

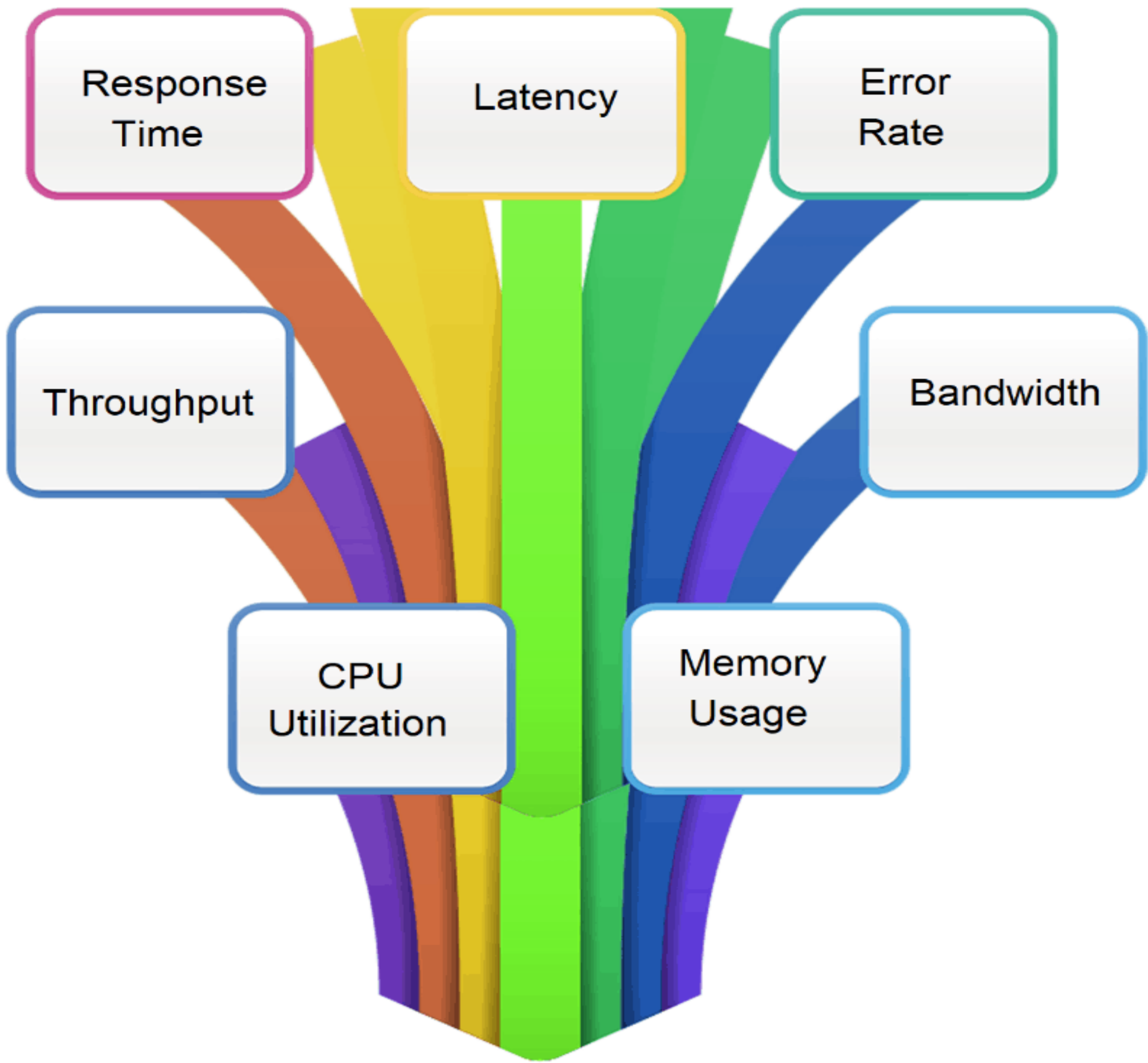
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ISTQB® Performance Testing

