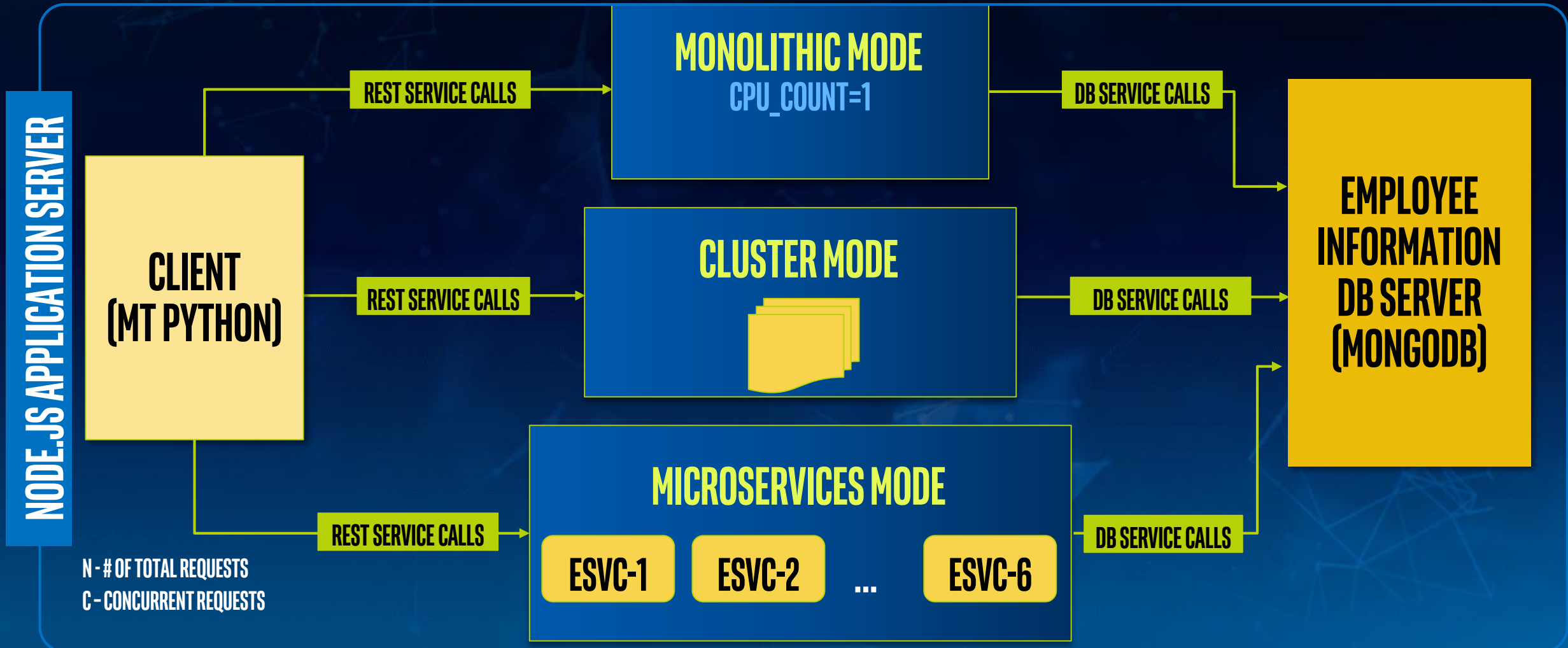


DATA CENTER WORKLOADS FOR **NODE.JS***

New Open Source Data Center Workload for Node.js

<https://github.com/Node-DC>

NODE-DC-EIS WORKLOAD



NODE-DC-EIS IS EMPLOYEE INFORMATION SERVICE WRITTEN IN NODE.JS

NODE BENCHMARKING USE CASES

- Main Use Case Categories
 - Back-end API services
 - Service oriented architectures (SOA)
 - Microservice-based applications
 - Generating/serving dynamic web page content
 - Agents and Data Collectors
 - Small scripts
 - SPA applications with bidirectional communication over WebSockets and/or HTTP/2
- For these use cases one or more of the following are often important:
 - consistent low latency
 - ability to support high concurrency
 - throughput
 - fast startup/restart/shutdown
 - low resource usage (memory/cpu)

METRIC AND REPORT

- Throughput (n Node-DC-EIS requests / second):
 - "requests in measurement phase / measurement time"
- p99 Response Time:
 - 99 percentile of response time
- Report also contains
 - Detailed data and graphs for min, max, avg response time.
- Histograms for memory utilization over the run length

NEXT STEPS

- From current 0.9 to 1.0 by end of March 2017
- April 2017 add to node benchmarking suite