# LAMPIRAN A

## Hasil Perhitungan Delay Router Jakarta

### Tanggal 5 Mei 2010

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Hasil Perhitungan Delay Rata-Rata

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Keterangan:
Delay RTT ukur diperoleh dari hasil Ping pada Lampiran C,
Sedangkan nilai d1 dan d2 diperoleh dari hasil Ping pada Lampiran D dan E.
## Hasil Perhitungan Delay Router Medan

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Tanggal 10 Mei 2010

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<th>Delay Transmisi (ms)</th>
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Tanggal 11 Mei 2010

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<th>Delay Transmisi (ms)</th>
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Hasil Perhitungan Delay Rata-Rata

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<th>Paket Data (bytes)</th>
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Keterangan:
Delay RTT ukur diperoleh dari hasil Ping pada Lampiran D,
Sedangkan nilai d1 diperoleh dari hasil Ping pada Lampiran E.
LAMPIRAN C
Data Hasil Ping Router Jakarta

Tanggal 5 Mei 2010

Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings>ping 10.0.1.21 -l 32

Pinging 10.0.1.21 with 32 bytes of data:

Reply from 10.0.1.21: bytes=32 time=25ms TTL=253
Reply from 10.0.1.21: bytes=32 time=20ms TTL=253
Reply from 10.0.1.21: bytes=32 time=20ms TTL=253
Reply from 10.0.1.21: bytes=32 time=21ms TTL=253

Ping statistics for 10.0.1.21:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
       Minimum = 20ms, Maximum = 25ms, Average = 21ms

C:\Documents and Settings>ping 10.0.1.21 -l 64

Pinging 10.0.1.21 with 64 bytes of data:

Reply from 10.0.1.21: bytes=64 time=29ms TTL=253
Reply from 10.0.1.21: bytes=64 time=22ms TTL=253
Reply from 10.0.1.21: bytes=64 time=20ms TTL=253
Reply from 10.0.1.21: bytes=64 time=20ms TTL=253

Ping statistics for 10.0.1.21:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
       Minimum = 20ms, Maximum = 29ms, Average = 22ms

C:\Documents and Settings>ping 10.0.1.21 -l 128

Pinging 10.0.1.21 with 128 bytes of data:

Reply from 10.0.1.21: bytes=128 time=27ms TTL=253
Reply from 10.0.1.21: bytes=128 time=21ms TTL=253
Reply from 10.0.1.21: bytes=128 time=21ms TTL=253
Reply from 10.0.1.21: bytes=128 time=20ms TTL=253

Ping statistics for 10.0.1.21:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
       Minimum = 20ms, Maximum = 27ms, Average = 22ms

C:\Documents and Settings>ping 10.0.1.21 -l 256

Pinging 10.0.1.21 with 256 bytes of data:

Reply from 10.0.1.21: bytes=256 time=26ms TTL=253
Reply from 10.0.1.21: bytes=256 time=22ms TTL=253
Reply from 10.0.1.21: bytes=256 time=22ms TTL=253
Reply from 10.0.1.21: bytes=256 time=22ms TTL=253

Ping statistics for 10.0.1.21:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
       Minimum = 22ms, Maximum = 26ms, Average = 23ms

C:\Documents and Settings>ping 10.0.1.21 -l 512

Pinging 10.0.1.21 with 512 bytes of data:

Reply from 10.0.1.21: bytes=512 time=28ms TTL=253

Universitas Sumatera Utara
Reply from 10.0.1.21: bytes=512 time=22ms TTL=253
Reply from 10.0.1.21: bytes=512 time=23ms TTL=253
Reply from 10.0.1.21: bytes=512 time=23ms TTL=253

Ping statistics for 10.0.1.21:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
 Minimum = 23ms, Maximum = 28ms, Average = 24ms

C:\Documents and Settings>ping 10.0.1.21 -l 1024

Pinging 10.0.1.21 with 1024 bytes of data:

Reply from 10.0.1.21: bytes=1024 time=30ms TTL=253
Reply from 10.0.1.21: bytes=1024 time=23ms TTL=253
Reply from 10.0.1.21: bytes=1024 time=23ms TTL=253
Reply from 10.0.1.21: bytes=1024 time=23ms TTL=253

Ping statistics for 10.0.1.21:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
 Minimum = 23ms, Maximum = 30ms, Average = 25ms

C:\Documents and Settings>ping 10.0.1.21 -l 2048

Pinging 10.0.1.21 with 2048 bytes of data:

Reply from 10.0.1.21: bytes=2048 time=31ms TTL=253
Reply from 10.0.1.21: bytes=2048 time=24ms TTL=253
Reply from 10.0.1.21: bytes=2048 time=28ms TTL=253
Reply from 10.0.1.21: bytes=2048 time=25ms TTL=253

Ping statistics for 10.0.1.21:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
 Minimum = 23ms, Maximum = 30ms, Average = 27ms

C:\Documents and Settings>ping 10.0.1.21 -l 4096

Pinging 10.0.1.21 with 4096 bytes of data:

Reply from 10.0.1.21: bytes=4096 time=38ms TTL=253
Reply from 10.0.1.21: bytes=4096 time=32ms TTL=253
Reply from 10.0.1.21: bytes=4096 time=32ms TTL=253
Reply from 10.0.1.21: bytes=4096 time=30ms TTL=253

Ping statistics for 10.0.1.21:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
 Minimum = 30ms, Maximum = 38ms, Average = 33ms

Tanggal 6 Mei 2010

Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings>ping 10.0.1.21 -l 32

Pinging 10.0.1.21 with 32 bytes of data:

Reply from 10.0.1.21: bytes=32 time=25ms TTL=253
Reply from 10.0.1.21: bytes=32 time=20ms TTL=253
Reply from 10.0.1.21: bytes=32 time=21ms TTL=253
Reply from 10.0.1.21: bytes=32 time=20ms TTL=253

Ping statistics for 10.0.1.21:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
 Minimum = 20ms, Maximum = 25ms, Average = 21ms

C:\Documents and Settings>ping 10.0.1.21 -l 64
Pinging 10.0.1.21 with 64 bytes of data:
Reply from 10.0.1.21: bytes=64 time=25ms TTL=253
Reply from 10.0.1.21: bytes=64 time=22ms TTL=253
Reply from 10.0.1.21: bytes=64 time=22ms TTL=253
Reply from 10.0.1.21: bytes=64 time=20ms TTL=253
Ping statistics for 10.0.1.21:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
      Minimum = 20ms, Maximum = 25ms, Average = 22ms

C:\Documents and Settings>ping 10.0.1.21 -l 128
Pinging 10.0.1.21 with 128 bytes of data:
Reply from 10.0.1.21: bytes=128 time=25ms TTL=253
Reply from 10.0.1.21: bytes=128 time=22ms TTL=253
Reply from 10.0.1.21: bytes=128 time=22ms TTL=253
Reply from 10.0.1.21: bytes=128 time=23ms TTL=253
Ping statistics for 10.0.1.21:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
      Minimum = 22ms, Maximum = 25ms, Average = 23ms

C:\Documents and Settings>ping 10.0.1.21 -l 256
Pinging 10.0.1.21 with 256 bytes of data:
Reply from 10.0.1.21: bytes=256 time=32ms TTL=253
Reply from 10.0.1.21: bytes=256 time=23ms TTL=253
Reply from 10.0.1.21: bytes=256 time=22ms TTL=253
Reply from 10.0.1.21: bytes=256 time=21ms TTL=253
Ping statistics for 10.0.1.21:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
      Minimum = 21ms, Maximum = 32ms, Average = 24ms

C:\Documents and Settings>ping 10.0.1.21 -l 512
Pinging 10.0.1.21 with 512 bytes of data:
Reply from 10.0.1.21: bytes=512 time=32ms TTL=253
Reply from 10.0.1.21: bytes=512 time=22ms TTL=253
Reply from 10.0.1.21: bytes=512 time=22ms TTL=253
Reply from 10.0.1.21: bytes=512 time=21ms TTL=253
Ping statistics for 10.0.1.21:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
      Minimum = 21ms, Maximum = 32ms, Average = 24ms

C:\Documents and Settings>ping 10.0.1.21 -l 1024
Pinging 10.0.1.21 with 1024 bytes of data:
Reply from 10.0.1.21: bytes=1024 time=30ms TTL=253
Reply from 10.0.1.21: bytes=1024 time=23ms TTL=253
Reply from 10.0.1.21: bytes=1024 time=22ms TTL=253
Reply from 10.0.1.21: bytes=1024 time=24ms TTL=253
Ping statistics for 10.0.1.21:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
      Minimum = 22ms, Maximum = 30ms, Average = 25ms

C:\Documents and Settings>ping 10.0.1.21 -l 2048
Pinging 10.0.1.21 with 2048 bytes of data:
Reply from 10.0.1.21: bytes=2048 time=31ms TTL=253
Reply from 10.0.1.21: bytes=2048 time=24ms TTL=253
Reply from 10.0.1.21: bytes=2048 time=28ms TTL=253
Reply from 10.0.1.21: bytes=2048 time=25ms TTL=253

