

Chapter 9: WAN Backup

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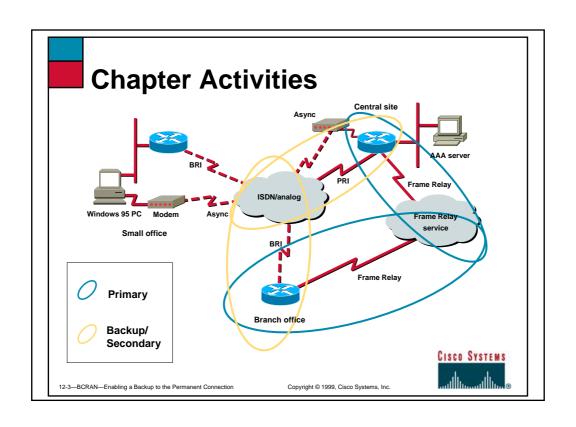
Objectives

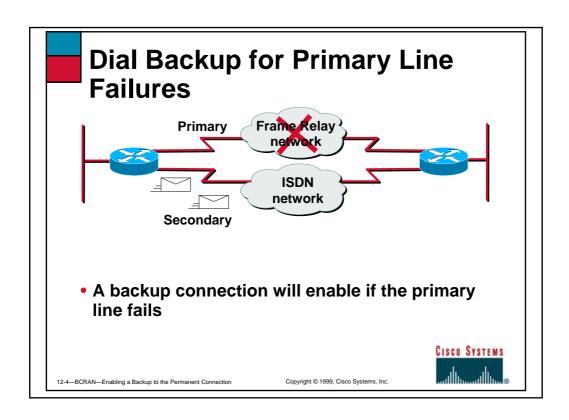
Upon completion of this chapter, you will be able to perform the following tasks:

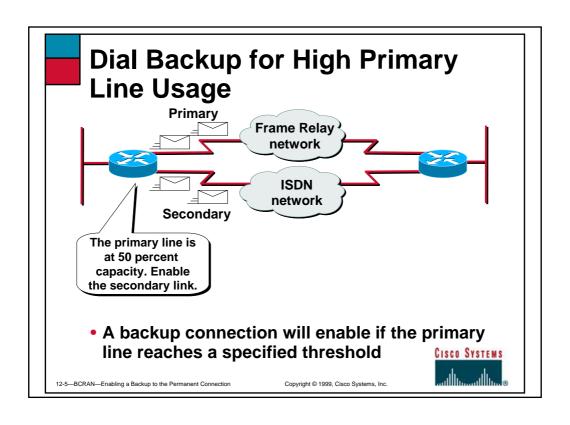
- Configure a backup connection that activates upon primary line failures
- Configure a backup connection to engage when the primary line reaches a specified threshold
- Configure a dialer interface and backup interface to function as backup

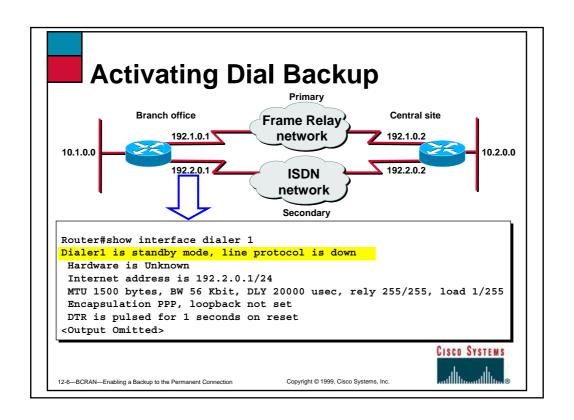


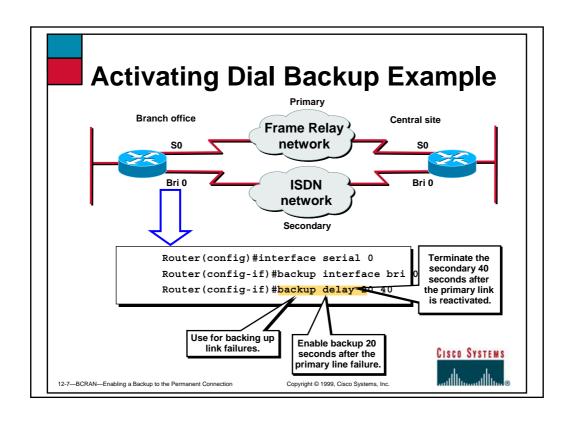
2-2—BCRAN—Enabling a Backup to the Permanent Connection

