

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 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.

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