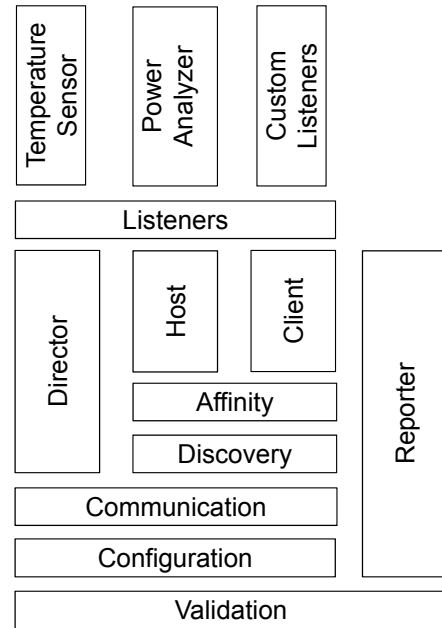# Worklet Development

The Chauffeur Worklet Development Kit (WDK)

An advanced framework for creating worklets to measure the performance and server efficiency at variable utilizations levels.

Key Benefits

- Creating new workloads
- Extensible data collection
- Custom reports
- Modifying runtime behavior
- Multiple Hosts and Multiple Threads
- Energy Measurements
- Multiple Workload Support
- Easy to Run
- Flexible Configuration and Data Collection
- Self-validation
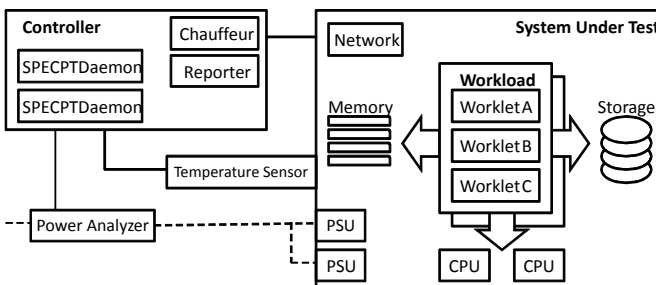- Customizable Reporting
- Portability

Chauffeur Design Overview
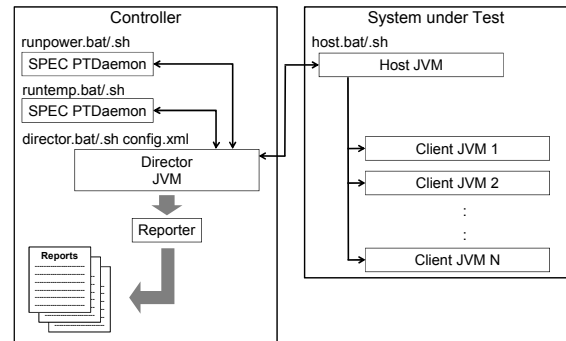
Related Publications

- Variations in CPU Power Consumption
- Energy Efficiency of Hierarchical Server Load Distribution Strategies
- Analysis of the Influences on Server Power Consumption and Energy Efficiency for CPU-Intensive Workloads
- How to Build a Benchmark
- Server Efficiency Rating Tool (SERT) 1.0.2: An Overview
- Further Implementation Aspects of the SERT Tool (Server Efficiency Rating Tool)
- The Implementation of the SERT (Server Efficiency Rating Tool)
- The Design and Development of the Server Efficiency Rating Tool

Examples

- GPGPU
- Web Server EE testing

HW / SW Overview

Chauffeur Operation