

## Analysis: JMeter Test Results

### 1. Key Observations

- **102 requests** with **2.94% error rate** (3 failed requests)
- **Average response: 183 ms**, but **median is only 47 ms** (skewed by slow requests)
- **10% of requests are very slow** (90th percentile = 672 ms)
- **Throughput: 5.43 requests/second**

### 2. Critical Issues Found

1. **3 requests failed completely** (100% error rate - lines 82, 84, 85)
2. **High response time variability** - some endpoints take 10-20x longer than others
3. **Slowest endpoints:**
  - Account sign-on: 1023 ms (line 95)
  - Order processing: ~680 ms
  - Large assets (jQuery, images): 476-982 ms

### 3. Top Recommendations

#### **Immediate:**

1. **Fix the 3 failing endpoints** - these are likely configuration errors or broken links.
2. **Optimize the 5 slowest endpoints**, especially account/order processing

- 3. Implement caching** for static assets (JS, CSS, images) - will reduce load times by 50-80%
- 4. Compress images** and minify JavaScript files