






Quality of Devices (QoD) studio

End-to-end IoT validation

The exponential proliferation of IoT devices has resulted in new challenges like API testing, scalability and security aspect validation and handling of real-time data. Wipro's Quality of Devices (QoD) studio solution enables seamless end-to-end automation and helps in carrying out validation of connectivity, functional, non-functional, performance and security testing aspects. QoD Studio encompasses the overall quality of an IoT system – covering components from devices to the Cloud, and processes such as onboarding to business usage. It is also easily customizable based on customer specific requirements and needs.

Key takeaways

-  Provides end-to-end automation with integration of variety of toolsets
-  Single and common framework for testing multiple IoT environments and related ecosystems
-  Ready-to-deploy skilled resources availability

QoD studio – One-stop solution for end-to-end validation and test automation of an IoT ecosystem

Key benefits

QoD studio is built using latest technologies that Support multi-Cloud and on-premise environments. It provides a single dashboard view for entire test runs. Key benefits include:

i. Automation

- a. Enables end-to-end test automation using Wipro's ASSURE toolset—edge to application layer
- b. Covers validation of functional, non-functional, performance and security aspects

ii. Cognitive approach

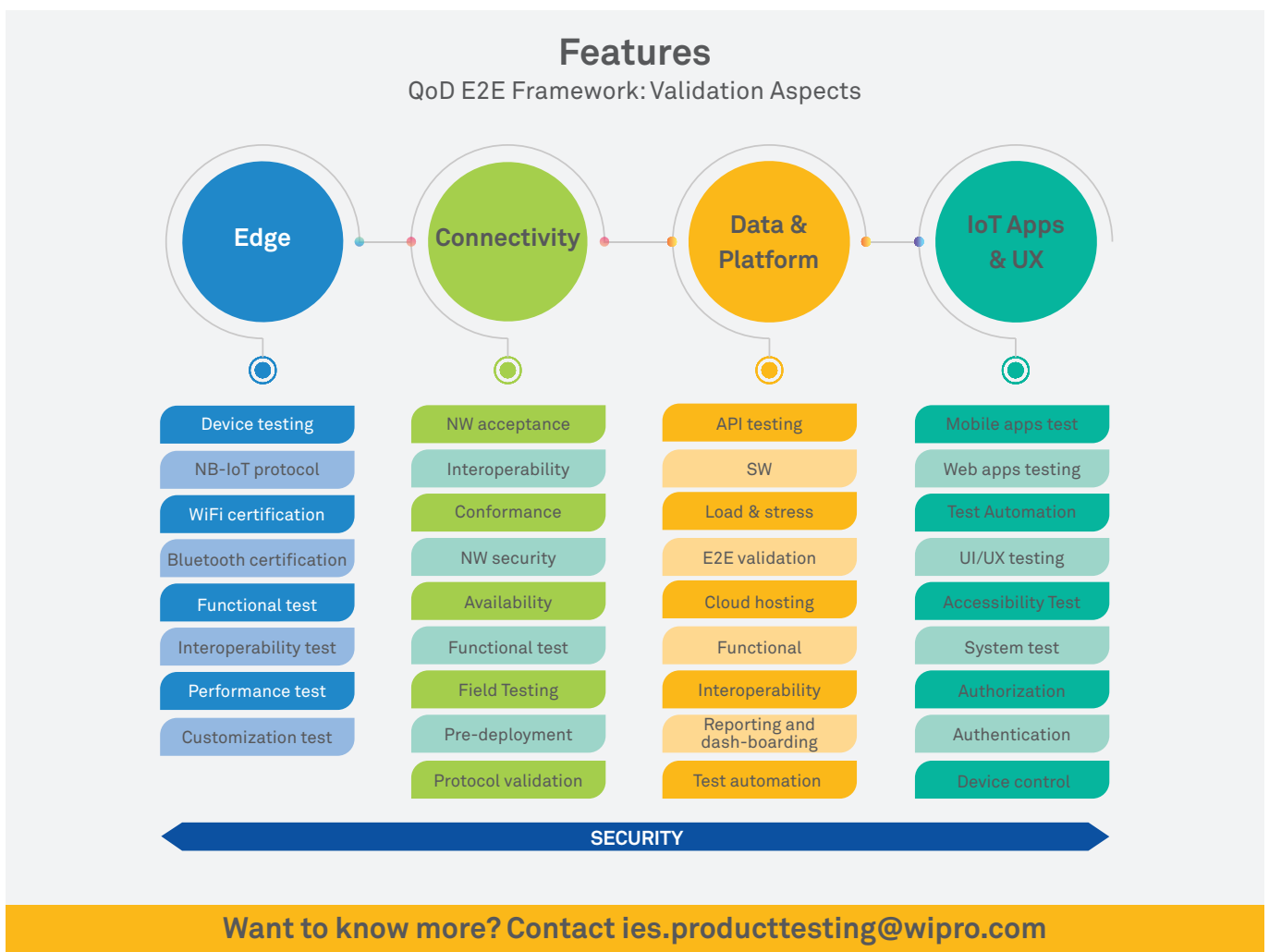
- a. Provides analysis and insights using Wipro's HOLMES platform (AI powered)
- b. Automated failure bot for auto-failure triaging of logs

iii. Skilled resources

- a. Trained on advanced IoT testing capabilities
- b. Capable of leveraging crowd sourcing tools

iv. Topcoder: Crowdsourcing platform

- a. Test smart, connected applications, in real-world conditions, at speed
- b. Test 'geo-specific', real-world scenarios with multiple devices and components



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