



VOIP Device Automation Testing Framework for Cloud UC Provider



BUSINESS REQUIREMENTS



To build an automation framework for testing VOIP devices against the Cloud based Unified Communication solutions



The framework should be designed for Polycom phones but should also be extensible to incorporate other devices



Automate the test cases for testing both web and devices to achieve faster release cycle



OUR SOLUTIONS



Enable automated pushing of Action/soft keys to respective Polycoms during various stages of call to perform certain actions



Ability to verify the call status from the app after each "action type" push to the devices and provide an interface to check the call information



Provide interface for Selenium test scripts for integrations



TOOLS/ TECHNOLOGIES



Microsoft .net framework , C#, RESTAPIs



Polycom SDK, Polycom IP Phones



Asterisk



BUSINESS IMPACT



The automation of call flow process using Polycom SDK / API resulted in rapid automation and cut down of the testing cycle thus resulting in faster release



The framework developed is abstracted to incorporate other device makes thus making it extensible as the product needs.



Bandwidth of the testing team freed up to take up more new feature / exploratory testing



About Us

Happiest Minds enables Digital Transformation for enterprises and technology providers by delivering seamless customer experience, business efficiency and actionable insights through an integrated set of disruptive technologies: big data analytics, internet of things, mobility, cloud, security, unified communications, etc. Happiest Minds offers domain centric solutions applying skills, IPs and functional expertise in IT Services, Product Engineering, Infrastructure Management and Security. These services have applicability across industry sectors such as retail, consumer packaged goods, e-commerce, banking, insurance, hi-tech, engineering R&D, manufacturing, automotive and travel/transportation/hospitality. Headquartered in Bangalore, India, Happiest Minds has operations in the US, UK, Singapore, Australia and has secured \$ 52.5 million Series-A funding. Its investors are JPMorgan Private Equity Group, Intel Capital and Ashok Soota.