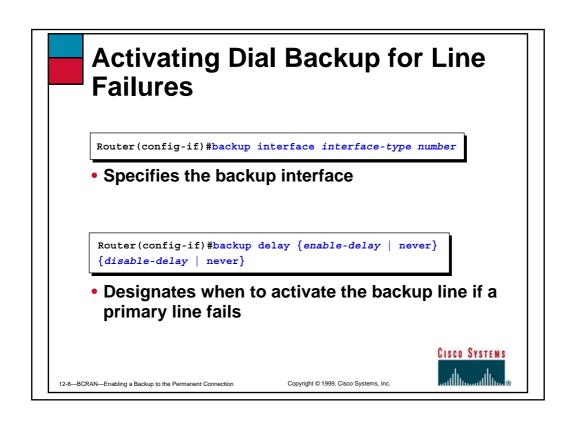


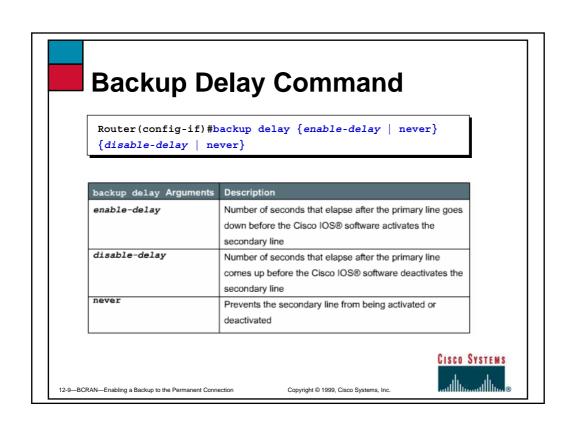


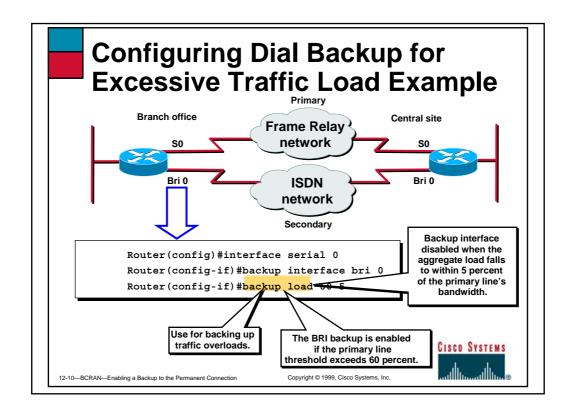


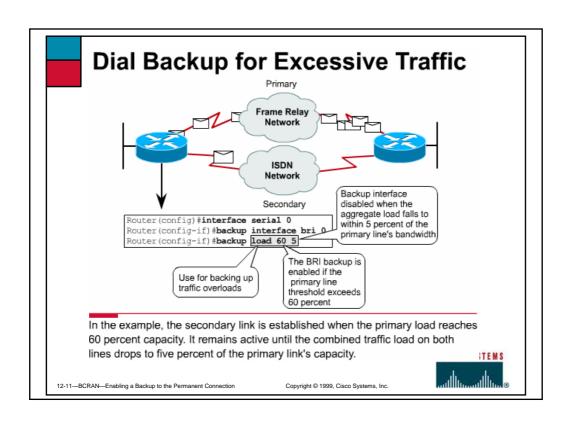


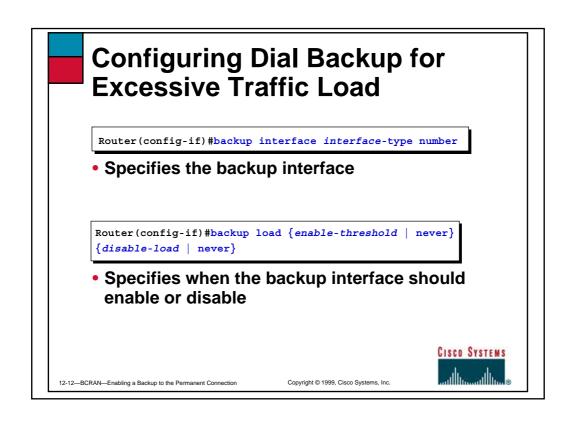














Backup load Command

Router(config-if)#backup load {enable-threshold | never}
{disable-load | never}

backup load Arguments	Description
Enable-threshold	Percentage of available bandwidth of the primary line that
	the traffic load must exceed to enable dial backup.
disable-load	Percentage of available bandwidth of the primary line that
	the traffic load must be less than to disable dial backup
never	Prevents the secondary line from being activated or
