ADS2400 download procedure (safe mode)

1 Condition

Firmware upgrade

PS Below is the CLI syntax for safe mode download.

You can use CLI to check CP version as below :

\$ get system info

Name : Location : Contact : eric Vendor : LogThreshold: 4 Object-id: 1.3.6.1.4.1.3278.1.12 Up Time(HH:MM:SS): 7:2:3 HwVersion : ADSL-1.0 CPLDVersion: 1.8 CPSwVersion : COL2.10.3.1.060525 CPSwVersion(Build): F.3.04.i1000.ADSL2+.A PRIMARY (GS API 646/E.67.1.64) DPSwVersion : DP_B02_10_20_04_01A_ip1000a System Time : Thu Jan 01 07:02:03 1970 Time Zone : GMT DST: off Services : physical datalink internet end-to-end applications

When your CP version is 2.8.2 ,the command line as below : **\$ download src TEImage.bin.gz dest /nvram/TEImage.bin ip 192.168.100.100**

When your CP version is later of 2.8.2 (maybe 2.10.2 or...etc),the command line as below : **\$ download src TEImage.bin.gz dest /nvram/Image ip 192.168.100.100**

2 Firmware included

No.	File name	
1	FW-ADS4800_V212_IP1000.bin.gz FW-ADS2400_V212_IP1000.bin.gz	(48 port 1000M) (24 port 1000M)
2	FlashProgrammer.bin	Be encapsulated in file "tftpd32(Server-tftpd32).rar"
•	Put the firmware and Tftn Server at se	ame directory on PC

• Put the firmware and Tftp Server .at same directory on PC.

Please check Ethernet type (100Mega or 1 Giga) and how many ports the ADS-2400 or ADS-4800 has in advance.

• Different type and ports have different firmware respectively.

• Be note that it should be downloaded by EEPROM while download a incorrect firmware.

3 Preparation

TFTP Server (Tftpd32) configuration Step Image Usage 💡 Tftpd.32 by Ph. Joun - U × 1. Click "Browse" bottom to indicate current directory of firmware. Current Directory D: Vtitp Browse Server interface 492 168 100.55 2. Click down-arrow bottom to indicate IP of DHCP Server. Show Dir . Titp Server Titp Client DHCP server Syslog server 3. Assign starting address for IP pool. IP pool starting address 192 168 100.50 Size of pool 2 4. Input file name of firmware for Boot File TEImage.bin.gz Boot File (which is file name of firmware) S 1 WINS/DNS Server 0.0.0.0 a Default router 0.0.0.0 5. Input subnet mask Mask 255.255.255.0 Domain Name 6. Save input parameters. Additional Option 0 7. Press "Setting" bottom to configure more details (option) About <u>S</u>ettings Help Tftpd 32: Set × 8. After assigned this parameter and reboot Tftpd32 that "Current Base Directory Directory" at previous step will follow it. Browse Global Settings FTTP Server FTTP Client SNTP server Syslog ser Syslog Server Save syslog message File T TFTP Security TFTP configuration None Timeout (seconds) Max Retransmit · Standard C High C Read Only Titp port 69 2 Advanced TFTP Options Option negotiation Hide Window at startup D) PXE Compatibility Create "dir.txt" files Show Progress bar r Beep for long tranfer 192.168.100.55 -Use Titpd32 only on this interface Use anticipation window of ByRes Allow "\"As virtual root 0K and a second Help Cancel

4 Download procedure

Step	Image	Usage
	WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW	1. Verify interface type and port numbers are same as firmware
1	<co-0001eb0808aa></co-0001eb0808aa>	2. Here download differential firmware according to port and interface type.
	Togin: Thu Jan 01 00:01:36 1970 : STATUS ALARM : System Up Jogin:	3. 100 means the interface type is 100Mega at left circle.
2	reboot config safe	command :
	Block 2 erase in progress	report config safe
		reboot coming sale
	FLASH program slarls al ADDR 40000 #################	
	Block 3 erase in progress Flash hlock 3 erase successful	4. System will restart and running into safe mode.
	FLASH program starts at ADDR 60000 ################	
	:	
	Rebooting?	

