Traffic Prioritization

Who plan to use traffic prioritization ?

Prioritization - Why ?

- Congestion on the WAN
- Delay-sensitive data
- Interactive traffic

Cisco approach

- Cisco offers two means to prioritize the traffic
  - Priority Output Queuing
    - packets on the highest-priority queue are transmitted first.
  - Custom Queuing
    - bandwidth is allocated proportionnally for each different class of traffic

Custom Queuing (1)

- Guarantee a minimal level of service to all protocols
- Guarantee that mission-critical data is always transmitted
  - percentage of bandwidth is reserved for special protocol

Custom Queuing (2)

- How It works :
  - up to 16 queues
  - byte count associated with each queue
  - queues are cycled sequentially

Equant form (1)

- Model of traffic :
  - critical or not
- Kind of traffic
  - transactional, Client/Server, other.
- Windows size of the application

Equant form (2)

- Traffic identification
  - protocol
  - source and destination address
- Percentage of bandwidth used
- Packet size

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Round table : your requirements