Network Performance Analysis Report

Executive Summary

This report analyzes network performance data collected from 2 monitoring locations testing connectivity to vimeo.com/226053498?autoplay=1&loop;=1 over 4.1 hours. A total of 44 measurements were collected during the test period. **Key Findings:**
• Average network latency: 30.4 ms
• Average packet loss: 0.00%
• Test completed: completed
• Monitoring clients: 2 locations

Test Configuration

Test Name	Stream Test
Destination	vimeo.com/226053498?autoplay=1&loop=1
Start Time	2025-06-23 20:28:56
End Time	2025-06-24 00:33:59
Duration	300 seconds
Measurement Interval	5 seconds
Status	COMPLETED
Participating Clients	2

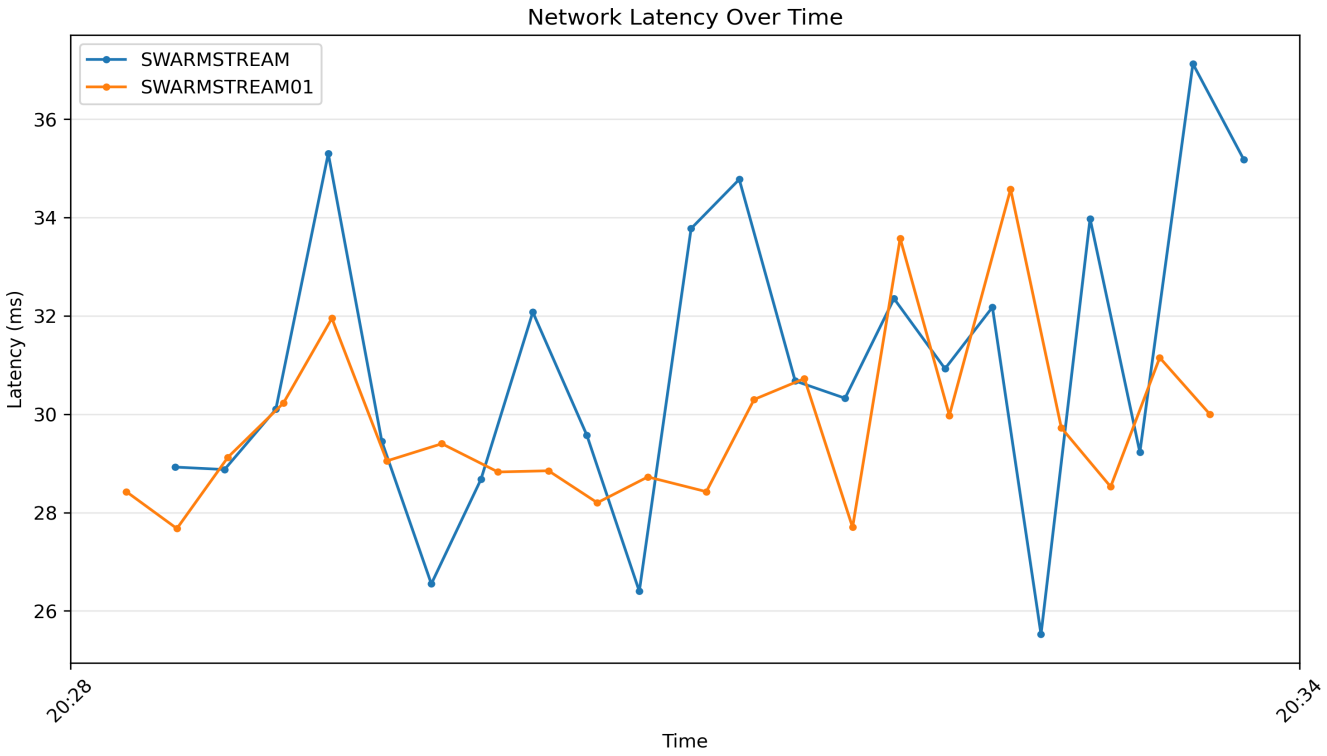
Key Performance Indicators

Network Performance Metrics	Average	Min	Max	Status
Ping Latency (ms)	30.4	25.5	37.1	Excellent
Network Jitter (ms)	3.82	0.72	12.07	Excellent
DNS Resolution (ms)	0.4	0.4	0.4	Excellent
Download Speed (Mbps)	1.0	0.6	1.4	Poor