Ping statistics for 10.0.1.21:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
 Minimum = 24ms, Maximum = 31ms, Average = 27ms

C:\Documents and Settings>ping 10.0.1.21 -l 4096
Pinging 10.0.1.21 with 4096 bytes of data:
Reply from 10.0.1.21: bytes=4096 time=36ms TTL=253
Reply from 10.0.1.21: bytes=4096 time=34ms TTL=253
Reply from 10.0.1.21: bytes=4096 time=30ms TTL=253
Reply from 10.0.1.21: bytes=4096 time=32ms TTL=253
Ping statistics for 10.0.1.21:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
 Minimum = 30ms, Maximum = 36ms, Average = 33ms

Tanggal 7 Mei 2010
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings>ping 10.0.1.21 -l 32
Pinging 10.0.1.21 with 32 bytes of data:
Reply from 10.0.1.21: bytes=32 time=25ms TTL=253
Reply from 10.0.1.21: bytes=32 time=21ms TTL=253
Reply from 10.0.1.21: bytes=32 time=23ms TTL=253
Reply from 10.0.1.21: bytes=32 time=21ms TTL=253
Ping statistics for 10.0.1.21:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
 Minimum = 21ms, Maximum = 25ms, Average = 22ms

C:\Documents and Settings>ping 10.0.1.21 -l 64
Pinging 10.0.1.21 with 64 bytes of data:
Reply from 10.0.1.21: bytes=64 time=25ms TTL=253
Reply from 10.0.1.21: bytes=64 time=21ms TTL=253
Reply from 10.0.1.21: bytes=64 time=23ms TTL=253
Reply from 10.0.1.21: bytes=64 time=20ms TTL=253
Ping statistics for 10.0.1.21:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
 Minimum = 20ms, Maximum = 25ms, Average = 22ms

C:\Documents and Settings>ping 10.0.1.21 -l 128
Pinging 10.0.1.21 with 128 bytes of data:
Reply from 10.0.1.21: bytes=128 time=26ms TTL=253
Reply from 10.0.1.21: bytes=128 time=21ms TTL=253
Reply from 10.0.1.21: bytes=128 time=20ms TTL=253
Reply from 10.0.1.21: bytes=128 time=21ms TTL=253
Ping statistics for 10.0.1.21:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
 Minimum = 20ms, Maximum = 26ms, Average = 22ms

C:\Documents and Settings>ping 10.0.1.21 -l 256
Pinging 10.0.1.21 with 256 bytes of data:
Reply from 10.0.1.21: bytes=256 time=28ms TTL=253
Reply from 10.0.1.21: bytes=256 time=22ms TTL=253
Reply from 10.0.1.21: bytes=256 time=20ms TTL=253
Reply from 10.0.1.21: bytes=256 time=23ms TTL=253
Ping statistics for 10.0.1.21:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 20ms, Maximum = 28ms, Average = 23ms

C:\Documents and Settings>ping 10.0.1.21 -l 512
Pinging 10.0.1.21 with 512 bytes of data:
Reply from 10.0.1.21: bytes=512 time=28ms TTL=253
Reply from 10.0.1.21: bytes=512 time=21ms TTL=253
Reply from 10.0.1.21: bytes=512 time=21ms TTL=253
Reply from 10.0.1.21: bytes=512 time=23ms TTL=253
Ping statistics for 10.0.1.21:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 21ms, Maximum = 28ms, Average = 23ms

C:\Documents and Settings>ping 10.0.1.21 -l 1024
Pinging 10.0.1.21 with 1024 bytes of data:
Reply from 10.0.1.21: bytes=1024 time=28ms TTL=253
Reply from 10.0.1.21: bytes=1024 time=21ms TTL=253
Reply from 10.0.1.21: bytes=1024 time=23ms TTL=253
Reply from 10.0.1.21: bytes=1024 time=23ms TTL=253
Ping statistics for 10.0.1.21:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 23ms, Maximum = 28ms, Average = 24ms

C:\Documents and Settings>ping 10.0.1.21 -l 2048
Pinging 10.0.1.21 with 2048 bytes of data:
Reply from 10.0.1.21: bytes=2048 time=30ms TTL=253
Reply from 10.0.1.21: bytes=2048 time=25ms TTL=253
Reply from 10.0.1.21: bytes=2048 time=24ms TTL=253
Reply from 10.0.1.21: bytes=2048 time=24ms TTL=253
Ping statistics for 10.0.1.21:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 24ms, Maximum = 30ms, Average = 25ms

C:\Documents and Settings>ping 10.0.1.21 -l 4096
Pinging 10.0.1.21 with 4096 bytes of data:
Reply from 10.0.1.21: bytes=4096 time=30ms TTL=253
Reply from 10.0.1.21: bytes=4096 time=28ms TTL=253
Reply from 10.0.1.21: bytes=4096 time=25ms TTL=253
Reply from 10.0.1.21: bytes=4096 time=25ms TTL=253
Ping statistics for 10.0.1.21:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 25ms, Maximum = 30ms, Average = 27ms

Tanggal 10 Mei 2010
Microsoft Windows XP [Version 5.1.2600]
C:\Documents and Settings>ping 10.0.1.21 -l 32

Pinging 10.0.1.21 with 32 bytes of data:

Reply from 10.0.1.21: bytes=32 time=25ms TTL=253
Reply from 10.0.1.21: bytes=32 time=20ms TTL=253
Reply from 10.0.1.21: bytes=32 time=20ms TTL=253
Reply from 10.0.1.21: bytes=32 time=21ms TTL=253

Ping statistics for 10.0.1.21:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 20ms, Maximum = 25ms, Average = 21ms

C:\Documents and Settings>ping 10.0.1.21 -l 64

Pinging 10.0.1.21 with 64 bytes of data:

Reply from 10.0.1.21: bytes=64 time=25ms TTL=253
Reply from 10.0.1.21: bytes=64 time=23ms TTL=253
Reply from 10.0.1.21: bytes=64 time=21ms TTL=253
Reply from 10.0.1.21: bytes=64 time=21ms TTL=253

Ping statistics for 10.0.1.21:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 21ms, Maximum = 25ms, Average = 22ms

C:\Documents and Settings>ping 10.0.1.21 -l 128

Pinging 10.0.1.21 with 128 bytes of data:

Reply from 10.0.1.21: bytes=128 time=26ms TTL=253
Reply from 10.0.1.21: bytes=128 time=21ms TTL=253
Reply from 10.0.1.21: bytes=128 time=22ms TTL=253
Reply from 10.0.1.21: bytes=128 time=23ms TTL=253

Ping statistics for 10.0.1.21:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 21ms, Maximum = 26ms, Average = 22ms

C:\Documents and Settings>ping 10.0.1.21 -l 256

Pinging 10.0.1.21 with 256 bytes of data:

Reply from 10.0.1.21: bytes=256 time=26ms TTL=253
Reply from 10.0.1.21: bytes=256 time=23ms TTL=253
Reply from 10.0.1.21: bytes=256 time=23ms TTL=253
Reply from 10.0.1.21: bytes=256 time=23ms TTL=253

Ping statistics for 10.0.1.21:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 21ms, Maximum = 26ms, Average = 23ms

C:\Documents and Settings>ping 10.0.1.21 -l 512

Pinging 10.0.1.21 with 512 bytes of data:

Reply from 10.0.1.21: bytes=512 time=35ms TTL=253
Reply from 10.0.1.21: bytes=512 time=22ms TTL=253
Reply from 10.0.1.21: bytes=512 time=23ms TTL=253
Reply from 10.0.1.21: bytes=512 time=23ms TTL=253

Ping statistics for 10.0.1.21:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 35ms, Maximum = 22ms, Average = 25ms

C:\Documents and Settings>ping 10.0.1.21 -l 1024

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Pinging 10.0.1.21 with 1024 bytes of data:

Reply from 10.0.1.21: bytes=1024 time=31ms TTL=253
Reply from 10.0.1.21: bytes=1024 time=25ms TTL=253
Reply from 10.0.1.21: bytes=1024 time=26ms TTL=253
Reply from 10.0.1.21: bytes=1024 time=24ms TTL=253

Ping statistics for 10.0.1.21:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
       Minimum = 24ms, Maximum = 31ms, Average = 26ms

C:\Documents and Settings>ping 10.0.1.21 -l 2048

Pinging 10.0.1.21 with 2048 bytes of data:

Reply from 10.0.1.21: bytes=2048 time=31ms TTL=253
Reply from 10.0.1.21: bytes=2048 time=25ms TTL=253
Reply from 10.0.1.21: bytes=2048 time=27ms TTL=253
Reply from 10.0.1.21: bytes=2048 time=23ms TTL=253

Ping statistics for 10.0.1.21:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
       Minimum = 23ms, Maximum = 31ms, Average = 26ms

C:\Documents and Settings>ping 10.0.1.21 -l 4096

Pinging 10.0.1.21 with 4096 bytes of data:

Reply from 10.0.1.21: bytes=4096 time=31ms TTL=253
Reply from 10.0.1.21: bytes=4096 time=25ms TTL=253
Reply from 10.0.1.21: bytes=4096 time=27ms TTL=253
Reply from 10.0.1.21: bytes=4096 time=25ms TTL=253

