

A Novel Approach to Expedite Verification Cycle using an Adaptive and Performance Optimized Simulator **Independent Verification Platform Development**

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Introduction and Objective



- Integration of pre verified IPs/Sub Systems into a common SoC DV •Less TAT for rebuilding complex
- verification environments onto SoC
- Reduction of both development cycle time and license cost
- Faster run times after evaluating simulation performance and options like Save and Restart, Capture and Replay



Figure 1. SIVPD Verification Environment depicting the vendor agnostic components



Implementation



This also bolsters the reusability aspect of an IP or sub-system verification environment at SoC level and vice-versa.



