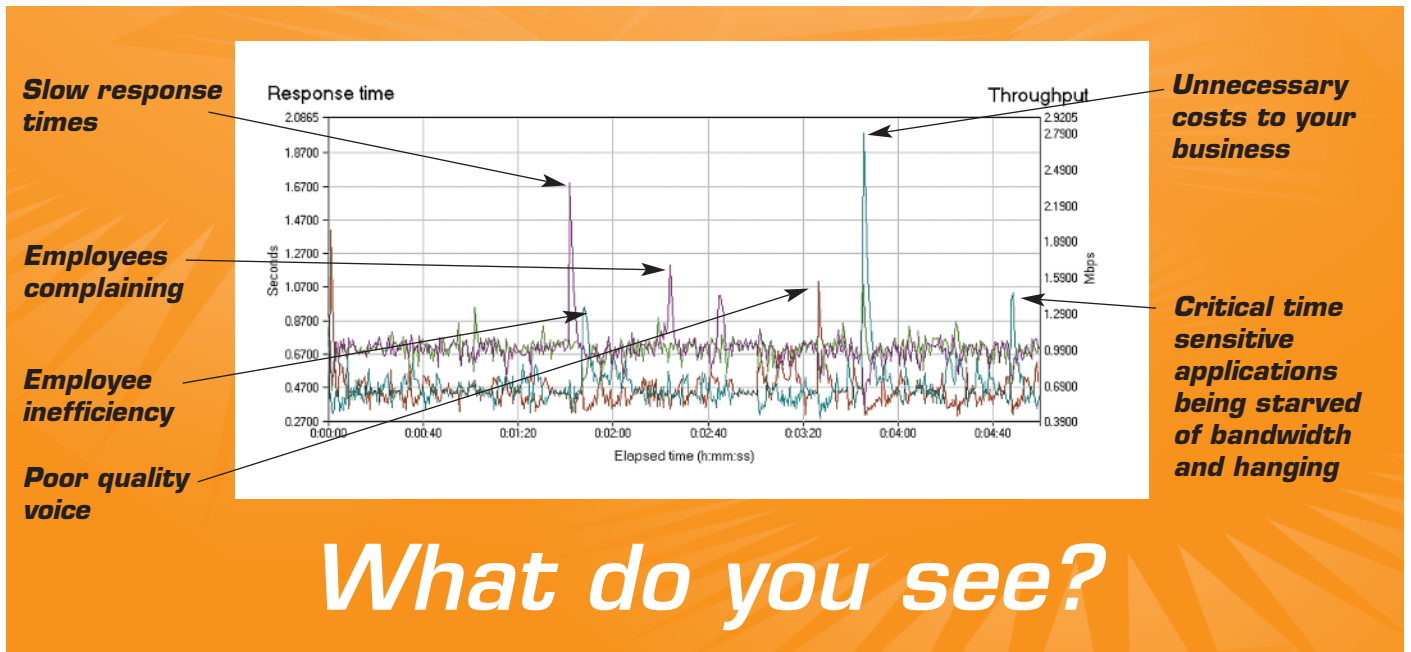




the art of measurement

Quality of Service Validation



We see poorly provisioned Quality of Service

The end user will see:

- Slow response time (at best)
- Bandwidth starved applications
- Non graceful closure of key applications
- Poor voice quality
- Call drop out
- Complete failure of time sensitive applications
- Poor or inoperable video conferencing.

What impact does this have on your business?

The demands on modern networks are constantly increasing as the world migrates to a unified topology of voice, video and data. The unified network offers a wealth of new opportunities whilst at the same time providing significant cost savings on traditional services.

The end user's expectations will not change. They demand each service respond at the same level in the unified network as in the secular networks. The IP Phone must provide the same quality as the PABX, video needs to look like cable TV and accessing the company's CRM remotely as if it was in the server room next door must be possible. For a successful deployment both new and existing applications must share resources intelligently.

Every business presents a unique profile to the network. Quality of Service is the art of balancing applications within this profile for characteristics that best accommodate the needs of the business.

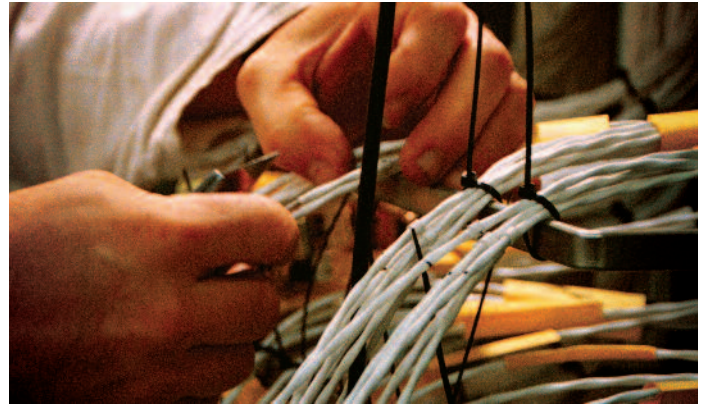
The alternative is to increase unnecessary and expensive bandwidth to poorly provisioned networks.

With accurate and meaningful information on relevant network metrics, sub-optimal performance and unnecessary ongoing costs are easily avoided.

The underlying function allowing time sensitive and high priority traffic such as voice is Quality of Service. Our network assessment completely validates Quality of Service performance and configurations under all network conditions before and after the applications are deployed.

This includes advanced techniques and instrumentation to provide:

- Real-life client/server application traffic emulation
- Customer traffic/capture replay used to emulate your user profile
- Emulation of multiple VoIP calls on all common CODECS for service assurance during under utilised and stressed conditions
- Emulation of VoIP signalling for complete validation of all network elements including servers
- Statefull emulation of video and content servers for high bandwidth, high priority applications
- QoS performance measurement per queue.



The Celemetrix Story

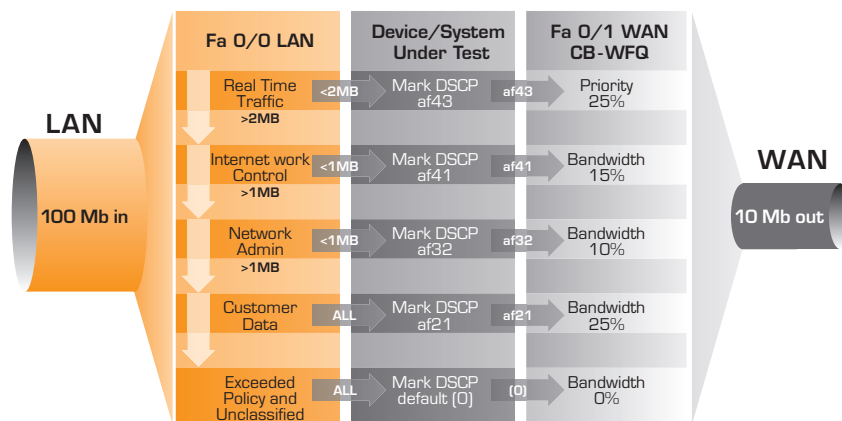
Celemetrix's expertise and focus is the validation and analysis of network performance.

Celemetrix's experience is gained from working in the total lifecycle of new and developing technologies.

Celemetrix is integral from the very beginning in the proof of concept labs of the biggest names in the industry to ongoing support of the deployed technology.

Celemetrix's network professionals are equipped with a range of instrumentation from industry recognised leaders in application emulation and Quality of Services conformance, instrumentation that companies simply could not justify ownership of.

High Level Quality of Service Summary



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