REVIEWING KEY POINTS

Key Performance Indicators

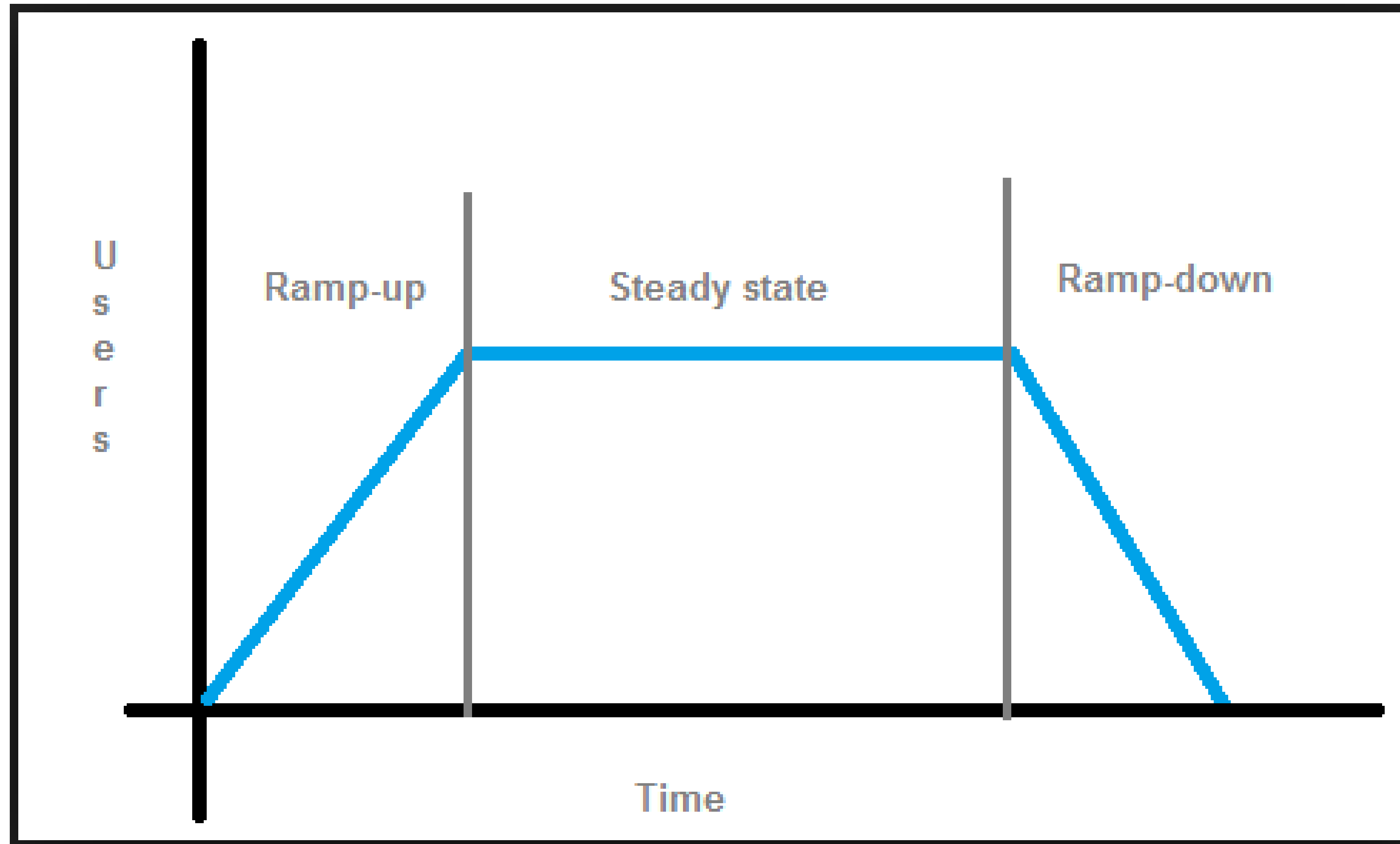


Types of Performance Testing



- ✓ **Load Testing**
- ✓ **Stress Testing**
- ✓ **Scalability Testing**
- ✓ **Spike Testing**
- ✓ **Endurance Testing**
- ✓ **Concurrency Testing**
- ✓ **Capacity Testing**

Explanation of operating profiles



Common Performance Problems



Performance Testing Process

Identify Test
Environment

Determine
Performance
Criteria

Plan &
Design

Configure
Test
Environment

Implement
Test Design

Run Tests

Analyze ,
finetune &
Re-test

Performance Testing Metrics: Parameters Monitored



- ✓ **Status of simulated users**
- ✓ **Transaction response time**
- ✓ **Transactions per second**
- ✓ **Transaction failures**
- ✓ **Hits per second**
- ✓ **System Throughput**
- ✓ **Network throughput**
- ✓ **HTTP response**

Performance Testing Metrics

System throughput = [number of virtual users] / ([processing time] + [think time])