	deactivated.



12-13—BCRAN—Enabling a Backup to the Permanent Connection

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Backup Interfaces Operations

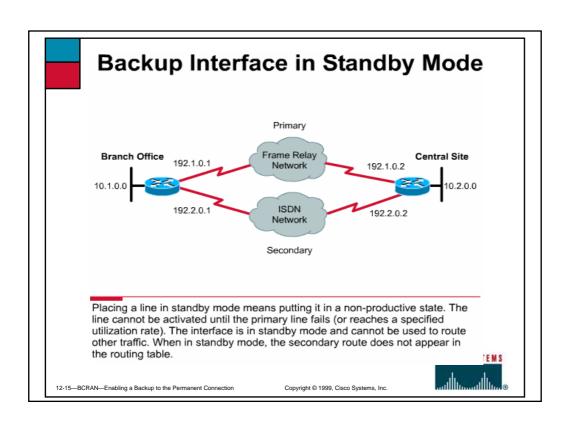
Standby Mode

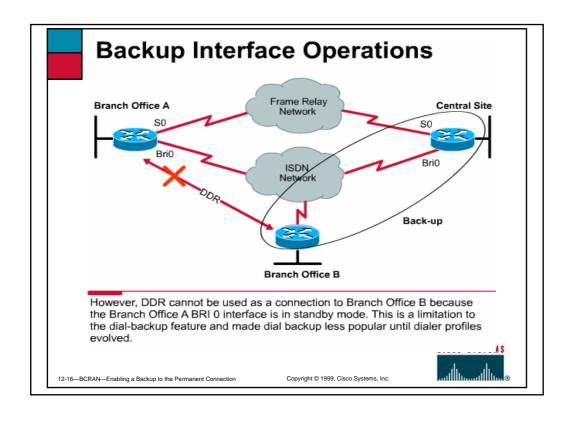
The Backup Interface is in Standby Mode

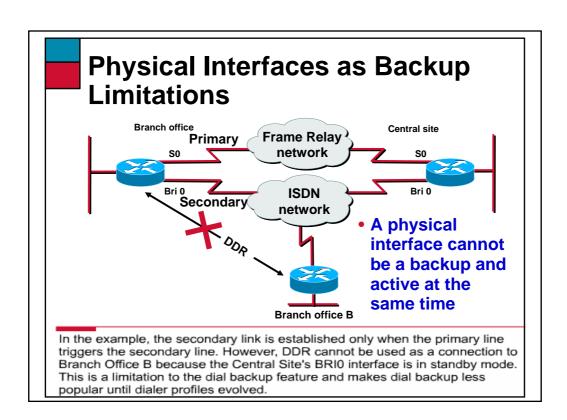
RTA#show int bri0/0
BRI0/0 is standby mode, line protocol is down
Hardware is PQUICC BRI with U interface
Internet address is 192.168.16.4/24
MTU 1500 bytes, BW 64 Kbit, DLY 20000 usec,
reliability 255/255, txload 1/255, rxload 1/255
Encapsulation PPP, loopback not set
<output ommited>

