

## Dynamic Function Call Graph Visualization

### Disclosure Number

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### Technology Summary

Traditional visualizations for function call graphs are generally very complex and difficult for a user to explore and analyze. This is because functions of a program often call many other functions, which results in a crowded set of function call edges in the function call graph. Unlike traditional function call graph visualizations, this interactive, dynamic visualization allows users to explore the graph to view only the functions that can reach or are reachable by some selected function they are interested in. The functions are color coded by their ancestral relation and their function call distance to the selected function of interest. This allows the user to be able to analyze the relations of other functions of the program to that at a glance.

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