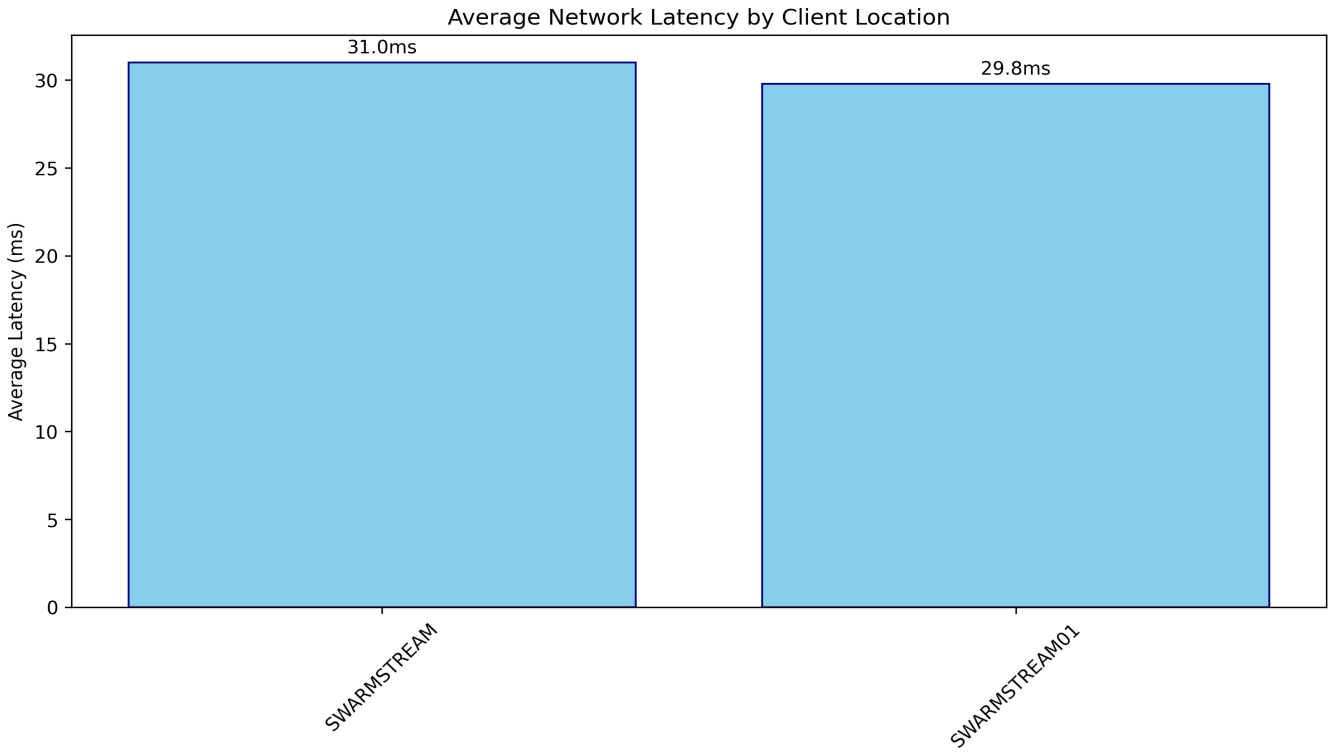
System Resource Metrics	Average	Min	Max	Status
CPU Usage (%)	0.7	0.0	1.0	Excellent
Memory Usage (%)	5.7	5.3	6.2	Excellent
Disk Usage (%)	3.5	3.4	3.5	Excellent
CPU Load (1min)	0.04	0.00	0.15	Excellent

Advanced Network & QoS	Value	Analysis		
ECN Support	No	Info		
Traffic Policing	None	Info		

Network Latency Over Time



Client Performance Comparison


Average Network Latency by Client Location
Average Latency (ms)
0
5
10
15
20
25
30
31.0ms
29.8ms
SWARMSTREAM
SWARMSTREAM01

Client Performance Analysis

Client Location	Avg Latency (ms)	Avg Packet Loss (%)	Measurements	Status
SWARMSTREAM	31.0	0.00	22	Excellent
SWARMSTREAM01	29.8	0.00	22	Excellent

Quality of Service Analysis

Quality of Service Analysis:

QoS data collected from 44 measurements.

DSCP Value Distribution:
• DSCP 26 (AF31): 44 measurements (100.0%)

Recommendations

• INFO: ECN not detected. Consider enabling ECN for improved congestion handling.
• MEDIUM: Low download bandwidth <10 Mbps. Consider bandwidth upgrade for improved user experience.
• Implement continuous monitoring for early issue detection.
• Schedule regular performance reviews to track improvements.
• Consider capacity planning based on growth projections.