Ping statistics for 10.0.1.21:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
       Minimum = 25ms, Maximum = 31ms, Average = 27ms

Tanggal 11 Mei 2010
Microsoft Windows XP [Version 5.1.2600]
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C:\>ping 10.0.1.21 -l 32

Pinging 10.0.1.21 with 32 bytes of data:

Reply from 10.0.1.21: bytes=32 time=27ms TTL=253
Reply from 10.0.1.21: bytes=32 time=21ms TTL=253
Reply from 10.0.1.21: bytes=32 time=20ms TTL=253
Reply from 10.0.1.21: bytes=32 time=20ms TTL=253

Ping statistics for 10.0.1.21:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
       Minimum = 20ms, Maximum = 27ms, Average = 22ms

C:\>ping 10.0.1.21 -l 64

Pinging 10.0.1.21 with 64 bytes of data:

Reply from 10.0.1.21: bytes=64 time=27ms TTL=253
Reply from 10.0.1.21: bytes=64 time=20ms TTL=253
Reply from 10.0.1.21: bytes=64 time=20ms TTL=253
Reply from 10.0.1.21: bytes=64 time=21ms TTL=253

Ping statistics for 10.0.1.21:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
Minimum = 20ms, Maximum = 27ms, Average = 22ms

C:\>ping 10.0.1.21 -l 128
Pinging 10.0.1.21 with 128 bytes of data:
Reply from 10.0.1.21: bytes=128 time=27ms TTL=253
Reply from 10.0.1.21: bytes=128 time=21ms TTL=253
Reply from 10.0.1.21: bytes=128 time=20ms TTL=253
Reply from 10.0.1.21: bytes=128 time=22ms TTL=253
Ping statistics for 10.0.1.21:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 20ms, Maximum = 27ms, Average = 22ms

C:\>ping 10.0.1.21 -l 256
Pinging 10.0.1.21 with 256 bytes of data:
Reply from 10.0.1.21: bytes=256 time=29ms TTL=253
Reply from 10.0.1.21: bytes=256 time=22ms TTL=253
Reply from 10.0.1.21: bytes=256 time=22ms TTL=253
Reply from 10.0.1.21: bytes=256 time=22ms TTL=253
Ping statistics for 10.0.1.21:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 22ms, Maximum = 29ms, Average = 23ms

C:\>ping 10.0.1.21 -l 512
Pinging 10.0.1.21 with 512 bytes of data:
Reply from 10.0.1.21: bytes=512 time=30ms TTL=253
Reply from 10.0.1.21: bytes=512 time=21ms TTL=253
Reply from 10.0.1.21: bytes=512 time=22ms TTL=253
Reply from 10.0.1.21: bytes=512 time=23ms TTL=253
Ping statistics for 10.0.1.21:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 21ms, Maximum = 30ms, Average = 24ms

C:\>ping 10.0.1.21 -l 1024
Pinging 10.0.1.21 with 1024 bytes of data:
Reply from 10.0.1.21: bytes=1024 time=30ms TTL=253
Reply from 10.0.1.21: bytes=1024 time=23ms TTL=253
Reply from 10.0.1.21: bytes=1024 time=25ms TTL=253
Reply from 10.0.1.21: bytes=1024 time=23ms TTL=253
Ping statistics for 10.0.1.21:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 23ms, Maximum = 30ms, Average = 25ms

C:\>ping 10.0.1.21 -l 2048
Pinging 10.0.1.21 with 2048 bytes of data:
Reply from 10.0.1.21: bytes=2048 time=33ms TTL=253
Reply from 10.0.1.21: bytes=2048 time=24ms TTL=253
Reply from 10.0.1.21: bytes=2048 time=24ms TTL=253
Reply from 10.0.1.21: bytes=2048 time=24ms TTL=253
Ping statistics for 10.0.1.21:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 24ms, Maximum = 33ms, Average = 26ms

C:\>ping 10.0.1.21 -l 4096
Pinging 10.0.1.21 with 4096 bytes of data:

Reply from 10.0.1.21: bytes=4096 time=36ms TTL=253
Reply from 10.0.1.21: bytes=4096 time=26ms TTL=253
Reply from 10.0.1.21: bytes=4096 time=27ms TTL=253
Reply from 10.0.1.21: bytes=4096 time=27ms TTL=253

Ping statistics for 10.0.1.21:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 26ms, Maximum = 36ms, Average = 29ms
LAMPIRAN D
Data Hasil Ping Router Medan

Tanggal 5 Mei 2010

Microsoft Windows XP [Version 5.1.2600]
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C:\Documents and Settings>ping 10.8.8.105 -l 32

Pinging 10.8.8.105 with 32 bytes of data:

    Reply from 10.8.8.105: bytes=32 time=6ms TTL=254
    Reply from 10.8.8.105: bytes=32 time<1ms TTL=254
    Reply from 10.8.8.105: bytes=32 time<1ms TTL=254
    Reply from 10.8.8.105: bytes=32 time<1ms TTL=254

Ping statistics for 10.8.8.105:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 6ms, Average = 1ms

C:\Documents and Settings>ping 10.8.8.105 -l 64

Pinging 10.8.8.105 with 64 bytes of data:

    Reply from 10.8.8.105: bytes=64 time=5ms TTL=254
    Reply from 10.8.8.105: bytes=64 time<1ms TTL=254
    Reply from 10.8.8.105: bytes=64 time<1ms TTL=254
    Reply from 10.8.8.105: bytes=64 time<1ms TTL=254

Ping statistics for 10.8.8.105:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 5ms, Average = 1ms

C:\Documents and Settings>ping 10.8.8.105 -l 128

Pinging 10.8.8.105 with 128 bytes of data:

    Reply from 10.8.8.105: bytes=128 time=5ms TTL=254
    Reply from 10.8.8.105: bytes=128 time<1ms TTL=254
    Reply from 10.8.8.105: bytes=128 time<1ms TTL=254
    Reply from 10.8.8.105: bytes=128 time<1ms TTL=254

Ping statistics for 10.8.8.105:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 5ms, Average = 1ms

C:\Documents and Settings>ping 10.8.8.105 -l 256

Pinging 10.8.8.105 with 256 bytes of data:

    Reply from 10.8.8.105: bytes=256 time=7ms TTL=254
    Reply from 10.8.8.105: bytes=256 time<1ms TTL=254
    Reply from 10.8.8.105: bytes=256 time<1ms TTL=254
    Reply from 10.8.8.105: bytes=256 time<1ms TTL=254

Ping statistics for 10.8.8.105:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 7ms, Average = 2ms
C:\Documents and Settings>ping 10.8.8.105 -l 512

Pinging 10.8.8.105 with 512 bytes of data:

Reply from 10.8.8.105: bytes=512 time=7ms TTL=254
Reply from 10.8.8.105: bytes=512 time=1ms TTL=254
Reply from 10.8.8.105: bytes=512 time=1ms TTL=254
Reply from 10.8.8.105: bytes=512 time=1ms TTL=254

Ping statistics for 10.8.8.105:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
       Minimum = 1ms, Maximum = 7ms, Average = 2ms

C:\Documents and Settings>ping 10.8.8.105 -l 1024

Pinging 10.8.8.105 with 1024 bytes of data:

Reply from 10.8.8.105: bytes=1024 time=9ms TTL=254
Reply from 10.8.8.105: bytes=1024 time=1ms TTL=254
Reply from 10.8.8.105: bytes=1024 time=1ms TTL=254
Reply from 10.8.8.105: bytes=1024 time=1ms TTL=254

Ping statistics for 10.8.8.105:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
       Minimum = 1ms, Maximum = 9ms, Average = 3ms

C:\Documents and Settings>ping 10.8.8.105 -l 2048

Pinging 10.8.8.105 with 2048 bytes of data:

Reply from 10.8.8.105: bytes=2048 time=11ms TTL=254
Reply from 10.8.8.105: bytes=2048 time=2ms TTL=254
Reply from 10.8.8.105: bytes=2048 time=2ms TTL=254
Reply from 10.8.8.105: bytes=2048 time=2ms TTL=254

Ping statistics for 10.8.8.105:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
       Minimum = 2ms, Maximum = 11ms, Average = 4ms

C:\Documents and Settings>ping 10.8.8.105 -l 4096

Pinging 10.8.8.105 with 4096 bytes of data:

Reply from 10.8.8.105: bytes=4096 time=13ms TTL=254
Reply from 10.8.8.105: bytes=4096 time=2ms TTL=254
Reply from 10.8.8.105: bytes=4096 time=2ms TTL=254
Reply from 10.8.8.105: bytes=4096 time=2ms TTL=254

Ping statistics for 10.8.8.105:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
       Minimum = 2ms, Maximum = 13ms, Average = 5ms

Tanggal 6 Mei 2010

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C:\Documents and Settings>ping 10.8.8.105 -l 32

Pinging 10.8.8.105 with 32 bytes of data:

