



## Fresno Pacific University

Fresno Pacific University became concerned about illegal P2P file trading after adding up a number of factors. First, on-going news reports indicated that the Recording Industry Association of America (RIAA) was aggressively pursuing copyright infringement at schools across the country. Second, the campus network was experiencing errors and bandwidth problems. Finally, the top-25 bandwidth consumers were suspected P2P users. Now the university prevents all P2P use with the CopySense™ Network Appliance.

*“Why not just remove the temptation to engage in illegal or questionable file trading? The CopySense Appliance is a very reasonably priced product that does everything it claims.”*

*—Andrew Bodine, Network Administrator*

### Overview

#### Industry

- Education / Christian University

#### Challenges

- P2P problems were in the news but the University had not investigated their own network
- The network was experiencing errors and performance problems
- Top bandwidth users were not web or business related
- Operations became concerned that students may be engaged in questionable or illegal P2P activity
- Firewall product proved to be ineffective against P2P

#### Solution

- Install the the CopySense® Network Appliance
- Verify the extent of P2P getting past the firewall
- Set a no-P2P policy
- Block all P2P transactions

#### Benefits

- CopySense Network Appliance blocks illegal file trading from the widest range of P2P applications
- User privacy is protected
- Bandwidth is recovered
- Appliance is very simple to set up and administer

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Fresno Pacific University offers undergraduate and graduate programs that stress solid academic preparation and a strong ethical foundation. Each year more than 2,000 traditional and adult students attend classes on the 42-acre main campus in southeast Fresno or at centers in Visalia and Bakersfield. The university also reaches 12,000 students across the nation and around the world through professional development studies programs. The only four-year Christian university in California's Central Valley, FPU is accredited by the Western Association of Schools and Colleges and ranked in the top quarter among Western Universities—Master's Category by U.S. News & World Report.

After joining Fresno Pacific as Network Administrator, Andrew Bodine began thinking about P2P on the campus network. Up to that point, nothing had been implemented to even determine if P2P were a concern. However, it was known that the network was suffering problems. Among other issues, attempts to send large files to printing service vendors via FTP were failing. Bodine looked at his top-25 bandwidth users and found an enormous amount of data that was not web or business related. “At that point, I knew we needed to do something,” said Bodine.

Another eye-opener was a survey among the campus population that indicated most students weren't aware there was anything illegal about trading copyrighted media files. Bodine became alarmed, “I like my job. We don't need to be dealing with the RIAA or any of the others going after institutions.”

Bodine suspected his firewall might not be controlling P2P effectively, and he decided to bring in the CopySense Appliance on an evaluation. The CopySense Appliance showed that even with the firewall in place, P2P was consuming up to 15% of the total bandwidth, and this was during the summer session with no dorm population. The firewall vendor announced layer-7 filtering, claiming coverage of P2P applications. However, according to Bodine, “Even with the latest firmware features, the firewall only sees one-eighth the P2P activity caught by the CopySense Appliance. The firewall doesn't even recognize the applications which are our biggest P2P offenders.”

The CopySense Appliance also indicated an equal amount of P2P traffic was coming from the portion of the network that served faculty and staff offices, which also included student employees.

The CopySense Appliance is now set to block all P2P transactions. According to Bodine, “We issued a communication explaining the University was curtailing P2P activity to prevent legal concerns, recoup bandwidth and save costs.” After enabling the CopySense Appliance blocking features, Bodine noted several P2P attempts, and then they shortly went away. “And I've not heard a single complaint,” said Bodine.

According to Bodine, “For a networking staff of two, the CopySense Appliance is wonderfully simple to install and run. We also like the fact that it protects privacy. We can just turn it on, and it blocks P2P without us having to know where the attempts are coming from.” The CopySense Appliance also won kudos from Bodine's management. “My boss is pleased that we've spent a relatively small amount to protect ourselves and regain bandwidth.”