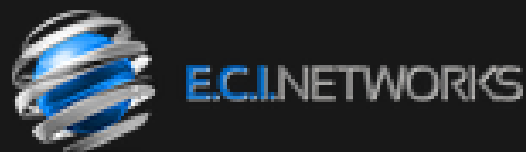


Customer case Study

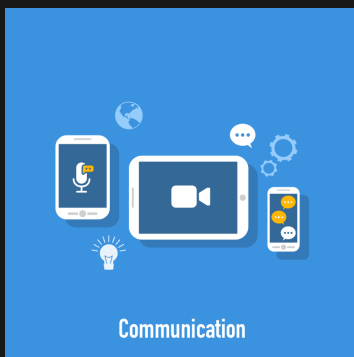
Finance & Communication



Managed Services



IPTV VOD Content Validation & Automation



Requirement

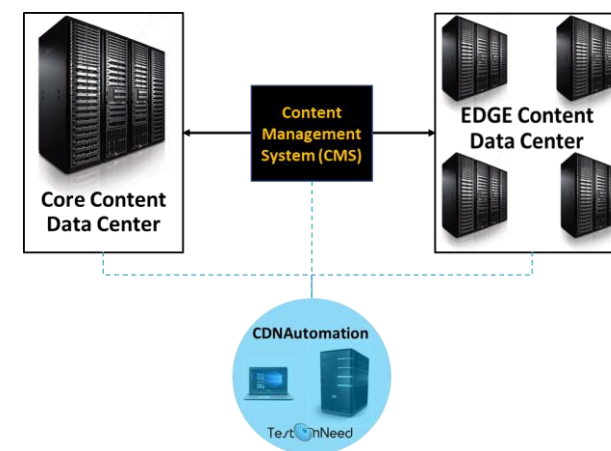
- IPTV VOD service provider experienced out of sync video content between the core data center and edge content data center
- As a result, service failed because of errors injected by CDN such as invalid format, file missing, incorrect location, etc. and required an automation solution to be developed

Solution

- Delivered easy to use automation solution to verify and validate content between the core and multiple edge data centers
- Implemented flexible solution that can be configured and executed on-demand or periodically to validate the accuracy

Customer Benefit

The customer can ensure consistency of video content between data centers and as a result, improved IPTV VOD service performance



Managed Services

European Telecom Vendor

Network Management solution



Requirement

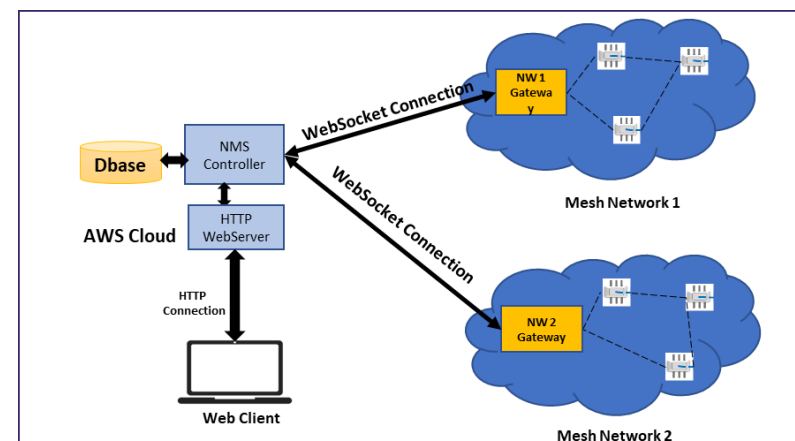
- Develop a solution to control, monitor and managing Wi-Fi based Mesh Networking system.

Solution

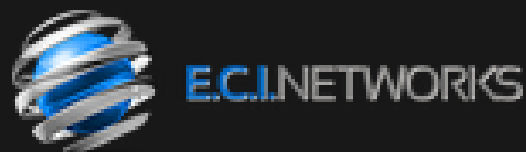
- Delivered custom built NMS gateway, NMS controller backend application, data storage, and cloud web application for configuration, monitoring, upgrade/update firmware and security certificate
- Implemented Secure design for data and storage security (encryption), user authentication, and connectivity (TLS with WebSocket)

Customer Benefit

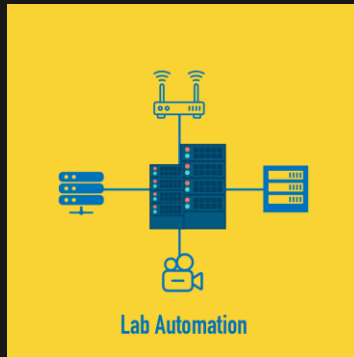
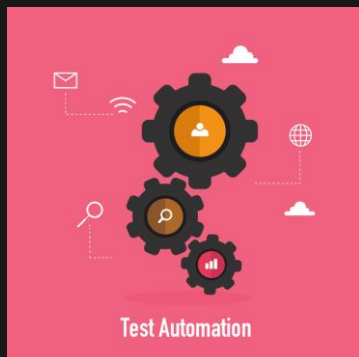
Real-time monitoring and management using the E2E NMS solution for Wi-Fi based Mesh Networking system .



