Response Time Analysis: Security Patterns Normal Traffic Pattern Baseline response time distribution Mean: ~100ms, Low variance Mean: 99.5ms Median: 99.0ms 95th: 133.0ms Frequency 80 Response Time (ms) Milli-Bottleneck Attack Pattern Short, intense spikes in response times Possible DoS attempt Mean: 503.4ms Median: 506.0ms 95th: 664.0ms Frequency Response Time (ms) Resource Exhaustion Pattern Gradual degradation pattern System resource depletion Mean: 293.0ms Median: 207.5ms 95th: 870.2ms Frequency 200 200 Response Time (ms) Synchronized Attack Pattern Coordinated attack pattern Multiple simultaneous requests Mean: 403.2ms Median: 368.0ms 95th: 772.0ms Frequency 08 Response Time (ms) Pattern with Countermeasures Protected system response Reduced impact of attacks Mean: 149.3ms Median: 149.0ms 95th: 199.0ms Frequency Response Time (ms)