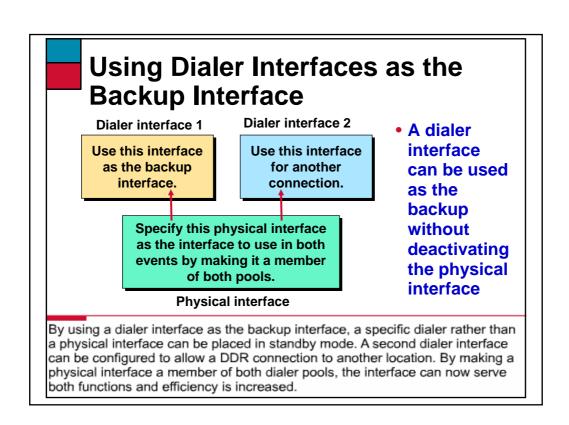


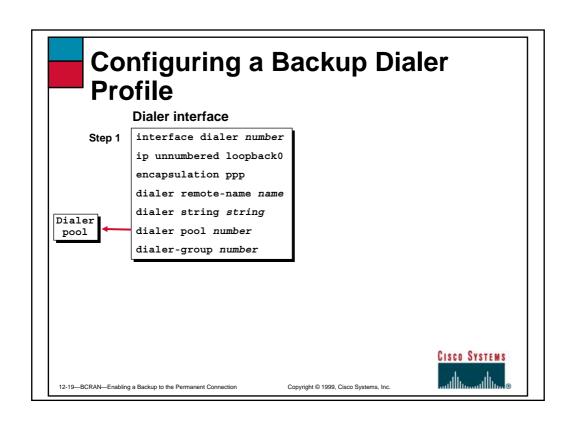
12-14—BCRAN—Enabling a Backup to the Permanent Connection

