









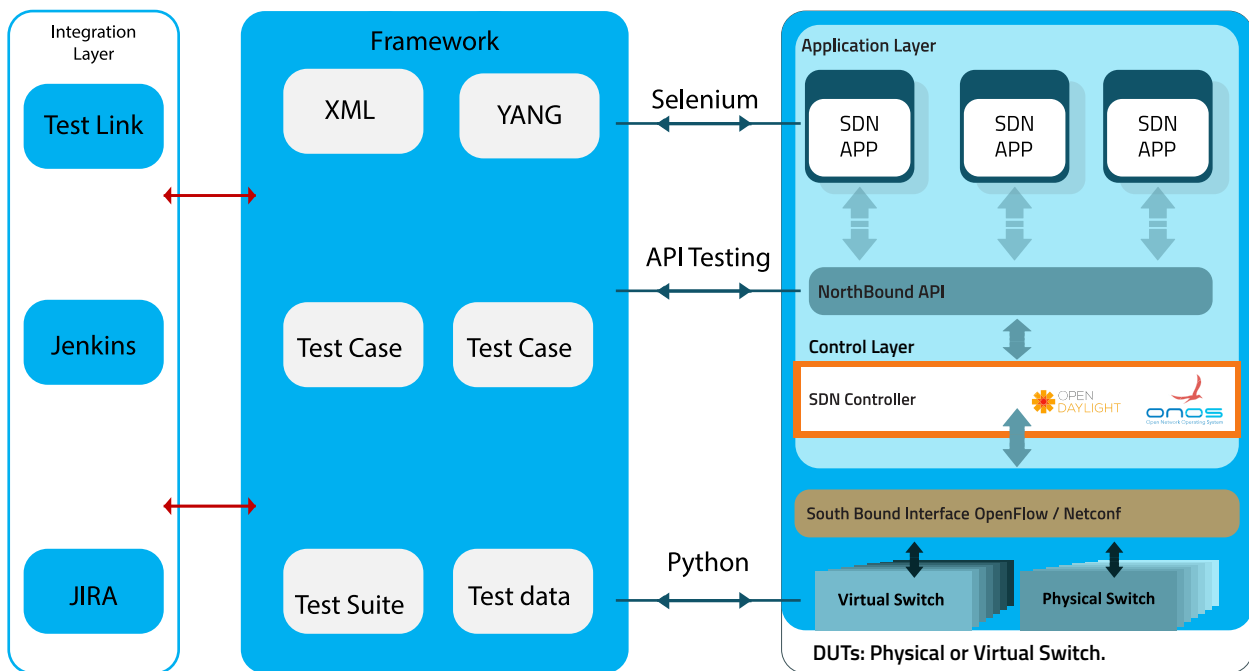


Re-engineering of SDN Test Framework for a market leading OEM

 BUSINESS REQUIREMENTS	 Client is on transition to Software defined centric model and has need to implement SDN test integration in the framework	 No clear demarcation of test data and test logic in the integration framework making it rigid to develop test cases	 Lack of interfaces and abstractions between functional blocks in client's existing framework
 OUR SOLUTIONS	 Reengineered client's Test framework laying clear differentiation and layering of functionalities.	 <ul style="list-style-type: none"> Our SDN experts harnessed the potential of opensource tools and test cases, to create test scripts for ODL and other SDN controllers Developed utilities for topology creation, traffic generation, flow tables etc. 	 Developed accelerators like: <ul style="list-style-type: none"> Mind map to test cases using HM MBT Framework Auto generation of Selenium Scripts for Web Application Testing using HM Unified Test Automation Framework Script less Automation of API Testing using HM API Test Framework
 TOOLS/ TECHNOLOGIES	 <ul style="list-style-type: none"> ODL SDN Controller OFTEST OVS & Whitebox Switches 	 <ul style="list-style-type: none"> YANG JSON, XML Java / Selenium Python 	 Happiest Minds Test Frameworks: <ul style="list-style-type: none"> MBT framework Unified Test Automation Framework API Test Framework
 BUSINESS IMPACT	 Segregation of framework development and test case generation freed bandwidth of Test Engineers accelerating faster delivery	 Framework enhancement and extension made easier through clear abstraction and model based approach.	 Continuous Test execution through integration of framework with utilities like Jenkins, Jira resulting in Agile testing

Solution Overview



About Happiest Minds Technologies:

Happiest Minds, the Mindful IT Company, applies agile methodologies to enable digital transformation for enterprises and technology providers by delivering seamless customer experience, business efficiency and actionable insights. We leverage a spectrum of disruptive technologies such as: Big Data Analytics, AI & Cognitive Computing, Internet of Things, Cloud, Security, SDN-NFV, RPA, Blockchain, etc. Positioned as "Born Digital . Born Agile", our capabilities spans across product engineering, digital business solutions, infrastructure management and security services. We deliver these services across industry sectors such as retail, consumer packaged goods, edutech, e-commerce, banking, insurance, hi-tech, engineering R&D, manufacturing, automotive and travel/transportation/hospitality. Headquartered in Bangalore, India; Happiest Minds has operations in USA, UK, The Netherlands, Australia and Middle East.