Reply from 10.8.8.105: bytes=32 time=5ms TTL=254
Reply from 10.8.8.105: bytes=32 time<1ms TTL=254
Reply from 10.8.8.105: bytes=32 time<1ms TTL=254
Reply from 10.8.8.105: bytes=32 time<1ms TTL=254
Ping statistics for 10.8.8.105:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 0ms, Maximum = 5ms, Average = 1ms

C:\Documents and Settings>ping 10.8.8.105 -l 64
Pinging 10.8.8.105 with 64 bytes of data:
Reply from 10.8.8.105: bytes=64 time=5ms TTL=254
Reply from 10.8.8.105: bytes=64 time<1ms TTL=254
Reply from 10.8.8.105: bytes=64 time=1ms TTL=254
Reply from 10.8.8.105: bytes=64 time<1ms TTL=254

Ping statistics for 10.8.8.105:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 0ms, Maximum = 5ms, Average = 1ms

C:\Documents and Settings>ping 10.8.8.105 -l 128
Pinging 10.8.8.105 with 128 bytes of data:
Reply from 10.8.8.105: bytes=128 time=5ms TTL=254
Reply from 10.8.8.105: bytes=128 time<1ms TTL=254
Reply from 10.8.8.105: bytes=128 time<1ms TTL=254
Reply from 10.8.8.105: bytes=128 time<1ms TTL=254

Ping statistics for 10.8.8.105:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 0ms, Maximum = 5ms, Average = 1ms

C:\Documents and Settings>ping 10.8.8.105 -l 256
Pinging 10.8.8.105 with 256 bytes of data:
Reply from 10.8.8.105: bytes=256 time=5ms TTL=254
Reply from 10.8.8.105: bytes=256 time<1ms TTL=254
Reply from 10.8.8.105: bytes=256 time<1ms TTL=254
Reply from 10.8.8.105: bytes=256 time<1ms TTL=254

Ping statistics for 10.8.8.105:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 0ms, Maximum = 5ms, Average = 1ms

C:\Documents and Settings>ping 10.8.8.105 -l 512
Pinging 10.8.8.105 with 512 bytes of data:
Reply from 10.8.8.105: bytes=512 time=6ms TTL=254
Reply from 10.8.8.105: bytes=512 time=1ms TTL=254
Reply from 10.8.8.105: bytes=512 time=1ms TTL=254
Reply from 10.8.8.105: bytes=512 time=1ms TTL=254

Ping statistics for 10.8.8.105:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 1ms, Maximum = 6ms, Average = 2ms

C:\Documents and Settings>ping 10.8.8.105 -l 1024
Pinging 10.8.8.105 with 1024 bytes of data:
Reply from 10.8.8.105: bytes=1024 time=6ms TTL=254
Reply from 10.8.8.105: bytes=1024 time=1ms TTL=254
Reply from 10.8.8.105: bytes=1024 time=1ms TTL=254
Reply from 10.8.8.105: bytes=1024 time=2ms TTL=254

Ping statistics for 10.8.8.105:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 1ms, Maximum = 6ms, Average = 2ms
C:\Documents and Settings>ping 10.8.8.105 -l 2048

Pinging 10.8.8.105 with 2048 bytes of data:

Reply from 10.8.8.105: bytes=2048 time=7ms TTL=254
Reply from 10.8.8.105: bytes=2048 time=2ms TTL=254
Reply from 10.8.8.105: bytes=2048 time=2ms TTL=254
Reply from 10.8.8.105: bytes=2048 time=2ms TTL=254

Ping statistics for 10.8.8.105:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 2ms, Maximum = 7ms, Average = 3ms

C:\Documents and Settings>ping 10.8.8.105 -l 4096

Pinging 10.8.8.105 with 4096 bytes of data:

Reply from 10.8.8.105: bytes=4096 time=7ms TTL=254
Reply from 10.8.8.105: bytes=4096 time=2ms TTL=254
Reply from 10.8.8.105: bytes=4096 time=2ms TTL=254
Reply from 10.8.8.105: bytes=4096 time=2ms TTL=254

Ping statistics for 10.8.8.105:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 2ms, Maximum = 7ms, Average = 3ms

Tanggal 7 Mei 2010

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C:\Documents and Settings\Administrator>ping 10.8.8.105 -l 32

Pinging 10.8.8.105 with 32 bytes of data:

Reply from 10.8.8.105: bytes=32 time=6ms TTL=254
Reply from 10.8.8.105: bytes=32 time<1ms TTL=254
Reply from 10.8.8.105: bytes=32 time<1ms TTL=254
Reply from 10.8.8.105: bytes=32 time<1ms TTL=254

Ping statistics for 10.8.8.105:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 6ms, Average = 1ms

C:\Documents and Settings\Administrator>ping 10.8.8.105 -l 64

Pinging 10.8.8.105 with 64 bytes of data:

Reply from 10.8.8.105: bytes=64 time=5ms TTL=254
Reply from 10.8.8.105: bytes=64 time<1ms TTL=254
Reply from 10.8.8.105: bytes=64 time<1ms TTL=254
Reply from 10.8.8.105: bytes=64 time<1ms TTL=254

Ping statistics for 10.8.8.105:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 5ms, Average = 1ms

C:\Documents and Settings\Administrator>ping 10.8.8.105 -l 128

Pinging 10.8.8.105 with 128 bytes of data:

Reply from 10.8.8.105: bytes=128 time=5ms TTL=254
Reply from 10.8.8.105: bytes=128 time<1ms TTL=254
Reply from 10.8.8.105: bytes=128 time<1ms TTL=254
Reply from 10.8.8.105: bytes=128 time<1ms TTL=254

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Ping statistics for 10.8.8.105:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 0ms, Maximum = 5ms, Average = 1ms

C:\Documents and Settings\Administrator>ping 10.8.8.105 -l 256
Pinging 10.8.8.105 with 256 bytes of data:
Reply from 10.8.8.105: bytes=256 time=6ms TTL=254
Reply from 10.8.8.105: bytes=256 time<1ms TTL=254
Reply from 10.8.8.105: bytes=256 time<1ms TTL=254
Reply from 10.8.8.105: bytes=256 time<1ms TTL=254
Ping statistics for 10.8.8.105:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 0ms, Maximum = 6ms, Average = 1ms

C:\Documents and Settings\Administrator>ping 10.8.8.105 -l 512
Pinging 10.8.8.105 with 512 bytes of data:
Reply from 10.8.8.105: bytes=512 time=6ms TTL=254
Reply from 10.8.8.105: bytes=512 time=1ms TTL=254
Reply from 10.8.8.105: bytes=512 time=1ms TTL=254
Reply from 10.8.8.105: bytes=512 time=1ms TTL=254
Ping statistics for 10.8.8.105:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 1ms, Maximum = 6ms, Average = 2ms

C:\Documents and Settings\Administrator>ping 10.8.8.105 -l 1024
Pinging 10.8.8.105 with 1024 bytes of data:
Reply from 10.8.8.105: bytes=1024 time=7ms TTL=254
Reply from 10.8.8.105: bytes=1024 time=1ms TTL=254
Reply from 10.8.8.105: bytes=1024 time=1ms TTL=254
Reply from 10.8.8.105: bytes=1024 time=1ms TTL=254
Ping statistics for 10.8.8.105:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 1ms, Maximum = 7ms, Average = 2ms

C:\Documents and Settings\Administrator>ping 10.8.8.105 -l 2048
Pinging 10.8.8.105 with 2048 bytes of data:
Reply from 10.8.8.105: bytes=2048 time=7ms TTL=254
Reply from 10.8.8.105: bytes=2048 time=2ms TTL=254
Reply from 10.8.8.105: bytes=2048 time=2ms TTL=254
Reply from 10.8.8.105: bytes=2048 time=2ms TTL=254
Ping statistics for 10.8.8.105:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 2ms, Maximum = 7ms, Average = 3ms

C:\Documents and Settings\Administrator>ping 10.8.8.105 -l 4096
Pinging 10.8.8.105 with 4096 bytes of data:
Reply from 10.8.8.105: bytes=4096 time=10ms TTL=254
Reply from 10.8.8.105: bytes=4096 time=2ms TTL=254
Reply from 10.8.8.105: bytes=4096 time=2ms TTL=254
Reply from 10.8.8.105: bytes=4096 time=2ms TTL=254
Ping statistics for 10.8.8.105:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 2ms, Maximum = 10ms, Average = 4ms
Tanggal 10 Mei 2010

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C:\Documents and Settings\Administrator>cd..

