

Cyber Seminar Network Test Results

By Sandy Williamson to ITAC
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Testing approach

- 28 cable/DSL users, 42 geonet users, 1 dialup user
- Prime time, Friday, Nov. 2 at 2:30 pm
- 2 phases, slides and desktop sharing
- 21 Slide transfer sizes 55K to 165K 3 replicates of each size level
- Desktop sharing of a variety of software from three different off net presenter

Powerpoint Slide Results

- cable/DSL users - none slide delay of more than 5 seconds. The average delay was 1.1 seconds with a standard deviation of 0.8 s.
- geonet users - 80% had at least one slide delay longer than 11 seconds. Most of those 7 with adequate performance were in Reston, Menlo or Denver. Most of those with at least one slow slide delay had several, including some that never appeared before the 30-90 second delay until the next slide. The average delay for geonet users was 7.8 seconds with a standard deviation of 18.8 s.

Powerpoint Slide Results #2

- We had a dial-up (56k) connection in the Tacoma office that had better performance than 2/3 of the geonet testers. The average delay was 4.1 seconds with a standard deviation of 6.2 s, although $n=1$ is not enough to quantify this result.
- slide delay seemed not to be well correlated with the slide sizes that varied from 55 to 165 Kbytes.
- slide delay was also not well correlated to number of hops [less hops for geonet 17 vs. 24]
- Geonet users did have longer traceroute/ ping timing

Application sharing

- Application sharing where all attendees see the presenter's entire PC screen with whatever applications they are running in real time was very successful for the cable/DSL users, and the few geonet users with good slide performance. It was tolerable even for the dialup connection, but intolerable for most of the geonet users.

Network Suggestions from Raindance / Contigo

- No other customers of theirs have a network architecture like ours with 12,000 employees sharing two internet gateways

Recent Activity

- Bob Wakelee has helped WI get a direct T1 internet connection to a local ISP, paid for by NAWQA