

Overview

VC Execution Manager (“ExecMan”) drives and automates coverage-driven SoC functional verification flows, and is a key element of the Synopsys SoC Verification Automation solution. ExecMan is a versatile, modular system for managing compilation, regression, and tracking of the design verification process. It is pre-configured to work with VCS flows, and is natively integrated with Verdi’s Planning and Coverage features.

Introduction

VC Execution Manager dispatches regression jobs, tracks and collects regression results, annotates these results back to the verification plan, and provides full reporting capabilities. Key values:

- Supports all functional verification engines
- Optimizes regressions for TAT and costs
- Collects and tracks regression data with a full relational database
- Automatically re-runs select simulation failures
- Provides fault tolerance for large regression runs, including for disk access interruptions and failed hosts
- Flexibly supports local execution, as well as widely-used grid managers