C:\Documents and Settings>ping 10.8.8.105 -l 32
Pinging 10.8.8.105 with 32 bytes of data:
Reply from 10.8.8.105: bytes=32 time=5ms TTL=254
Reply from 10.8.8.105: bytes=32 time<1ms TTL=254
Reply from 10.8.8.105: bytes=32 time=1ms TTL=254
Reply from 10.8.8.105: bytes=32 time=1ms TTL=254

Ping statistics for 10.8.8.105:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 0ms, Maximum = 5ms, Average = 1ms

C:\Documents and Settings>ping 10.8.8.105 -l 64
Pinging 10.8.8.105 with 64 bytes of data:
Reply from 10.8.8.105: bytes=64 time=5ms TTL=254
Reply from 10.8.8.105: bytes=64 time<1ms TTL=254
Reply from 10.8.8.105: bytes=64 time=1ms TTL=254
Reply from 10.8.8.105: bytes=64 time<1ms TTL=254

Ping statistics for 10.8.8.105:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 0ms, Maximum = 5ms, Average = 1ms

C:\Documents and Settings>ping 10.8.8.105 -l 128
Pinging 10.8.8.105 with 128 bytes of data:
Reply from 10.8.8.105: bytes=128 time=5ms TTL=254
Reply from 10.8.8.105: bytes=128 time<1ms TTL=254
Reply from 10.8.8.105: bytes=128 time=1ms TTL=254
Reply from 10.8.8.105: bytes=128 time<1ms TTL=254

Ping statistics for 10.8.8.105:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 0ms, Maximum = 5ms, Average = 1ms

C:\Documents and Settings>ping 10.8.8.105 -l 256
Pinging 10.8.8.105 with 256 bytes of data:
Reply from 10.8.8.105: bytes=256 time=6ms TTL=254
Reply from 10.8.8.105: bytes=256 time<1ms TTL=254
Reply from 10.8.8.105: bytes=256 time=1ms TTL=254
Reply from 10.8.8.105: bytes=256 time=1ms TTL=254

Ping statistics for 10.8.8.105:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 0ms, Maximum = 6ms, Average = 1ms

C:\Documents and Settings>ping 10.8.8.105 -l 512
Pinging 10.8.8.105 with 512 bytes of data:
Reply from 10.8.8.105: bytes=512 time=6ms TTL=254
Reply from 10.8.8.105: bytes=512 time<1ms TTL=254
Reply from 10.8.8.105: bytes=512 time=1ms TTL=254
Reply from 10.8.8.105: bytes=512 time=1ms TTL=254
Ping statistics for 10.8.8.105:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 1ms, Maximum = 6ms, Average = 2ms

C:\Documents and Settings>ping 10.8.8.105 -l 1024
Pinging 10.8.8.105 with 1024 bytes of data:
Reply from 10.8.8.105: bytes=1024 time=5ms TTL=254
Reply from 10.8.8.105: bytes=1024 time=2ms TTL=254
Reply from 10.8.8.105: bytes=1024 time=1ms TTL=254
Pinging 10.8.8.105 with 4096 bytes of data:
Reply from 10.8.8.105: bytes=4096 time=7ms TTL=254
Reply from 10.8.8.105: bytes=4096 time=2ms TTL=254
Reply from 10.8.8.105: bytes=4096 time=1ms TTL=254
Pinging 10.8.8.105 with 64 bytes of data:
Reply from 10.8.8.105: bytes=64 time=7ms TTL=254
Reply from 10.8.8.105: bytes=64 time=1ms TTL=254
Pinging 10.8.8.105 with 32 bytes of data:
Reply from 10.8.8.105: bytes=32 time=6ms TTL=254
Reply from 10.8.8.105: bytes=32 time=1ms TTL=254
Pinging 10.8.8.105 with 128 bytes of data:
Reply from 10.8.8.105: bytes=128 time=6ms TTL=254
Reply from 10.8.8.105: bytes=128 time=1ms TTL=254
Pinging 10.8.8.105 with 256 bytes of data:
Reply from 10.8.8.105: bytes=256 time=6ms TTL=254
Reply from 10.8.8.105: bytes=256 time=1ms TTL=254
Pinging 10.8.8.105 with 512 bytes of data:
Reply from 10.8.8.105: bytes=512 time=6ms TTL=254
Reply from 10.8.8.105: bytes=512 time=1ms TTL=254

Tanggal 11 Mei 2010
C:\>ping 10.8.8.105 -l 32
Pinging 10.8.8.105 with 32 bytes of data:
Reply from 10.8.8.105: bytes=32 time=6ms TTL=254
Reply from 10.8.8.105: bytes=32 time<1ms TTL=254
Reply from 10.8.8.105: bytes=32 time<1ms TTL=254
Pinging 10.8.8.105 with 64 bytes of data:
Reply from 10.8.8.105: bytes=64 time=7ms TTL=254
Reply from 10.8.8.105: bytes=64 time<1ms TTL=254
Reply from 10.8.8.105: bytes=64 time<1ms TTL=254

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Reply from 10.8.8.105: bytes=64 time<1ms TTL=254
Ping statistics for 10.8.8.105:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 0ms, Maximum = 7ms, Average = 1ms

C:\> ping 10.8.8.105 -l 128
Pinging 10.8.8.105 with 128 bytes of data:
Reply from 10.8.8.105: bytes=128 time=7ms TTL=254
Reply from 10.8.8.105: bytes=128 time=1ms TTL=254
Reply from 10.8.8.105: bytes=128 time=1ms TTL=254
Reply from 10.8.8.105: bytes=128 time<1ms TTL=254
Ping statistics for 10.8.8.105:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 0ms, Maximum = 7ms, Average = 2ms

C:\> ping 10.8.8.105 -l 256
Pinging 10.8.8.105 with 256 bytes of data:
Reply from 10.8.8.105: bytes=256 time=7ms TTL=254
Reply from 10.8.8.105: bytes=256 time=1ms TTL=254
Reply from 10.8.8.105: bytes=256 time<1ms TTL=254
Reply from 10.8.8.105: bytes=256 time<1ms TTL=254
Ping statistics for 10.8.8.105:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 0ms, Maximum = 7ms, Average = 2ms

C:\> ping 10.8.8.105 -l 512
Pinging 10.8.8.105 with 512 bytes of data:
Reply from 10.8.8.105: bytes=512 time=7ms TTL=254
Reply from 10.8.8.105: bytes=512 time=1ms TTL=254
Reply from 10.8.8.105: bytes=512 time=1ms TTL=254
Reply from 10.8.8.105: bytes=512 time=4ms TTL=254
Ping statistics for 10.8.8.105:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 1ms, Maximum = 7ms, Average = 3ms

C:\> ping 10.8.8.105 -l 1024
Pinging 10.8.8.105 with 1024 bytes of data:
Reply from 10.8.8.105: bytes=1024 time=8ms TTL=254
Reply from 10.8.8.105: bytes=1024 time=1ms TTL=254
Reply from 10.8.8.105: bytes=1024 time=1ms TTL=254
Reply from 10.8.8.105: bytes=1024 time=2ms TTL=254
Ping statistics for 10.8.8.105:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 1ms, Maximum = 8ms, Average = 3ms

C:\> ping 10.8.8.105 -l 2048
Pinging 10.8.8.105 with 2048 bytes of data:
Reply from 10.8.8.105: bytes=2048 time=8ms TTL=254
Reply from 10.8.8.105: bytes=2048 time=2ms TTL=254
Reply from 10.8.8.105: bytes=2048 time=1ms TTL=254
Reply from 10.8.8.105: bytes=2048 time<1ms TTL=254
Reply from 10.8.8.105: bytes=2048 time<1ms TTL=254
Reply from 10.8.8.105: bytes=2048 time<1ms TTL=254
Ping statistics for 10.8.8.105:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 1ms, Maximum = 8ms, Average = 3ms

C:\>ping 10.8.8.105 -l 4096

Pinging 10.8.8.105 with 4096 bytes of data:

Reply from 10.8.8.105: bytes=4096 time=10ms TTL=254
Reply from 10.8.8.105: bytes=4096 time=2ms TTL=254
Reply from 10.8.8.105: bytes=4096 time=2ms TTL=254
Reply from 10.8.8.105: bytes=4096 time=2ms TTL=254

Ping statistics for 10.8.8.105:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 2ms, Maximum = 10ms, Average = 4ms
LAMPIRAN E

Data Hasil Ping Router Lantai 5
(tempat dilakukan pengamatan)

Tanggal 5 Mei 2010

C:\Documents and Settings>ping 10.8.10.1 -l 32

Pinging 10.8.10.1 with 32 bytes of data:

Reply from 10.8.10.1: bytes=32 time=9ms TTL=30
Reply from 10.8.10.1: bytes=32 time=2ms TTL=30
Reply from 10.8.10.1: bytes=32 time=2ms TTL=30
Reply from 10.8.10.1: bytes=32 time=2ms TTL=30

Ping statistics for 10.8.10.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 2ms, Maximum = 9ms, Average = 3ms

C:\Documents and Settings>ping 10.8.10.1 -l 64

Pinging 10.8.10.1 with 64 bytes of data:

Reply from 10.8.10.1: bytes=64 time=10ms TTL=30
Reply from 10.8.10.1: bytes=64 time=1ms TTL=30
Reply from 10.8.10.1: bytes=64 time=2ms TTL=30
Reply from 10.8.10.1: bytes=64 time=2ms TTL=30

Ping statistics for 10.8.10.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 1ms, Maximum = 10ms, Average = 3ms

C:\Documents and Settings>ping 10.8.10.1 -l 128

Pinging 10.8.10.1 with 128 bytes of data:

Reply from 10.8.10.1: bytes=128 time=9ms TTL=30
Reply from 10.8.10.1: bytes=128 time=1ms TTL=30
Reply from 10.8.10.1: bytes=128 time=2ms TTL=30
Reply from 10.8.10.1: bytes=128 time=1ms TTL=30

