



# Network Performance Analysis Report

## Executive Summary

This report analyzes network performance data collected from 2 monitoring locations testing connectivity to vimeo.com over 4.1 hours. A total of 18 measurements were collected during the test period. **Key Findings:**

- Average network latency: 36.3 ms
- Average packet loss: 0.00%
- Test completed: completed
- Monitoring clients: 2 locations

## Test Configuration

| Test Name             | Video Test          |
|-----------------------|---------------------|
| Destination           | vimeo.com           |
| Start Time            | 2025-06-26 21:36:05 |
| End Time              | 2025-06-27 01:41:14 |
| Duration              | 300 seconds         |
| Measurement Interval  | 5 seconds           |
| Status                | COMPLETED           |
| Participating Clients | 2                   |

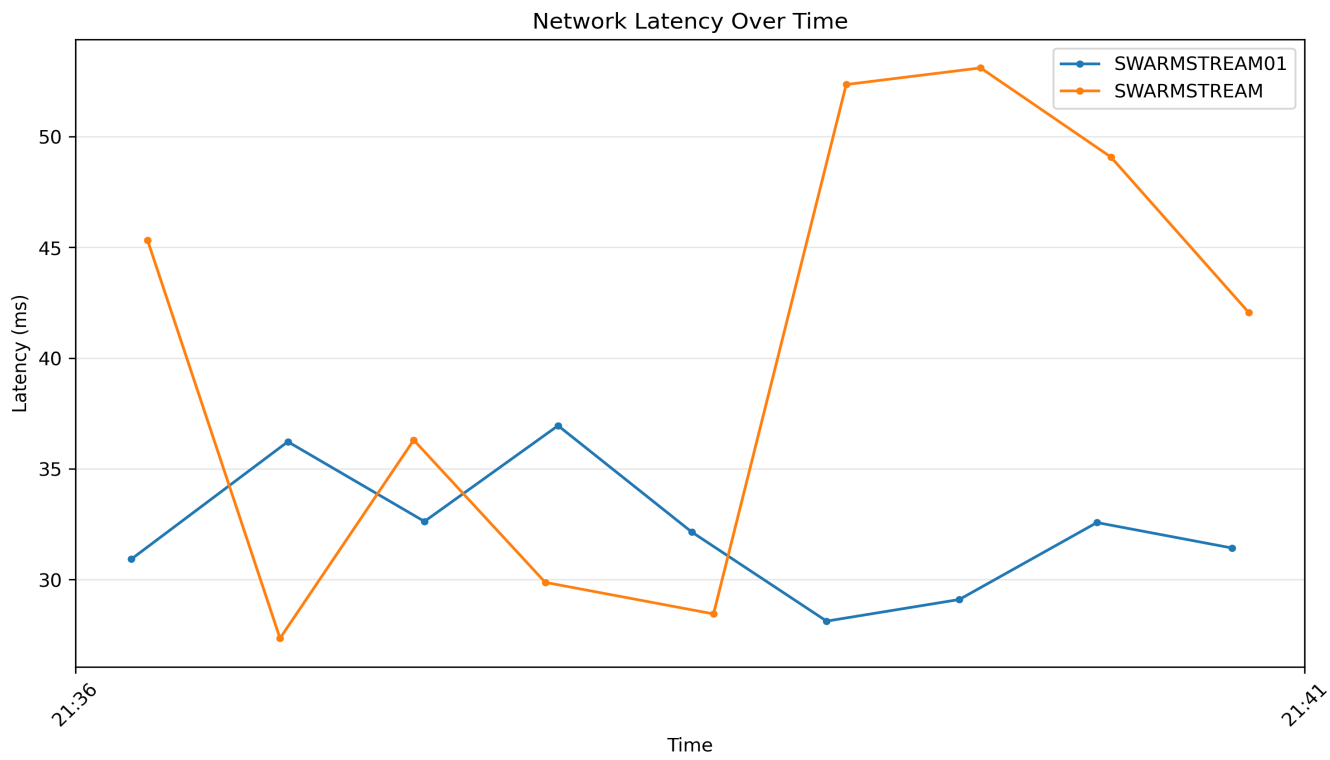
## Key Performance Indicators

| Network Performance Metrics | Average | Min  | Max   | Status    |
|-----------------------------|---------|------|-------|-----------|
| Ping Latency (ms)           | 36.3    | 27.4 | 53.1  | Excellent |
| Network Jitter (ms)         | 7.94    | 0.90 | 25.26 | Excellent |
| DNS Resolution (ms)         | 0.4     | 0.4  | 0.4   | Excellent |
| Download Speed (Mbps)       | 122.7   | 75.0 | 177.6 | Excellent |

| System Resource Metrics | Average | Min  | Max  | Status    |
|-------------------------|---------|------|------|-----------|
| CPU Usage (%)           | 0.5     | 0.0  | 0.8  | Excellent |
| Memory Usage (%)        | 5.6     | 5.5  | 5.8  | Excellent |
| Disk Usage (%)          | 3.1     | 2.8  | 3.5  | Excellent |
| CPU Load (1min)         | 0.44    | 0.00 | 0.77 | Excellent |

