

## 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