Ping statistics for 10.8.10.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 1ms, Maximum = 9ms, Average = 3ms

C:\Documents and Settings>ping 10.8.10.1 -l 256

Pinging 10.8.10.1 with 256 bytes of data:

Reply from 10.8.10.1: bytes=256 time=10ms TTL=30
Reply from 10.8.10.1: bytes=256 time=2ms TTL=30
Reply from 10.8.10.1: bytes=256 time=2ms TTL=30
Reply from 10.8.10.1: bytes=256 time=2ms TTL=30

Ping statistics for 10.8.10.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 2ms, Maximum = 10ms, Average = 4ms

C:\Documents and Settings>ping 10.8.10.1 -l 512

Pinging 10.8.10.1 with 512 bytes of data:

Reply from 10.8.10.1: bytes=512 time=10ms TTL=30
Reply from 10.8.10.1: bytes=512 time=3ms TTL=30
Reply from 10.8.10.1: bytes=512 time=3ms TTL=30
Reply from 10.8.10.1: bytes=512 time=3ms TTL=30

Ping statistics for 10.8.10.1:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
  Approximate round trip times in milli-seconds:
    Minimum = 3ms, Maximum = 10ms, Average = 4ms

C:\Documents and Settings>ping 10.8.10.1 -l 1024

Pinging 10.8.10.1 with 1024 bytes of data:

Reply from 10.8.10.1: bytes=1024 time=12ms TTL=30
Reply from 10.8.10.1: bytes=1024 time=3ms TTL=30
Reply from 10.8.10.1: bytes=1024 time=3ms TTL=30
Reply from 10.8.10.1: bytes=1024 time=2ms TTL=30

Ping statistics for 10.8.10.1:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
  Approximate round trip times in milli-seconds:
    Minimum = 3ms, Maximum = 12ms, Average = 5ms

C:\Documents and Settings>ping 10.8.10.1 -l 2048

Pinging 10.8.10.1 with 2048 bytes of data:

Reply from 10.8.10.1: bytes=2048 time=12ms TTL=30
Reply from 10.8.10.1: bytes=2048 time=4ms TTL=30
Reply from 10.8.10.1: bytes=2048 time=4ms TTL=30
Reply from 10.8.10.1: bytes=2048 time=4ms TTL=30

Ping statistics for 10.8.10.1:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
  Approximate round trip times in milli-seconds:
    Minimum = 4ms, Maximum = 12ms, Average = 6ms

C:\Documents and Settings>ping 10.8.10.1 -l 4096

Pinging 10.8.10.1 with 4096 bytes of data:

Reply from 10.8.10.1: bytes=4096 time=16ms TTL=30
Reply from 10.8.10.1: bytes=4096 time=4ms TTL=30
Reply from 10.8.10.1: bytes=4096 time=4ms TTL=30
Reply from 10.8.10.1: bytes=4096 time=4ms TTL=30

Ping statistics for 10.8.10.1:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
  Approximate round trip times in milli-seconds:
    Minimum = 4ms, Maximum = 16ms, Average = 7ms

Tanggal 6 Mei 2010

C:\Documents and Settings>ping 10.8.10.1 -l 32

Pinging 10.8.10.1 with 32 bytes of data:

Reply from 10.8.10.1: bytes=32 time=17ms TTL=30
Reply from 10.8.10.1: bytes=32 time=2ms TTL=30
Reply from 10.8.10.1: bytes=32 time=2ms TTL=30
Reply from 10.8.10.1: bytes=32 time=2ms TTL=30

Ping statistics for 10.8.10.1:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
  Approximate round trip times in milli-seconds:
    Minimum = 2ms, Maximum = 17ms, Average = 5ms

C:\Documents and Settings>ping 10.8.10.1 -l 64

Pinging 10.8.10.1 with 64 bytes of data:

Reply from 10.8.10.1: bytes=64 time=10ms TTL=30
Reply from 10.8.10.1: bytes=64 time=2ms TTL=30
Reply from 10.8.10.1: bytes=64 time=2ms TTL=30
Reply from 10.8.10.1: bytes=64 time=2ms TTL=30

Ping statistics for 10.8.10.1:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 2ms, Maximum = 10ms, Average = 4ms

C:\Documents and Settings>ping 10.8.10.1 -l 128

Pinging 10.8.10.1 with 128 bytes of data:

Reply from 10.8.10.1: bytes=128 time=10ms TTL=30
Reply from 10.8.10.1: bytes=128 time=2ms TTL=30
Reply from 10.8.10.1: bytes=128 time=2ms TTL=30
Reply from 10.8.10.1: bytes=128 time=2ms TTL=30

Ping statistics for 10.8.10.1:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 2ms, Maximum = 10ms, Average = 4ms

C:\Documents and Settings>ping 10.8.10.1 -l 256

Pinging 10.8.10.1 with 256 bytes of data:

Reply from 10.8.10.1: bytes=256 time=10ms TTL=30
Reply from 10.8.10.1: bytes=256 time=2ms TTL=30
Reply from 10.8.10.1: bytes=256 time=2ms TTL=30
Reply from 10.8.10.1: bytes=256 time=2ms TTL=30

Ping statistics for 10.8.10.1:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 2ms, Maximum = 10ms, Average = 4ms

C:\Documents and Settings>ping 10.8.10.1 -l 512

Pinging 10.8.10.1 with 512 bytes of data:

Reply from 10.8.10.1: bytes=512 time=10ms TTL=30
Reply from 10.8.10.1: bytes=512 time=3ms TTL=30
Reply from 10.8.10.1: bytes=512 time=4ms TTL=30
Reply from 10.8.10.1: bytes=512 time=3ms TTL=30

Ping statistics for 10.8.10.1:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 3ms, Maximum = 10ms, Average = 5ms

C:\Documents and Settings>ping 10.8.10.1 -l 1024

Pinging 10.8.10.1 with 1024 bytes of data:

Reply from 10.8.10.1: bytes=1024 time=12ms TTL=30
Reply from 10.8.10.1: bytes=1024 time=2ms TTL=30
Reply from 10.8.10.1: bytes=1024 time=3ms TTL=30
Reply from 10.8.10.1: bytes=1024 time=3ms TTL=30

Ping statistics for 10.8.10.1:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 2ms, Maximum = 12ms, Average = 5ms

C:\Documents and Settings>ping 10.8.10.1 -l 2048

Pinging 10.8.10.1 with 2048 bytes of data:

Reply from 10.8.10.1: bytes=2048 time=12ms TTL=30
Reply from 10.8.10.1: bytes=2048 time=4ms TTL=30
Reply from 10.8.10.1: bytes=2048 time=5ms TTL=30
Reply from 10.8.10.1: bytes=2048 time=4ms TTL=30
Ping statistics for 10.8.10.1:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 4ms, Maximum = 12ms, Average = 6ms

C:\Documents and Settings>ping 10.8.10.1 -l 4096

Reply from 10.8.10.1: bytes=4096 time=13ms TTL=30
Reply from 10.8.10.1: bytes=4096 time=5ms TTL=30
Reply from 10.8.10.1: bytes=4096 time=6ms TTL=30

Ping statistics for 10.8.10.1:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 4ms, Maximum = 13ms, Average = 7ms

Tanggal 7 Mei 2010

C:\Documents and Settings>ping 10.8.10.1 -l 32

Reply from 10.8.10.1: bytes=32 time=10ms TTL=30
Reply from 10.8.10.1: bytes=32 time=1ms TTL=30
Reply from 10.8.10.1: bytes=32 time=1ms TTL=30
Reply from 10.8.10.1: bytes=32 time=1ms TTL=30

Ping statistics for 10.8.10.1:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 1ms, Maximum = 10ms, Average = 3ms

C:\Documents and Settings>ping 10.8.10.1 -l 64

Reply from 10.8.10.1: bytes=64 time=9ms TTL=30
Reply from 10.8.10.1: bytes=64 time=2ms TTL=30
Reply from 10.8.10.1: bytes=64 time=2ms TTL=30
Reply from 10.8.10.1: bytes=64 time=2ms TTL=30

Ping statistics for 10.8.10.1:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 2ms, Maximum = 9ms, Average = 3ms

C:\Documents and Settings>ping 10.8.10.1 -l 128

Reply from 10.8.10.1: bytes=128 time=8ms TTL=30
Reply from 10.8.10.1: bytes=128 time=2ms TTL=30
Reply from 10.8.10.1: bytes=128 time=1ms TTL=30
Reply from 10.8.10.1: bytes=128 time=2ms TTL=30

Ping statistics for 10.8.10.1:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 1ms, Maximum = 8ms, Average = 3ms

C:\Documents and Settings>ping 10.8.10.1 -l 256

Reply from 10.8.10.1: bytes=256 time=10ms TTL=30
Reply from 10.8.10.1: bytes=256 time=2ms TTL=30
Reply from 10.8.10.1: bytes=256 time=2ms TTL=30
Reply from 10.8.10.1: bytes=256 time=2ms TTL=30
Ping statistics for 10.8.10.1:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 2ms, Maximum = 10ms, Average = 4ms

