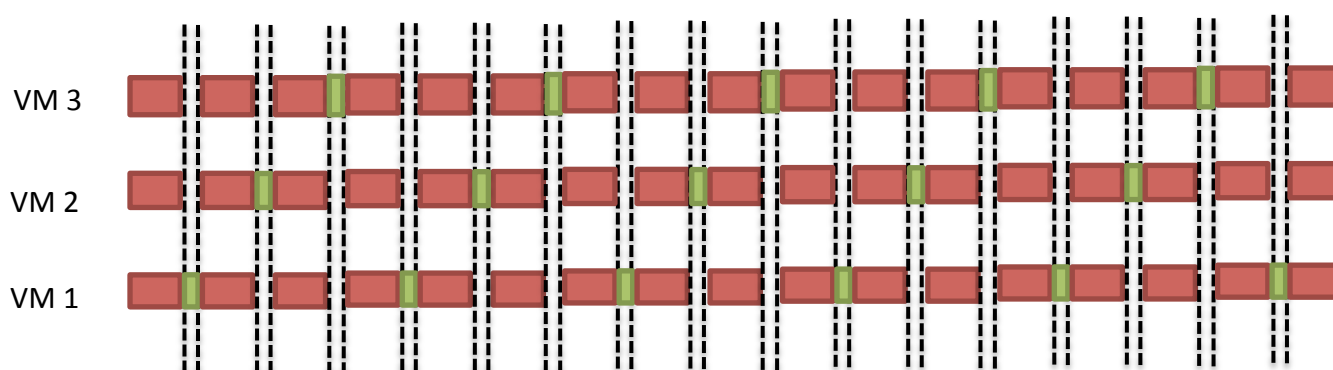


Precise Shuttering

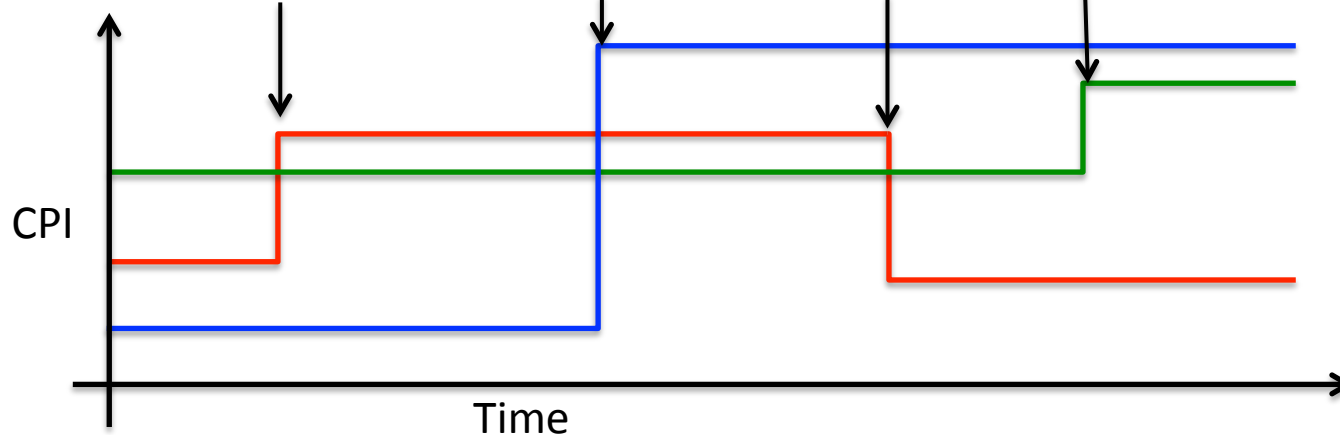


Phase change
In VM1

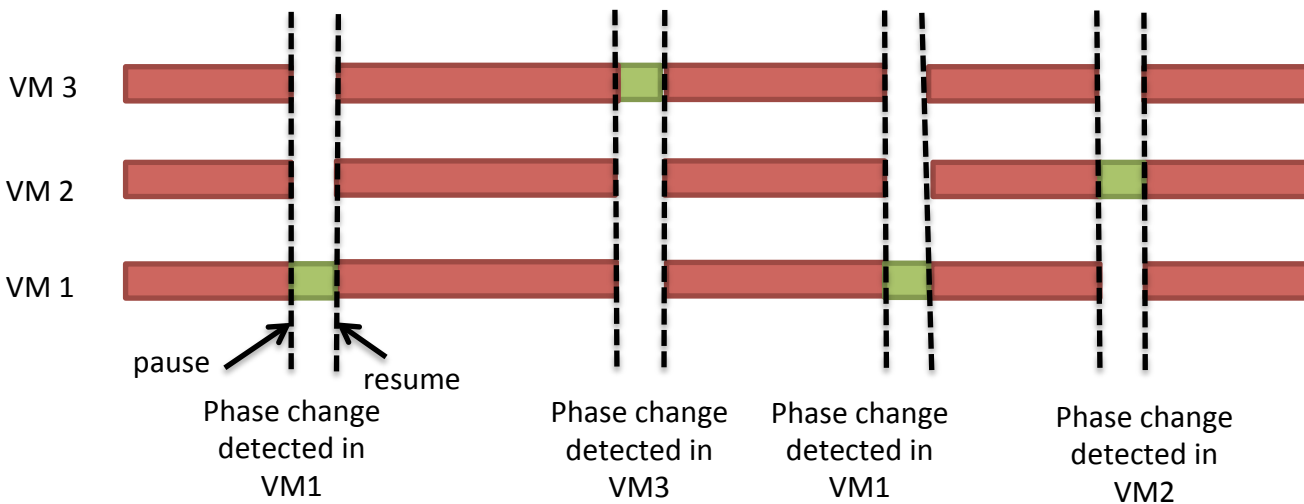
Phase change
In VM3

Phase change
In VM1

Phase change
In VM2



Snapshot Shuttering



pause

resume

Phase change
detected in
VM1

Phase change
detected in
VM3

Phase change
detected in
VM1

Phase change
detected in
VM2

KEY

Application 1 CPI

Application 2 CPI

Application 3 CPI

Co-located Execution
+ CPI measurement

Solo Execution
+ CPI measurement

Snapshot