

The ease of use and openness of both internet and networking protocols in general has fuelled a rapid growth in the use of IT in our daily lives. Our aim is to provide high quality, cost-effective technical consultancy and project management to our customers.

We provide an on-site technical consultant to discuss your requirements. We will focus on your specific needs and work out how best your future network is going to serve your business. Part of our consultancy service is to provide a network healthcheck to baseline your current IT infrastructure and installation and from that, work with you to determine the best approach to move forward.

Network Assessment:

- Full 7 layer analysis of your data and broadcast traffic both LAN & WAN
- Error frames captured to see how interconnecting devices are coping with the traffic they process
- Upper layer errors are captured which show the impact on your network applications and show users of trouble along the data paths
- Discover errors in the way Servers and Applications respond to user requests
- Evaluate configurations of Windows NT, 2000 and Novell NetWare

Process:

NG Sniffers are deployed to capture data from the several monitoring points identified. These trace files are evaluated by our consultant in Frame and Protocol analysis for suggestions as to what is really happening on the network.

Servers are evaluated along with Network Operating Systems for stability, exposure and performance.

A formal report is provided with tables and graphs which contain a complete analysis of the monitored segments of your network along with recommendations for improvement and a corrective action list.

Network optimisation:

- Increase network throughput substantially without major cost outlay
- Prepare for eCommerce application needs by eliminating wasteful use of bandwidth
- Minimise the number of and duration of 'Downed Network' and 'Slow Network' incidents

Process:

NG Sniffer and other SNMP/RMON tools are utilised to determine where the data is actually going and how many extra trips it needlessly takes before arriving in its final location.

Network charts are created which suggest ways of eliminating such wasteful practices.

The protocols used by your applications to communicate will also be determined.

Hubs, Switches and Routers will be profiled for even workload.

Application Profiling:

- Learn how your new or upgraded applications will actually behave on an OSI compliant network
- Discover any configuration which are code friendly but network destructive
- Prevent many of the high costs of unwanted surprises during application deployment

Process:

Transaction scripts are used to execute individual transactions from the application being profiled.

Monitoring points or data intersections are determined and the network segments involved are chartered.

Individual transactions are monitored with NG Sniffers for Layer 4 ports used, date to millisecond throughput, other critical information and unwanted surprises.

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