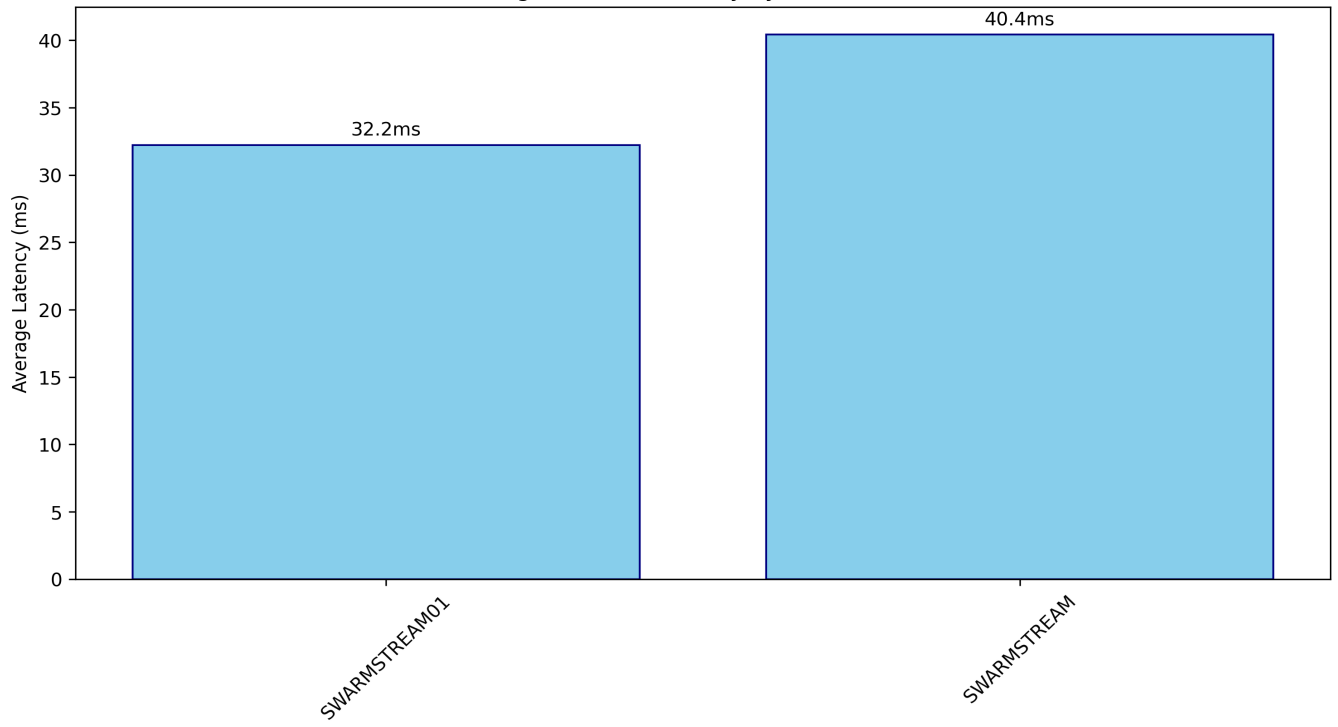
| Advanced Network & QoS | Value | Analysis |  |  |
|------------------------|-------|----------|--|--|
| ECN Support            | No    | Info     |  |  |
| Traffic Policing       | None  | Info     |  |  |

## Network Latency Over Time



## Client Performance Comparison

Average Network Latency by Client Location



# Client Performance Analysis

| Client Location | Avg Latency (ms) | Avg Packet Loss (%) | Measurements | Status    |
|-----------------|------------------|---------------------|--------------|-----------|
| SWARMSTREAM01   | 32.2             | 0.00                | 9            | Excellent |
| SWARMSTREAM     | 40.4             | 0.00                | 9            | Excellent |

## Quality of Service Analysis

**Quality of Service Analysis:**

QoS data collected from 18 measurements.

**DSCP Value Distribution:**

- DSCP 26 (AF31): 18 measurements (100.0%)

## Recommendations

- INFO: ECN not detected. Consider enabling ECN for improved congestion handling.
- Implement continuous monitoring for early issue detection.
- Schedule regular performance reviews to track improvements.
- Consider capacity planning based on growth projections.