

How Does Failover Work?

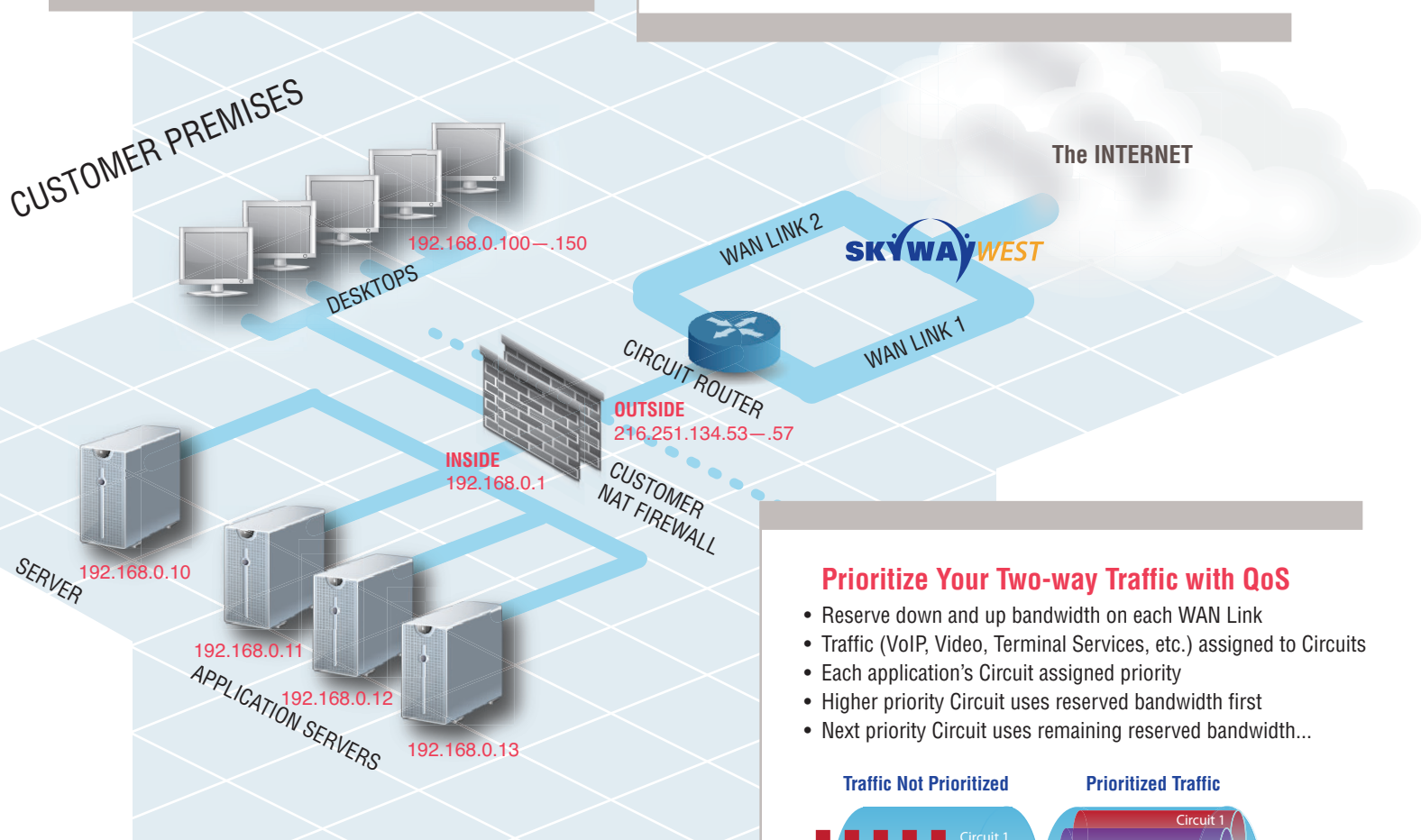
Combining multiple Internet services enables your business to fail over from one Internet connection to another and optimize your business network to take advantage of the bandwidth and attributes of each connection.

We Failover All Technologies

- WAN (Wide Area Network) Links can be dsl, cable, fibre, cellular data, fixed wireless, satellite
- Links can be from Skyway or any other provider
- WAN IPs assigned by ISP; one can have dynamic IP

Your IP Addresses Never Change on Failover

- IP outside customer firewall never changes
- Skyway provides 5 IP addresses; more on request
- Skyway IPs never change on failover
- Incoming traffic unaffected if connection fails
- Port forwards on customer firewall unaffected if connection fails



Can You Risk Internet Downtime?

