

Framework Applications

The semantic framework can be applied to many areas of networked data analysis. As for now, the framework is restricted to offline (non real-time) scenarios along with a few other #limitations limitations]. We discuss the following examples, some of which (marked with '*') are also discussed in our [NSDI'11 paper](#).

[Modeling hypotheses*](#)

This example discusses a scenario where DoS detection heuristics from a publication are formulated as a model and are validated over packet traces.

[Modeling experiment behavior*](#)

This example discusses a scenario where an entire experiment behavior - in the case the DNS Kaminsky cache poisoning experiment - is formulated as a model and applied over packet traces collected from a complete experiment run.

[Modeling a security threat*](#) *(page under construction)*

This is an example of modeling a simple worm spread over IDS logs.

[Modeling dynamic change*](#) *(page under construction)*

This example models changes in traffic rate due to attack.