C:\Documents and Settings>ping 10.8.10.1 -l 512

Pinging 10.8.10.1 with 512 bytes of data:

Reply from 10.8.10.1: bytes=512 time=11ms TTL=30
Reply from 10.8.10.1: bytes=512 time=3ms TTL=30
Reply from 10.8.10.1: bytes=512 time=3ms TTL=30
Ping statistics for 10.8.10.1:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 3ms, Maximum = 11ms, Average = 5ms

C:\Documents and Settings>ping 10.8.10.1 -l 1024

Pinging 10.8.10.1 with 1024 bytes of data:

Reply from 10.8.10.1: bytes=1024 time=12ms TTL=30
Reply from 10.8.10.1: bytes=1024 time=2ms TTL=30
Reply from 10.8.10.1: bytes=1024 time=3ms TTL=30
Ping statistics for 10.8.10.1:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 2ms, Maximum = 12ms, Average = 5ms

C:\Documents and Settings>ping 10.8.10.1 -l 2048

Pinging 10.8.10.1 with 2048 bytes of data:

Reply from 10.8.10.1: bytes=2048 time=12ms TTL=30
Reply from 10.8.10.1: bytes=2048 time=4ms TTL=30
Reply from 10.8.10.1: bytes=2048 time=4ms TTL=30
Ping statistics for 10.8.10.1:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 4ms, Maximum = 12ms, Average = 6ms

C:\Documents and Settings>ping 10.8.10.1 -l 4096

Pinging 10.8.10.1 with 4096 bytes of data:

Reply from 10.8.10.1: bytes=4096 time=13ms TTL=30
Reply from 10.8.10.1: bytes=4096 time=6ms TTL=30
Reply from 10.8.10.1: bytes=4096 time=4ms TTL=30
Ping statistics for 10.8.10.1:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 4ms, Maximum = 13ms, Average = 7ms

Tanggal 10 Mei 2010

C:\Documents and Settings>ping 10.8.10.1 -l 32

Pinging 10.8.10.1 with 32 bytes of data:

Reply from 10.8.10.1: bytes=32 time=9ms TTL=30
Reply from 10.8.10.1: bytes=32 time=2ms TTL=30
Reply from 10.8.10.1: bytes=32 time=2ms TTL=30
Reply from 10.8.10.1: bytes=32 time=2ms TTL=30
Ping statistics for 10.8.10.1:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
      Minimum = 2ms, Maximum = 9ms, Average = 3ms

C:\Documents and Settings>ping 10.8.10.1 -l 64
Pinging 10.8.10.1 with 64 bytes of data:
   Reply from 10.8.10.1: bytes=64 time=10ms TTL=30
   Reply from 10.8.10.1: bytes=64 time=2ms TTL=30
   Reply from 10.8.10.1: bytes=64 time=2ms TTL=30
   Reply from 10.8.10.1: bytes=64 time=2ms TTL=30
Ping statistics for 10.8.10.1:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
      Minimum = 2ms, Maximum = 10ms, Average = 4ms

C:\Documents and Settings>ping 10.8.10.1 -l 128
Pinging 10.8.10.1 with 128 bytes of data:
   Reply from 10.8.10.1: bytes=128 time=10ms TTL=30
   Reply from 10.8.10.1: bytes=128 time=2ms TTL=30
   Reply from 10.8.10.1: bytes=128 time=2ms TTL=30
   Reply from 10.8.10.1: bytes=128 time=2ms TTL=30
Ping statistics for 10.8.10.1:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
      Minimum = 2ms, Maximum = 10ms, Average = 4ms

C:\Documents and Settings>ping 10.8.10.1 -l 256
Pinging 10.8.10.1 with 256 bytes of data:
   Reply from 10.8.10.1: bytes=256 time=10ms TTL=30
   Reply from 10.8.10.1: bytes=256 time=2ms TTL=30
   Reply from 10.8.10.1: bytes=256 time=2ms TTL=30
   Reply from 10.8.10.1: bytes=256 time=2ms TTL=30
Ping statistics for 10.8.10.1:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
      Minimum = 2ms, Maximum = 10ms, Average = 4ms

C:\Documents and Settings>ping 10.8.10.1 -l 512
Pinging 10.8.10.1 with 512 bytes of data:
   Reply from 10.8.10.1: bytes=512 time=10ms TTL=30
   Reply from 10.8.10.1: bytes=512 time=3ms TTL=30
   Reply from 10.8.10.1: bytes=512 time=3ms TTL=30
   Reply from 10.8.10.1: bytes=512 time=7ms TTL=30
Ping statistics for 10.8.10.1:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
      Minimum = 3ms, Maximum = 10ms, Average = 5ms

C:\Documents and Settings>ping 10.8.10.1 -l 1024
Pinging 10.8.10.1 with 1024 bytes of data:
   Reply from 10.8.10.1: bytes=1024 time=12ms TTL=30
   Reply from 10.8.10.1: bytes=1024 time=4ms TTL=30
   Reply from 10.8.10.1: bytes=1024 time=4ms TTL=30
   Reply from 10.8.10.1: bytes=1024 time=4ms TTL=30
Ping statistics for 10.8.10.1:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
      Minimum = 4ms, Maximum = 12ms, Average = 6ms
C:\Documents and Settings>ping 10.8.10.1 -l 2048

Pinging 10.8.10.1 with 2048 bytes of data:

Reply from 10.8.10.1: bytes=2048 time=14ms TTL=30
Reply from 10.8.10.1: bytes=2048 time=4ms TTL=30
Reply from 10.8.10.1: bytes=2048 time=4ms TTL=30
Reply from 10.8.10.1: bytes=2048 time=5ms TTL=30

Ping statistics for 10.8.10.1:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
  Approximate round trip times in milli-seconds:
    Minimum = 4ms, Maximum = 14ms, Average = 7ms

C:\Documents and Settings>ping 10.8.10.1 -l 4096

Pinging 10.8.10.1 with 4096 bytes of data:

Reply from 10.8.10.1: bytes=4096 time=16ms TTL=30
Reply from 10.8.10.1: bytes=4096 time=7ms TTL=30
Reply from 10.8.10.1: bytes=4096 time=4ms TTL=30
Reply from 10.8.10.1: bytes=4096 time=5ms TTL=30

Ping statistics for 10.8.10.1:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
  Approximate round trip times in milli-seconds:
    Minimum = 4ms, Maximum = 16ms, Average = 8ms

Tanggal 11 Mei 2010

Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings>cd..

C:\Documents and Settings>ping 10.8.10.1 -l 32

Pinging 10.8.10.1 with 32 bytes of data:

Reply from 10.8.10.1: bytes=32 time=9ms TTL=30
Reply from 10.8.10.1: bytes=32 time=2ms TTL=30
Reply from 10.8.10.1: bytes=32 time=2ms TTL=30
Reply from 10.8.10.1: bytes=32 time=2ms TTL=30

Ping statistics for 10.8.10.1:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
  Approximate round trip times in milli-seconds:
    Minimum = 2ms, Maximum = 9ms, Average = 3ms

C:\Documents and Settings>ping 10.8.10.1 -l 64

Pinging 10.8.10.1 with 64 bytes of data:

Reply from 10.8.10.1: bytes=64 time=9ms TTL=30
Reply from 10.8.10.1: bytes=64 time=2ms TTL=30
Reply from 10.8.10.1: bytes=64 time=2ms TTL=30
Reply from 10.8.10.1: bytes=64 time=2ms TTL=30

Ping statistics for 10.8.10.1:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
  Approximate round trip times in milli-seconds:
    Minimum = 2ms, Maximum = 9ms, Average = 3ms

C:\Documents and Settings>ping 10.8.10.1 -l 128

Pinging 10.8.10.1 with 128 bytes of data:

Reply from 10.8.10.1: bytes=128 time=10ms TTL=30
Reply from 10.8.10.1: bytes=128 time=2ms TTL=30
Reply from 10.8.10.1: bytes=128 time=2ms TTL=30
Reply from 10.8.10.1: bytes=128 time=2ms TTL=30

Universitas Sumatera Utara
Ping statistics for 10.8.10.1:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
       Minimum = 2ms, Maximum = 10ms, Average = 4ms
C:\Documents and Settings>ping 10.8.10.1 -l 256

Pinging 10.8.10.1 with 256 bytes of data:

Reply from 10.8.10.1: bytes=256 time=10ms TTL=30
Reply from 10.8.10.1: bytes=256 time=2ms TTL=30
Reply from 10.8.10.1: bytes=256 time=2ms TTL=30
Reply from 10.8.10.1: bytes=256 time=2ms TTL=30

Ping statistics for 10.8.10.1:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
       Minimum = 2ms, Maximum = 10ms, Average = 4ms
C:\Documents and Settings>ping 10.8.10.1 -l 512

Pinging 10.8.10.1 with 512 bytes of data:

Reply from 10.8.10.1: bytes=512 time=9ms TTL=30
Reply from 10.8.10.1: bytes=512 time=3ms TTL=30
Reply from 10.8.10.1: bytes=512 time=3ms TTL=30
Reply from 10.8.10.1: bytes=512 time=3ms TTL=30