Tangible/Direct Costs

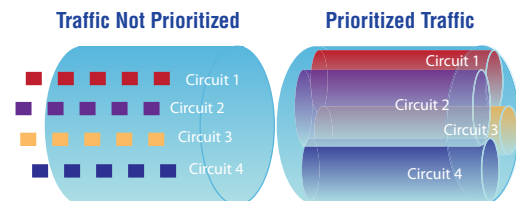
- Lost sales; POS, credit and debit machines down
- Inaccurate records; inventory and CRM systems not updated
- Lost productivity; staff and remote users waiting for reconnection
- Extra costs; overtime and IT consultants brought in
- Legal liability, service level agreements not met

Intangible/Indirect Costs

- Frustrated staff
- Overwhelmed IT support
- Lost business opportunities
- Failure of off-site backup
- No access to cloud computing
- Angry customers

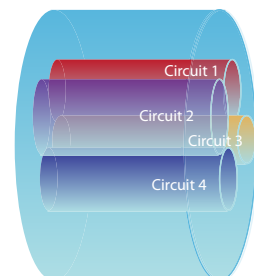
Prioritize Your Two-way Traffic with QoS

- Reserve down and up bandwidth on each WAN Link
- Traffic (VoIP, Video, Terminal Services, etc.) assigned to Circuits
- Each application's Circuit assigned priority
- Higher priority Circuit uses reserved bandwidth first
- Next priority Circuit uses remaining reserved bandwidth...



Set Priority Values for Circuits (VoIP, video, Terminal Services, etc.)

Reserved Bandwidth
cannot exceed
minimum available
WAN bandwidth

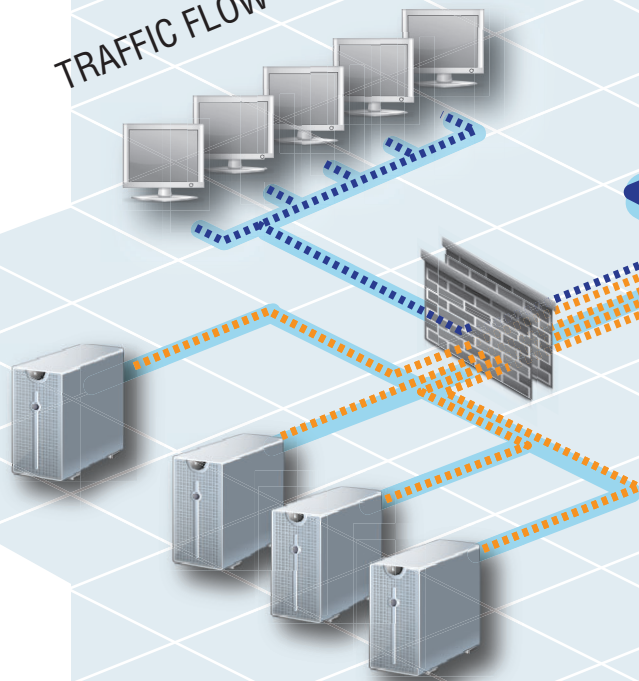


Policy Routing Facilitates Traffic Flow

- Traffic tagged based on a variety of metrics including IP Addresses, Type of Service (TOS) bits, Protocol and Port ranges
- All tagged traffic assigned Circuits 1, 2, 3, or ...
- All untagged traffic assigned remaining Circuit
- Each Circuit routed through each WAN link
- Circuits failover to another WAN link

-  WAN 1 Traffic
-  Tagged traffic: Circuits 1, 2, 3, 4, etc.
-  WAN 2 Traffic
-  Untagged traffic: remaining Circuit

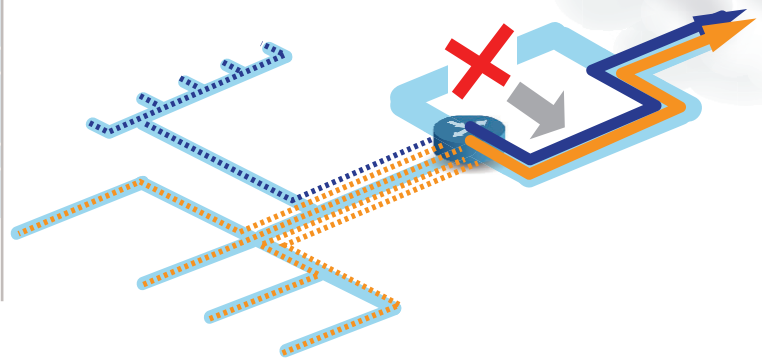
TRAFFIC FLOW



The INTERNET

Failover Ensures Your Survivability

- WAN1 fails to WAN2 and WAN2 fails to WAN1, etc.
- Failover router pings through each WAN link
- Failover within 30 seconds of 100% packet loss
- Circuits that fail over retain their QoS priority
- Even in the unlikely event that Skyway is down, *you* survive: Last Resort Failover retains outbound services even if Skyway is unreachable



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SKYWAY WEST is a Vancouver based ISP delivering Business Network Solutions and High Speed Internet Access Services since 1996. We offer Unified Communications, Internet Security, Bonding, Failover, Private Networking, Full Duplex Fibre, Business DSL, Cable, and Cellular Data throughout Canada.