

**PathView™**  
**Data Assessment Report**

**June 11, 2009**

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## SUMMARY TEST RESULTS - ALL PATHS

A total of 5 network segments were tested from 2 Sequencers.

### Path Readiness



|             |   |        |
|-------------|---|--------|
| ■ Excellent | 1 | 20.0%  |
| ■ Good      | 2 | 40.0%  |
| ■ Very Poor | 2 | 40.0%  |
| <hr/>       |   |        |
| Total:      | 5 | 100.0% |

### Diagnostics and Observations

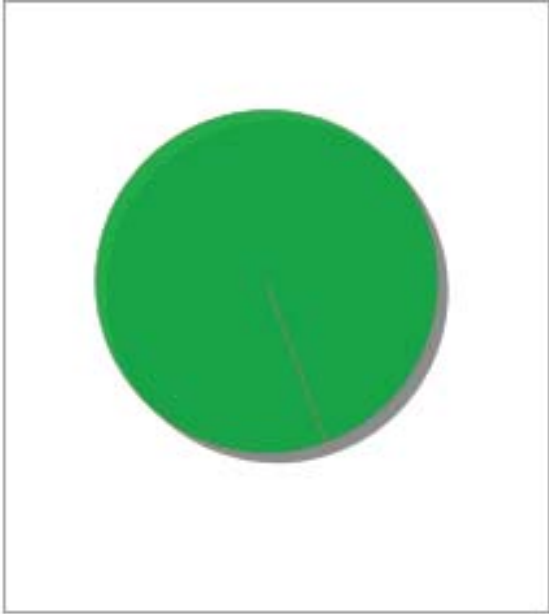


|   |   |        |
|---|---|--------|
| ■ Half/Full-duplex conflict detected                  | 1 | 11.1%  |
| ■ Media errors detected                               | 1 | 11.1%  |
| ■ Packet loss detected                                | 2 | 22.2%  |
| ■ Packet reordering detected                          | 3 | 33.3%  |
| ■ Sub-optimal performance detected - network capacity | 2 | 22.2%  |
| <hr/>   |   |        |
| Total:  | 9 | 100.0% |

## SUMMARY TEST RESULTS - SEQUENCER "174.143.4.166"

1 network segment was tested from this Sequencer.

### Path Readiness



|             |   |        |
|-------------|---|--------|
| ■ Excellent | 1 | 100.0% |
| <hr/>       |   |        |
| Total:      | 1 | 100.0% |

[For more detail see diagnostics matrix for all paths tested from this Sequencer.](#)

## SUMMARY TEST RESULTS - SEQUENCER "69.20.5.103"

4 network segments were tested from this Sequencer.

### Path Readiness



|             |   |        |
|-------------|---|--------|
| ■ Good      | 2 | 50.0%  |
| ■ Very Poor | 2 | 50.0%  |
| <hr/>       |   |        |
| Total:      | 4 | 100.0% |

### Diagnostics and Observations




|   |   |        |
|---|---|--------|
| ■ Half/Full-duplex conflict detected                  | 1 | 11.1%  |
| ■ Media errors detected                               | 1 | 11.1%  |
| ■ Packet loss detected                                | 2 | 22.2%  |
| ■ Packet reordering detected                          | 3 | 33.3%  |
| ■ Sub-optimal performance detected - network capacity | 2 | 22.2%  |
| <hr/>   |   |        |
| Total:  | 9 | 100.0% |

[For more detail see diagnostics matrix for all paths tested from this Sequencer.](#)

## DETAILED PATHVIEW TEST RESULTS



### [Duplex Conflicts \(Detailed Test Results\)](#)

| Test ID                                  | Path Readiness  | IP Address     | Name      | BW Mb 2-way  | Util % | Loss % | ReOrd % |
|--|---|----------------|-----------|--|--------|--------|---------|
| 1062                                     |  | 216.139.249.44 | ora-app02 | -  | -      | 22     | 39      |
| Duplex mismatch; Packet loss; Reordering |   |                |           | Set duplex manually; Identify loss sources; Check for load balancing |        |        |         |


### [Media Errors / Congestion Causing Loss \(Detailed Test Results\)](#)

| Test ID                   | Path Readiness  | IP Address     | Name      | BW Mb 2-way                              | Util % | Loss % | ReOrd % |
|---------------------------|---|----------------|-----------|--|--------|--------|---------|
| 1070                      |  | 216.139.249.43 | ora-app01 | 127                                      | 23.9   | 13     | 0       |
| Media errors; Packet loss |   |                |           | Check cards/media; Identify loss sources |        |        |         |



### [Sub-Optimal Performance \(Detailed Test Results\)](#)

| Test ID                    | Path Readiness  | IP Address     | Name       | BW Mb 2-way                                 | Util % | Loss % | ReOrd % |
|----------------------------|---|----------------|------------|---|--------|--------|---------|
| 1118                       |  | 209.85.165.147 | intra-www  | 62.9  | 22.5   | 0      | 67      |
| Sub-optimal BW; Reordering |   |                |            | Check NIC drivers; Check for load balancing |        |        |         |
| 1042                       |  | 216.139.249.42 | fin-serv02 | 134   | 11.8   | 0      | 32      |
| Sub-optimal BW; Reordering |   |                |            | Check NIC drivers; Check for load balancing |        |        |         |



### Detailed Test Results - Sequencer "174.143.4.166"

| Test ID | Path Readiness  | IP Address   | Name          | BW Mb 2-way | Util % | Loss % | ReOrd % |
|---------|---|--------------|---------------|-------------|--------|--------|---------|
| 534     |  | 69.20.72.239 | exchange-corp | 192         | 11.4   | 0      | 0       |

### Detailed Test Results - Sequencer "69.20.5.103"

| Test ID                                  | Path Readiness  | IP Address     | Name      | BW Mb 2-way  | Util % | Loss % | ReOrd % |
|--|---|----------------|-----------|--|--------|--------|---------|
| 1062                                     |  | 216.139.249.44 | ora-app02 | -  | -      | 22     | 39      |
| Duplex mismatch; Packet loss; Reordering |   |                |           | Set duplex manually; Identify loss sources; Check for load balancing |        |        |         |
| 1118                                     |  | 209.85.165.147 | intra-www | 62.9   | 22.5   | 0      | 67      |
| Sub-optimal BW; Reordering               |   |                |           | Check NIC drivers; Check for load balancing                          |        |        |         |

**Detailed Test Results - Sequencer "69.20.5.103"**

| Test ID                    | Path Readiness  | IP Address     | Name  | BW Mb 2-way | Util % | Loss % | ReOrd % |
|----------------------------|---|----------------|---|-------------|--------|--------|---------|
| 1070                       |  | 216.139.249.43 | ora-app01                                   | 127         | 23.9   | 13     | 0       |
| Media errors; Packet loss  |   |                | Check cards/media; Identify loss sources    |             |        |        |         |
| 1042                       |  | 216.139.249.42 | fin-serv02                                  | 134         | 11.8   | 0      | 32      |
| Sub-optimal BW; Reordering |   |                | Check NIC drivers; Check for load balancing |             |        |        |         |