

Select Class-of-Service™

Tools to manage and optimize private IP networks

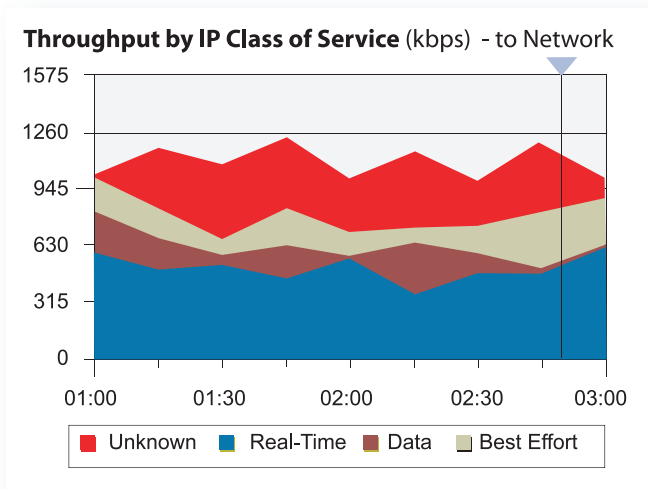
Benefits

- Optimize application performance by monitoring CoS prioritization
- Understand the impact of new applications and assign correct prioritization per application
- Reduce the risk of poor performance by quickly identifying incorrectly prioritized applications
- Measure and validate SLA parameters for each individual traffic class across the entire network
- Improve performance of business-critical applications by ensuring utilization does not exceed CoS policing threshold levels
- Buy now or add later as part of the Visual UpTime™ Select® network and application performance management system

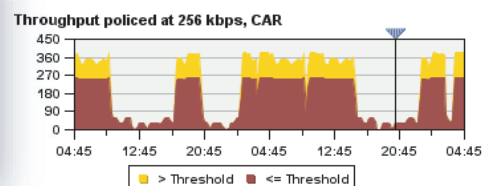
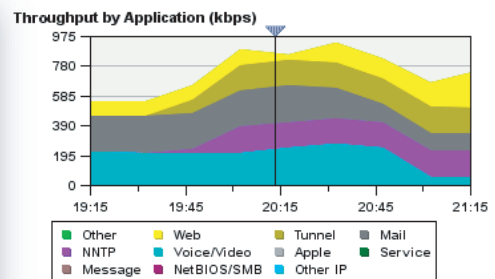
As enterprises deploy private IP/MPLS-based IP VPNs, the Class-of-Service (CoS) feature is beneficial by allowing you to set priorities for individual applications. For example, you can give the most business-impacting or latency-sensitive applications higher priority. However, you must monitor CoS usage to ensure you are not exceeding thresholds on your network.

The Visual UpTime® Select™ Class-of-Service™ software module provides the critical visibility you need to manage and optimize CoS settings for private IP environments. Working in conjunction with other Visual UpTime Select software modules, Select Class-of-Service helps you manage and fine-tune application performance as well as validate SLAs for each traffic class.

Validate class-of-service delivery



View traffic classifications by IP Class-of-Service to prioritize applications.



IP CoS:

Track applications for each traffic class

Select Class-of-Service monitors and measures up to eight different traffic classes and tracks utilization for each application in each class. Now you can see how much bandwidth applications such as voice, video, Web, FTP and streaming are using for each class. You also can determine which priority new applications should receive as well as monitor their effect on existing applications.

Monitor bandwidth utilization

With private IP services, the service provider designates an amount of bandwidth or a threshold for each CoS setting. If the network becomes congested, or if utilization of any CoS goes above its threshold, prioritized traffic may be “policed” to best effort. This means mission-critical or time-sensitive traffic may drop to the lowest prioritization or be discarded. Select Class-of-Service lets you see the traffic in each traffic class and track utilization of all classes above and below threshold levels. Such timely data helps you fine-tune your CoS settings to assure the most important traffic gets the highest priority. You also can minimize the risk of exceeding thresholds.

Quickly identify incorrect settings

With CoS, you can select which priority each application receives. Based on this priority, the router tags the IP header with the appropriate setting. If the tag is set incorrectly, the network will not recognize the class and will forward the traffic at the lowest priority. Select Class-of-Service highlights these incorrectly configured settings or applications not prioritized by displaying an “unknown” category. This capability helps you quickly locate the improper setting and improve application performance.

Manage SLAs for every CoS setting

Different applications have different characteristics and needs based on the enterprise. For example, VoIP is extremely sensitive to delay and jitter while email is not as time sensitive. So most enterprises would give VoIP a higher priority than e-mail. Since each class has a different priority, the service level metrics should also change based on the class setting.

Visual Service Advisor™ gives you an up-to-the-minute view of critical SLA parameters, including latency, availability and data delivery ratio for each class setting. Now you can compare the performance across classes such as “real-time” and “best effort” to ensure the most business-critical traffic has the strongest SLAs. In addition, Visual UpTime Select extends SLA visibility all the way to the service boundaries at each enterprise location.

NETWORK SUPERVISION

Fluke Networks
P.O. Box 777, Everett, WA USA 98206-0777

Fluke Networks operates in more than 50 countries worldwide. To find your local office contact details, go to www.flukenetworks.com/contact.

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