

31. GIẢI PHÁP-TESTING - Task #792

Test LAN Bench dây 10GB cat6 cắm port 10GB onboard

25-05-2024 22:59 - Hiếu Nguyễn Phùng

Trạng thái:	Closed	Bắt đầu:	25-05-2024
Mức ưu tiên:	Normal	Hết hạn:	
Phân công cho:	Hiếu Nguyễn Phùng	Tiến độ:	0%
Chủ đề:		Thời gian ước lượng:	0:00 giờ
Phiên bản:		Thời gian:	0:00 giờ

Mô tả
Trường hợp: Cần Server Intel sử dụng 2 port 10GB onboard có đầu cắm dạng RJ45, đầu còn lại cắm thêm đầu cắm 10GB SFP+ để cắm vào Switch 10GB
Mục tiêu: test tốc độ 2 port đạt 10 Gbps
Thông tin:
Esxi: 192.168.70.78
root/Lvs\$3726
Kết quả:
Tốc độ Receive/Send đạt trung bình từ 7-8GB:

The screenshot displays the Windows Performance Monitor interface. In the foreground, the LANBench v1.1.0 application window is open, showing the 'Tester (Client)' section with a 'Test' button. The performance results are as follows:

Category	Current	Average
Send	0.00 Kbits/s	5,608,613.79 Kbits/s
Recv	0.00 Kbits/s	0.00 Kbits/s

Below the results, it indicates 'Managed Memory Size: 80227KB'. In the background, the Performance Monitor shows system metrics: CPU at 29% (3.19 GHz), Memory at 4.3/8.0 GB (54%), and Disk 0 (C:) SSD at 0%. The Ethernet section shows a throughput graph for 'Ethernet Int' with a legend for 'Send' (6.2 Gbps) and 'Receive' (8.6 Mbps). The graph shows a sharp spike in throughput during the test period.

LANBench v1.1.0

File Help

Server

Listen

Tester (Client)

Cancel Remaining: 1s

Performance:

Current: Send: 0.00 Kbits/s
Recv: 6,583,498.44 Kbits/s

Average: Send: 0.00 Kbits/s
Recv: 5,505,137.18 Kbits/s

Managed Memory Size: 97124KB

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Local Disk (C:)

DVD Drive (D:) E:

Task Manager

File Options View

Processes Performance App history Startup Users Details Services

CPU 53% 3.19 GHz

Memory 3.5/8.0 GB (44%)

Disk 0 (C:) SSD 0%

Ethernet Ethernet0 S: 0 R: 6.8 Gbps

Ethernet Intel(R) 82574L Gigabit I

Throughput

60 seconds

Send 9.3 Mbps

Receive 6.8 Gbps

Adapter name: Ethernet0
Connection type: Ethernet
IPv4 address: 192.168.70.67
IPv6 address: fe80::16d7:c21

Fewer details | Open Resource Monitor

LANBench v1.1.0

File Help

Server

Listen

Tester (Client)

Cancel Remaining: 2s

Performance:

Current: Send: 0.00 Kbits/s
Recv: 7,702,138.97 Kbits/s

Average: Send: 0.00 Kbits/s
Recv: 7,950,056.80 Kbits/s

Managed Memory Size: 88952KB

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DVD Drive (D:) E:

Task Manager

File Options View

Processes Performance App history Startup Users Details Services

CPU 84% 3.19 GHz

Memory 3.5/8.0 GB (44%)

Disk 0 (C:) SSD 5%

Ethernet Ethernet0 S: 0 R: 7.7 Gbps

Ethernet Intel(R)

Throughput

60 seconds

Send 7.5 Mbps

Receive 7.7 Gbps

Adapter name: Ethernet0
Connector: Ethernet
IPv4 address: 192.168.70.67
IPv6 address: fe80::16d7:c21

Fewer details | Open Resource Monitor

The screenshot shows a Windows Task Manager window in the Performance tab. The system metrics are as follows:

- CPU:** 39% 3.19 GHz
- Memory:** 3.8/8.0 GB (48%)
- Disk 0 (C:):** SSD, 0%
- Ethernet:** Ethernet0, S: 7.7 R: 0 Gbps

The Ethernet throughput section shows:

- Send:** 7.7 Gbps
- Receive:** 9.2 Mbps

The LANBench v1.1.0 application window is open, showing the following performance results:

- Current:** Send: 7,151,746.03 Kbits/s, Recv: 0.00 Kbits/s
- Average:** Send: 7,541,353.35 Kbits/s, Recv: 0.00 Kbits/s
- Managed Memory Size:** 80380KB

Below the screenshot, there are two links:

Tài liệu hướng dẫn: <https://docs.google.com/document/d/1om9VtOVmj0Shv7kgS6hw6XK1-DbhVcxPNZin0ileBKM/edit?usp=sharing>

Tài liệu tham khảo: https://www.reddit.com/r/homelab/comments/11v94kz/new_10g_network_iperf_3_maxing_out_at_6_gbitssec/

Lược sử

#1 - 25-05-2024 23:00 - Hiếu Nguyễn Phùng

- Phân công cho gán cho Hiếu Nguyễn Phùng

#2 - 26-05-2024 20:02 - Hiếu Nguyễn Phùng

- Chủ đề thay đổi từ Test LAN Bench dây 10GB cat6 tới Test LAN Bench dây 10GB cat6 cắm port 10GB onboard

#3 - 27-05-2024 14:46 - Hiếu Nguyễn Phùng

- Mô tả cập nhật

#4 - 31-05-2024 14:13 - Hiếu Nguyễn Phùng

- Mô tả cập nhật

#5 - 02-06-2024 16:15 - Hiếu Nguyễn Phùng

- Mô tả cập nhật

#6 - 04-06-2024 21:47 - Hiếu Nguyễn Phùng

- Trạng thái thay đổi từ New tới Closed

Tập tin

clipboard-202405252148-ysza5.png	39,1 KB	25-05-2024	Hiếu Nguyễn Phùng
clipboard-202405252148-4am5c.png	68,6 KB	25-05-2024	Hiếu Nguyễn Phùng

clipboard-202405252148-fieyb.png	65,9 KB	25-05-2024	Hiếu Nguyễn Phùng
clipboard-202405252149-6mbcr.png	64,3 KB	25-05-2024	Hiếu Nguyễn Phùng