	Suflware Release: COL2.6.1.0.040412 1.02.040726.ADSL2+ Dale: Jul 26 2004	
	Initializing Memories Success	
	Press 'F1' to enter interactive mode, 'Enter'to skip 5 Seconds left User did not request for interactive modeContinuing All t <u>he files are in Flash, Wo F1F requireu</u>	
\square	System shall come up in normal mode	

	\$create ethernet intf ifname eth-0 ip 192.168.100.111 mask 255.255.255.0 enable	
	Fotry Greated	command :
		create Ethernet intf ifname eth-0 in 192 168 100 111
	Interface : eth-0	
3	Type : Uplink UseDhcp : False IP Address : 102 168 168 111 Mask : 255 255 8	mask 255.255.255.0 enable
	Pkt Type : ALL	
	Configured Duplex : Auto Duplex : None	5 Curate an ethemat interface " eth 0 " and easien an ID
	Configured Speed : Auto ClassOthrshld : 100 Class1thrshld: 100	5. Create an ethernet interface eth-0 and assign an IP.
	Class2thrshld : 100 Class3thrshld: 100 Class5thrshld - 100 Class5thrshld: 100	
	Class6thrshld : 180 Class7thrshld: 180	6 Connect Ethernet cable between ADS2400/4800 and
	ProfileName : SPPROFILE Mgmt ULAN Index : -	0. Connect Ethernet cable between ADS2400/4800 and
	Tagged Mgmt PDU Prio: 0 Sneed	PC.
	Operational Status : Down Admin Status : Up	
	\$	
		7. Verify Ethernet port was established.
		("ping" from PC to ADS2400/4800 and vice versa)
	Soownload sreatinage.bin.gz asst /noram/leimage.bin ip 442.108.100.180	Command – see notice 1) :
	Downloading the File	download src TEImage hin gz dest /nyram/TEImage hin
		download sie TEiniage.oni.gz dest /nvrani/TEiniage.oni
		ip 192.168.100.186
		$\mathbf{D}(\mathbf{r}, \mathbf{D}) = \mathbf{D}(\mathbf{r}, \mathbf{r}, \mathbf{r}) + \mathbf{D}(\mathbf{r}, \mathbf{r}) + \mathbf{D}(\mathbf{r}, \mathbf{r}) + \mathbf{D}(\mathbf{r}, \mathbf{r}) + \mathbf{D}(\mathbf{r}) + \mathbf{D}(\mathbf$
		PC's IP.(which IP I ftpd server is used)
		This nath was defined by system (Unchangeable)
	Download file size is 1888684	This pain was defined by system. (Onenangeable)
	Check if TEImage_bin shall uncompress	
	Uncompressing "IEImage.bin.gz" (1/99012->4194313) TEImage.bin.gz is in proper format	
4	Unlocking Flash	File name could be different from this one.
	Unlock successful	For example:
	Erasing Flash	TOI CAMIDIC.
	Erasing successful	"FW-ADS2400_V200_IP1000.bin.gz"
	Starting to Uncompress TEImage_bin.gz and Burn Flash	(It should be some as boot file on Tftpd32
	01COMPFESSING 121Mdge.011.92 (1/99012-74194313)	(It should be same as boot the on Tripusz
	Flash Programmed successfully	configuration.
	Starting Flash locking	
	Block 7 locked	=>Refer to step 1 of "Tftpd32 configuration"
	Block 8 locked Block 9 locked	
	Block 10 locked Block 11 locked	
	Critical sections of Flash Locked successfully Done	
	- Download session Completed,Bytes received 1800684	
	\$	
	Sreboot	command '
		commanu .
	Kebooting?	reboot
	WEICOME LO IL DILMM	8. Reboot the system after download completed.
	Software Release: COL2.6.1.0.040412 1.02.040726.ADSL2+ Date: Jul 26 2004	
5		
	Initializing Memories Success	
	Press 'F1' Lu enter interactive mode, 'Enter Lu skip 5 Seconds left	
	ost ore incorrequest for interactive modetoutthoung	
	HIL CHE FILES AFE IN FIASH, NO FFF FEQUIFED	
	All the files have been successfully received	
	Transferring Control to Decompressor	
	Initializing sustem	
	Initializing system over	

	Software Release: COL2.6.1.0.040412 1.02.040726.ADSL2+ Date: Jul 26 2004	
	<co-00bbccddeeff></co-00bbccddeeff>	
	login:	
	login: Thu Jan 01 00:01:23 1970 : STATUS ALARM : System Up	
	login: Thu Jan 01 00:01:23 1970 : STATUS ALARM : System Up login:	