Ping statistics for 10.8.10.1:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
       Minimum = 2ms, Maximum = 9ms, Average = 4ms
C:\Documents and Settings>ping 10.8.10.1 -l 1024

Pinging 10.8.10.1 with 1024 bytes of data:

Reply from 10.8.10.1: bytes=1024 time=11ms TTL=30
Reply from 10.8.10.1: bytes=1024 time=4ms TTL=30
Reply from 10.8.10.1: bytes=1024 time=4ms TTL=30
Reply from 10.8.10.1: bytes=1024 time=4ms TTL=30

Ping statistics for 10.8.10.1:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
       Minimum = 4ms, Maximum = 11ms, Average = 5ms
C:\Documents and Settings>ping 10.8.10.1 -l 2048

Pinging 10.8.10.1 with 2048 bytes of data:

Reply from 10.8.10.1: bytes=2048 time=12ms TTL=30
Reply from 10.8.10.1: bytes=2048 time=3ms TTL=30
Reply from 10.8.10.1: bytes=2048 time=3ms TTL=30
Reply from 10.8.10.1: bytes=2048 time=3ms TTL=30

Ping statistics for 10.8.10.1:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
       Minimum = 3ms, Maximum = 12ms, Average = 5ms
C:\Documents and Settings>ping 10.8.10.1 -l 4096

Pinging 10.8.10.1 with 4096 bytes of data:

Reply from 10.8.10.1: bytes=4096 time=14ms TTL=30
Reply from 10.8.10.1: bytes=4096 time=4ms TTL=30
Reply from 10.8.10.1: bytes=4096 time=3ms TTL=30
Reply from 10.8.10.1: bytes=4096 time=3ms TTL=30

Ping statistics for 10.8.10.1:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
       Minimum = 3ms, Maximum = 14ms, Average = 6ms
LAMPIRAN F

Data Hasil Pengukuran *Throughput dari User ke Website*

1. **Pengukuran *Throughput dari User ke Website* Luar Negri**

1.1 **Pengukuran dari user ke website www.facebook.com**

C:\>iperf -c www.facebook.com -P 1 -i 1 -t 80 -l 18K -f k -t 10 -L 5001

Client connecting to www.facebook.com, TCP port 80
TCP window size: 8.00 KByte (default)

[256] local 0.0.0.0 port 50851 connected with 66.220.146.32 port 80
[ ID] Interval       Transfer     Bandwidth
[256]  0.0- 1.0 sec  48.0 KBytes   393 Kbits/sec
[256]  1.0- 2.0 sec  0.00 KBytes  0.00 Kbits/sec
[256]  2.0- 3.0 sec  16.0 KBytes   131 Kbits/sec
write failed: Connection reset by peer
read on server close failed: Software caused connection abort
[256]  0.0- 3.6 sec  80.0 KBytes   181 Kbits/sec

1.2 **Pengukuran dari user ke website www.yahoo.com**

C:\>iperf -c www.yahoo.com -P 1 -i 1 -p 80 -l 8K -f k -t 10 -L 5001

Client connecting to www.yahoo.com, TCP port 80
TCP window size: 8.00 KByte (default)

[256] local 0.0.0.0 port 50705 connected with 67.195.145.137 port 80
[ ID] Interval       Transfer     Bandwidth
[256]  0.0- 1.0 sec  56.0 KBytes   459 Kbits/sec
[256]  1.0- 2.0 sec  16.0 KBytes   131 Kbits/sec
[256]  2.0- 3.0 sec  32.0 KBytes   262 Kbits/sec
[256]  3.0- 4.0 sec  32.0 KBytes   262 Kbits/sec
[256]  4.0- 5.0 sec  16.0 KBytes   131 Kbits/sec
write failed: Connection reset by peer
read on server close failed: Software caused connection abort
[256]  0.0- 7.0 sec  184 KBytes   216 Kbits/sec

1.3 **Pengukuran dari user ke website www.download.com**

C:\>iperf -c www.download.com -P 1 -i 1 -p 80 -l 8K -f k -t 10 -L 5001

Client connecting to www.download.com, TCP port 80
TCP window size: 8.00 KByte (default)

[256] local 0.0.0.0 port 50471 connected with 216.239.122.40 port 80
[ ID] Interval       Transfer     Bandwidth
[256]  0.0- 1.0 sec  40.0 KBytes   328 Kbits/sec
[256]  1.0- 2.0 sec  0.00 KBytes  0.00 Kbits/sec
[256]  2.0- 3.0 sec  40.0 KBytes   328 Kbits/sec
[256]  3.0- 4.0 sec  16.0 KBytes   131 Kbits/sec
[256]  4.0- 5.0 sec  16.0 KBytes   131 Kbits/sec
[256]  5.0- 6.0 sec  0.00 KBytes  0.00 Kbits/sec
[256]  6.0- 7.0 sec  16.0 KBytes   131 Kbits/sec
[256]  7.0- 8.0 sec  8.00 KBytes  65.5 Kbits/sec
[256]  8.0- 9.0 sec  8.00 KBytes  65.5 Kbits/sec
[256]  9.0-10.0 sec  16.0 KBytes   131 Kbits/sec
[256] 10.0-10.4 sec  168 KBytes  132 Kbits/sec

2. **Pengukuran *Throughput dari User ke Website* Lokal**

2.1 **Pengukuran dari User ke Website www.kaskus.us**
2.2 Pengukuran dari User ke Website www.detik.com

C:\>iperf -c www.detik.com -P 1 -i 1 -p 80 -l 8K -f k -t 10 -L 5001
-------------------------------------------------------------
Client connecting to www.detik.com, TCP port 80
TCP window size: 8.00 KByte (default)
-------------------------------------------------------------
[256] local 0.0.0.0 port 51909 connected with 203.190.242.69 port 80
write failed: Connection reset by peer
read on server close failed: Software caused connection abort
[ ID] Interval     Transfer     Bandwidth
[256]  0.0- 0.5 sec  56.0 KBytes   882 Kbits/sec

2.3 Pengukuran dari User ke Website www.usu.ac.id

C:\>iperf -c www.usu.ac.id -P 1 -i 1 -p 80 -l 8K -f k -t 10 -L 5001
-------------------------------------------------------------
Client connecting to www.usu.ac.id, TCP port 80
TCP window size: 8.00 KByte (default)
-------------------------------------------------------------
[256] local 0.0.0.0 port 49855 connected with 203.130.206.51 port 80
write failed: Connection reset by peer
read on server close failed: Software caused connection abort
[ ID] Interval     Transfer     Bandwidth
[256]  0.0- 0.5 sec  48.0 KBytes   859 Kbits/sec
Traffic Analysis for 2 -- PKL-ITNSR

System: PKL-ITNSR
Maintainer: 
Description: Broadcom-NetXtreme-Gigabit-Ethernet-for-hp---Teefer2-Miniport
ifType: ethernetCsmacd (6)
ifName: 
Max Speed: 12.5 MBytes/s
Ip: 10.8.5.105 (PKL-ITNSR.office.corp.indosat.com)
The statistics were last updated Tuesday, 11 May 2010 at 16:30, at which time 'PKL-ITNSR' had been up for 8:06:38.

'Daily' Graph (5 Minute Average)

<table>
<thead>
<tr>
<th></th>
<th>Max</th>
<th>Average</th>
<th>Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>In</td>
<td>5479.0 B/s (0.0%)</td>
<td>1042.0 B/s (0.0%)</td>
<td>422.0 B/s (0.0%)</td>
</tr>
<tr>
<td>Out</td>
<td>1382.0 B/s (0.0%)</td>
<td>142.0 B/s (0.0%)</td>
<td>37.0 B/s (0.0%)</td>
</tr>
</tbody>
</table>

'Weekly' Graph (30 Minute Average)

<table>
<thead>
<tr>
<th></th>
<th>Max</th>
<th>Average</th>
<th>Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>In</td>
<td>5178.0 B/s (0.0%)</td>
<td>1034.0 B/s (0.0%)</td>
<td>3906.0 B/s (0.0%)</td>
</tr>
<tr>
<td>Out</td>
<td>1088.0 B/s (0.0%)</td>
<td>141.0 B/s (0.0%)</td>
<td>499.0 B/s (0.0%)</td>
</tr>
</tbody>
</table>
`Monthly' Graph (2 Hour Average)

Max | Average | Current
---|---------|---------
In  2663.0 B/s (0.0%) 876.0 B/s (0.0%) 1955.0 B/s (0.0%)
Out 339.0 B/s (0.0%) 121.0 B/s (0.0%) 239.0 B/s (0.0%)

`Yearly' Graph (1 Day Average)

Max | Average | Current
---|---------|---------
In  666.0 B/s (0.0%) 667.0 B/s (0.0%) 667.0 B/s (0.0%)
Out 75.0 B/s (0.0%) 76.0 B/s (0.0%) 76.0 B/s (0.0%)

GREEN ### Incoming Traffic in Bytes per Second
BLUE ### Outgoing Traffic in Bytes per Second

MRTG MULTI ROUTER TRAFFIC GRAPHER

2.16.2

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