Test and Lab Automation



Wi-Fi AP



Requirement

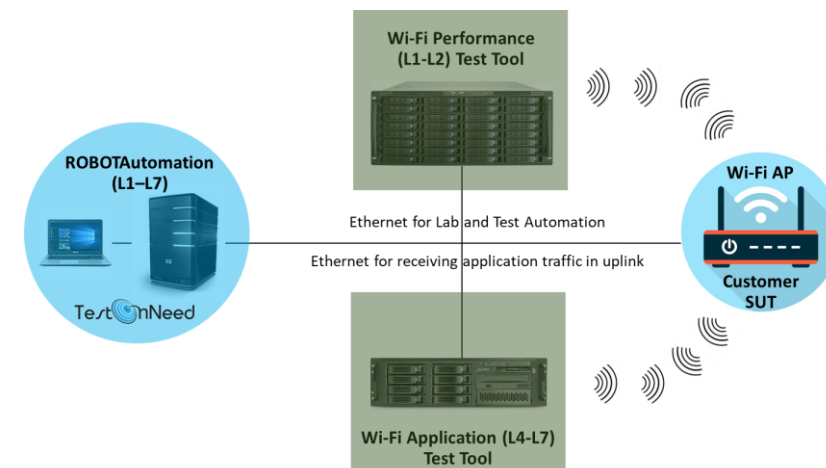
- A tier one operator in North America wants to test and deliver new Wi-Fi Access point (STB) product fast as well as subsequent upgrades
- Test cycle takes 5 - 12 weeks with 1000^{nds} of manual test cases with two different test tools (Wi-Fi network and Application testing) and require a cost effective solution

Solution

- Delivered easy to use Turnkey ROBOTAutomation solution to automate both test cases and the lab equipment
- Implemented test design, test execution, test automation as well as test analytics

Result

Customer successfully reduced complexity, improved efficiency from 12 weeks to maximum 2 weeks. As a result reduced cost, and higher ROI





Managed Services

Indian System Integrator

FPGA solution testing, benchmarking and optimization



Requirement

- Test, benchmark, and optimize performance parameters of various packet architecture designs by synthesizing and implementing it on various Xilinx FPGA devices.

Solution

- Delivered results performing different synthesis and implementation strategy, better pipeline mechanism to optimize the performance
- Implemented critical path analysis for design on various xilinxFPGA's (i.e) XCVU7p-flva2104-1, XCVU7p-flva2104-2, XCVU13p-fhgc2104-2-I, XCVU31p-fsvh1924 and other lower end devices.

Customer Benefit

Customer are able to achieve better optimization of placement & route, synthesis strategies and selection of device with speed grade

SN	Device	Design	Max Freq obtained
1	XCVU13p-fhgc2104-2-I	Design_1	Fmax = 156 MHz
2	XCVU13p-fhgc2104-2-I	Design_2	Fmax = 156.92 MHz
3	XCVU31p-fsvh1924	Design_3	Fmax = 183.32 MHz
4	XCVU31p-fsvh1924	Design_4	Fmax = 180 MHz



Test Automation

Leading Canadian Bank

ETL / Data quality & monitoring



Requirement

- Customer experienced several issues that were ultimately found to have been caused by data quality. To reduce its vulnerability to this form of operational risk, the Bank turned to W5RTC for their data quality and monitoring solution.

Solution

- Delivered Data Testing framework provided a unified strategy and visibility for the developers, testers, SMEs, business users, and management.
- Implemented automated data comparison, and enabled continuous, consistent and automated testing of all the data passing through the ETL processes.

Result

- Up to 20% fewer resources were required for testing over a period of nine months.
- Improved efficiency to get automated and quick feedback to SMEs, and the capability to drill down on the problem dataset led to higher efficiency.



Test Automation

Canadian Telecom Operator

Mobile Application Testing



Requirement

- Our client looked for a reliable QA and testing service provider well equipped to assist in its foray into the mobile application management enterprise market dominated by the new technology and growing end-user expectations.
- Size, budget, time limit, newer technology, and reliability of offshore testing partner put some serious challenges for our client before we took upon their project.

Solution

- Delivered Robust system and integration tests across different devices and simulators.
- Developed, generated and recorded the crash logs so that we could get closer to the bugs in short span of time.

Customer Benefit

- Savings of costs by 60% due to extensive use of automation tools.
- Our proficiency in performance engineering helped the client to get the best possible results for scalability, reliability, and sustainability
- Testing on extra devices helped in ensuring more stable function of the product and catering to the extensive needs of mobile users.



Partner for your success

We *solve* your customer challenges

We *start* your project when you need it

We *support* you to win your customer trust and orders

We *offer* SLA and profitability driven partnership model

We *provide* flexible onshore, offshore and nearshore engagements

We *deliver* products fast with high quality

We *automate* all to be fast to beat the slow

Being *efficient* and fast is all about *transformation*
and success is all about welcoming it.

To *transform* and to provide the *best product fast*, start today your journey with us.



customersuccess@w5rtc.com



<https://w5rtc.com/>