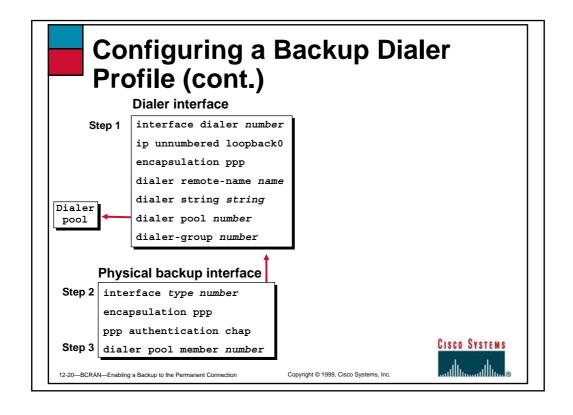


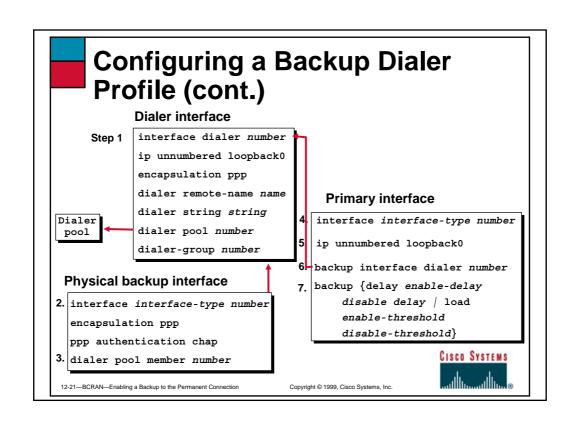


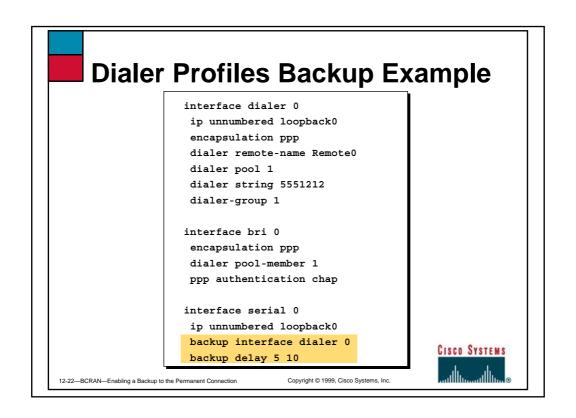


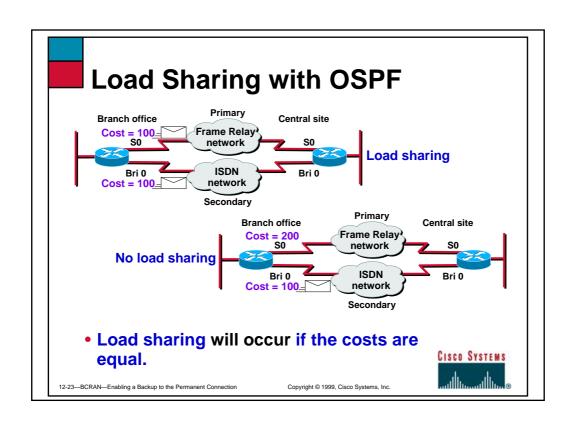


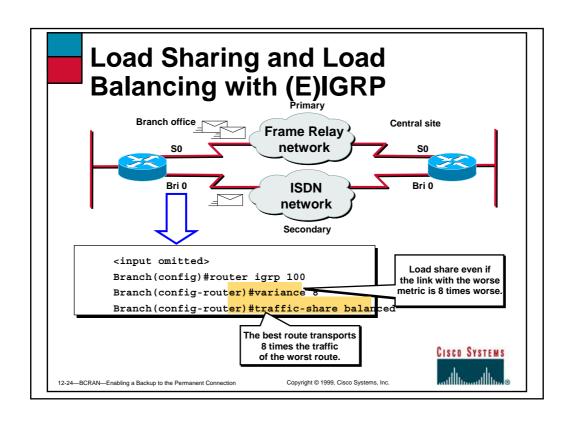


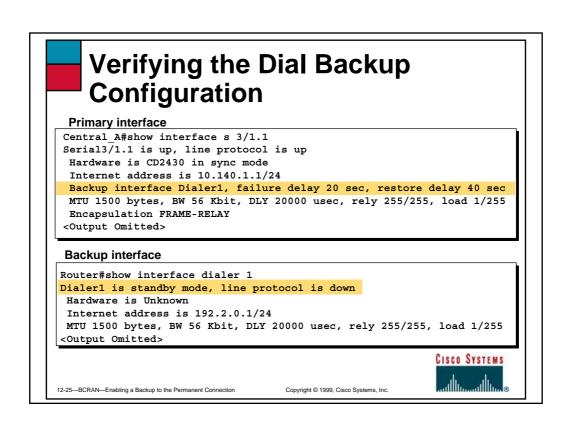


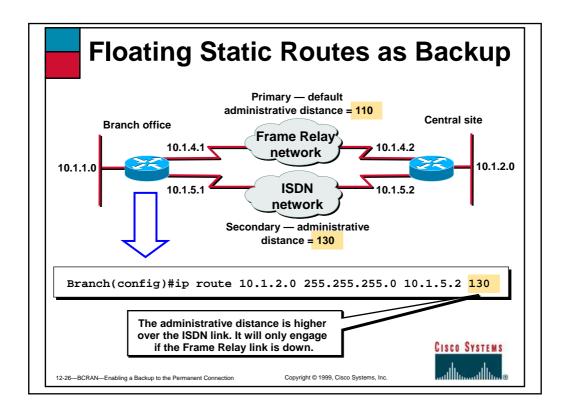


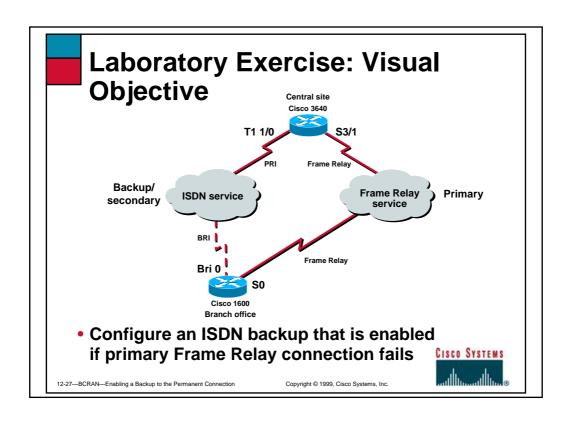












Summary

After completing this chapter, you should be able to perform the following tasks:

- Configure a backup connection that activates upon primary line failures
- Configure a backup connection to engage when the primary line reaches a specified threshold
- Configure a dialer interface and backup interface to function as backup



12-28—BCRAN—Enabling a Backup to the Permanent Connection



Review Question

 What are two circumstances or scenarios in which a backup interface will be enabled?



12-29—BCRAN—Enabling a Backup to the Permanent Connection