ABot
Analytics
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ABot Analytics, uses statistical analysis and deep learning models to provide insight of the test execution data. It correlates data from NFVI, Infrastructure and VNFs for deeper analysis. Data correlation is done on several dimensions - call flows executed, mobility nodes involved, system KPI of the associated infrastructure, log messages from the various nodes. ABot Analytics compares the similar test execution data with prior test data for inference.

ABot Analytics presents an interactive dashboard view of the test cases analyzed. Mobility related insight like procedure, scenario, protocol interface, messages exchanged, etc. are presented along with their maturity quality analysis. Configuration and system KPI data of the test cases are also ingested and presented in graphical manner to provide insight on the system utilization. ABot Analytics analyzes and classifies failed test cases by: error in test case authoring, configuration error and application failure. Ladder diagram representation of the test cases are generated for ease of understanding. Finally, test maturity statistics like build by build maturity, coverage maturity, defect analysis, etc. are also provided. The objective of ABot Analytics is to provide a deeper insight of the test cases executed from different dimensions.

Key Features

✓ Identifies procedure, scenario, protocol interface, messages from analyzing the test execution data

✓ Provides maturity index of mobility components based on pass/fail analysis of the test data

✓ A view of the system configuration for the test case, classified by the NFV platform layers and/or the hardware resources utilized

✓ System KPI data is presented in a graphical manner classified by nodes involved and categorized by test cases

✓ Ladder diagram of the call flow with messages exchanged between the involved nodes is presented

✓ Test case failure analysis is provided

✓ A separate dashboard panel for Test maturity statistics