI Z W P F M R E R S \ U X Q F R P P U D W G V \ H W
3HUIR W P H O R D G W K H & D W ;
7KH & D W ; V K R X O G W H K E R R R U D E S W O R D Q I L J X U D W L R Q

5)3 &DPSXV /\$1 6ZLWFK 8SJUDGHV
šš Zu vš t Æ u%o }v(]Pμœ š}}v 'μ]

) 6WRUH WKH \$,6' \$VVHW 7DJ QXPEHU DW WKH VZLWFK F

\$IWHU UHERRWLQJFRZMLKXQDWLKRQPRQVROH &DKM \$,6'
7DJ QXPEHU LQFRQWDFWQ'PSLHOG

252P2X61(config)# VQPS VHUYHU#AsBcTg# FW

2Q WKH &DW ; FFRQWLKJXWDXQQRQJXB DWLRLQWXS FR

Unofficial Checklist:

(official checklist is performed and captured at Campus)

\$FWLRQ	&RPPDQG	9HULILFDWLRQ
&KHFN IRU 326	VKRZ YHUV	UHSRUWHG
&KHFN ,26	VKRZ YHUV	/ \$1 ,QVWDOO VKHHW
&KHFN WKDW ILOH ZDV FRSLSDVWHG VXFF	VKRZ YHUV	VKRZ FU\SWSR FNHSWR NH\ VKRXOG EH GLVSO
&KHFN WKDW FRQILJ ILOH ZDV VXFFHVVIXOO	VKRZ YHUV	VKRZ LS GH
\$VVHW WDJ V	VKRZ VQPS	6KRXOG EH VHW WR \$,6' \$VVHW 7
&RQILJXUDWL	RU!	ZU PHP

- 3RUW DVVLJQPHQW DQG 3DWFK
- *L IRU \$FFHVV SRUWV
- *L IRU G#XLBHVB R(SRZHU
- *L IRU HTQG SPHQJWHZLWKRXW 3R(
- *L IRU \$FWX\$ΘLIQ#HWR & VZLWFK

5)3 &DPSXV /\$1 6ZLWFK 8SJUDGHV
šš Zu vš t Æ u%o }v(]Pμœ š}}v 'μ]

2) *Verify that the fiber link will come up before mounting the switch.*

a. *There may be issues with the links from the portables.*

E &RQQHFW WKHWRS 0ZLQMFKDEUHW *L
F ,I WKH OLQN FRFRQW XSHFRNQH BFWLRQ SLQJ WKH &
G &RQQHFW WR DQ DFEQWHSQHW DQGHYUULLV ZRUNLQJ
H)URP WKH & FRQW 00GN FRHFNQWRIKIDFH LQGLFDWZK
SUREOHPV

f. *If the link does not come up, use the LX/LH optics with mode conditioning patch cables to make the link. Then repeat steps c-e.*

0RXQW WKH VZLWHFKODR WUKR B ROURDSEVLRQ IDGF B UGH QJ W
&RQQHFW WKHWRS 0ZLQMFKDEUHW *L
6HW SRUWV QHFVW \$BUDGRJ G HVIF OSB WWRQ 7 R RUF MLKHW H W H
QHHG WR VDYH WQGHGYOVDFOLSWRFRSHURORQ WZLWFK WKDW V
GHYLFH
1RWH \RX PXVW FRQILJXUH WKH SRU

À

5)3 &DPSXV /\$1 6ZLWFK 8SJUDGHV
šš Zu vš t Æ u%o }v(]Pμœ š}}v 'μ]

&KHFN 2SWLFD	DO OHYHOV	'RFXVPRQZWLQWWSSKDFH WUDQVFHLYDNH VXUH WKH * OLQNV 2SV /HYHOV DUH ZLWKLQ WKH Q GRUP	
66+ WR WKH GHYLFH	FRQQHFWL	:K&K&FM&S+DUH LQ WKH GHYLFH RRPPDQG ³VVK [\\] QP' SU WKH XVHU QDPFHUHGMOQWEDV WKDW \RX RQO\ QHGH WKH SDV DOUHDG\ ORJRQ WKH VZLWFK	

&RQQHFWLYLW\ 7HVWLQJ &RQQHFW \RXU ODSWRS WR DQ
:LUHG 9/\$1 YHULI\ WKDW WKH ODSW
'+&3 DGGUHVV DQG FDQ DFFHV