

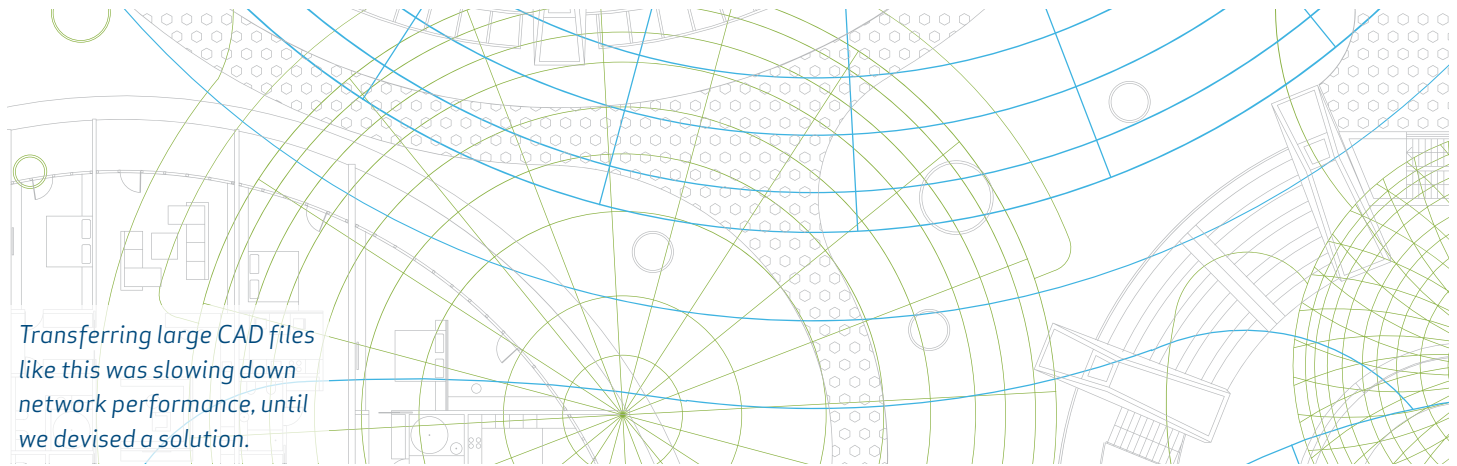


How we unclogged a network traffic jam for a fraction of the cost of more bandwidth.

Plagued by **slow file transfers** between its three offices, a company paid for an expensive bandwidth upgrade. **It didn't help.**

They called us in for a network assessment. We uncovered the surprising source of the problem, and our solution cost a fraction of the upgrade.

THE CHALLENGE



Transferring large CAD files like this was slowing down network performance, until we devised a solution.

A prominent electrical contracting company serving customers across the southeast was frustrated by sluggish network performance. The problem affected major projects (e.g. the construction of a world-class stadium), where speedy transfer of large CAD files was critical—not only to the project, but to the contractor’s reputation.

The company’s IT staff turned to their outside provider for solutions. The outside provider recommended a significant expansion of bandwidth across the network—a costly solution, but worth the expenditure if it fixed the problem.

Greater bandwidth did not improve performance. Both internal and external IT teams were perplexed.

The contractor sought a second opinion. Sensing that their needs had outgrown their IT provider’s

capabilities, the company asked Dynamic Quest to take a look at the problem. We sent a team to perform a network assessment.

Our network assessment identified the source of the slowness. The expensive bandwidth upgrade had been unnecessary. The network was bottlenecked at just a few junctures that slowed all traffic.

Incoming network traffic was not being distributed efficiently. Load balancing needed fixing, and the network needed some new servers. In addition, a small number of obsolete switches scattered across the network were holding things up.

Network Assessment Success in 4 simple steps

1

Gather knowledge of the present network

2

Identify weaknesses and strengths

3

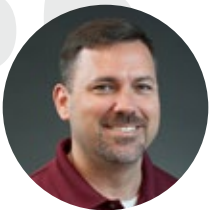
Compile recommendations to resolve problems and enhance performance

THE SOLUTION

The company agreed with our analysis and gave us a green light. It wasn't long before the network was delivering even the largest files in a flash.

First, our hardware team replaced the outdated switches. Then our software specialists optimized load balancing, evenly distributing network traffic across the back end servers (including the new ones we installed). We conducted all this work in the background, with no network downtime required.

Network speed tripled with no disruption to their operations.



Our IT specialist uncovered the load balance problems, replaced the servers and increased their network performance by 300%

—DQ Engineer

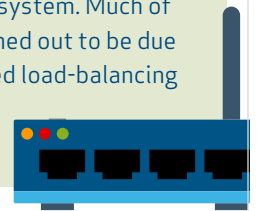
Results

- ⦿ Network speed dramatically increased
- ⦿ Environment significantly stabilized
- ⦿ Operational efficiency improved
- ⦿ New capacity enabled seamless integration of two new offices
- ⦿ Scalable solution is future-ready

The standard diagnosis was wrong.

When a company suffers from slow file transfers, it's easy to offer "more bandwidth" as the solution. But the easy answer isn't always the right one.

Our team took nothing for granted. Their preliminary analysis suggested specific bottlenecks that were slowing down the whole system. Much of the problem turned out to be due to some outdated load-balancing switches.



Lessons Learned

- ⦿ A major overhaul may not be a good solution
- ⦿ Careful analysis can identify hidden problem areas that are less costly to fix
- ⦿ A smart solution often requires expertise in multiple areas
- ⦿ Companies can outgrow their IT providers as their needs expand



4

Provide recommendations for cost control and operational savings

300%

INCREASE IN
NETWORK
PERFORMANCE



Our Network Assessment can save you money.

We don't jump to the "obvious" conclusion.

Because the everyday answers aren't always right. We'll look at your network methodically, without assumptions.

You don't need a problem to need an assessment.

Even when your network is performing well, our assessment can help you plan for what's ahead, both in terms of technology and your own business.

There's no downside.

You can take our analysis with no further obligation.

Sign up for our comprehensive Network Assessment.

[CLICK HERE](#) Or call: 336.369.0455

Assessment Report



We'll deliver a comprehensive report summarizing our findings.

It's a useful guide to how well your technology is serving you, and how it might serve you better.

It includes:

- Results from a battery of hardware and software tests
- Prioritized list of performance issues and risks
- Tiered recommendations for resource allocations
- Much, much more