

Computing Trust from a Committee of Sensors

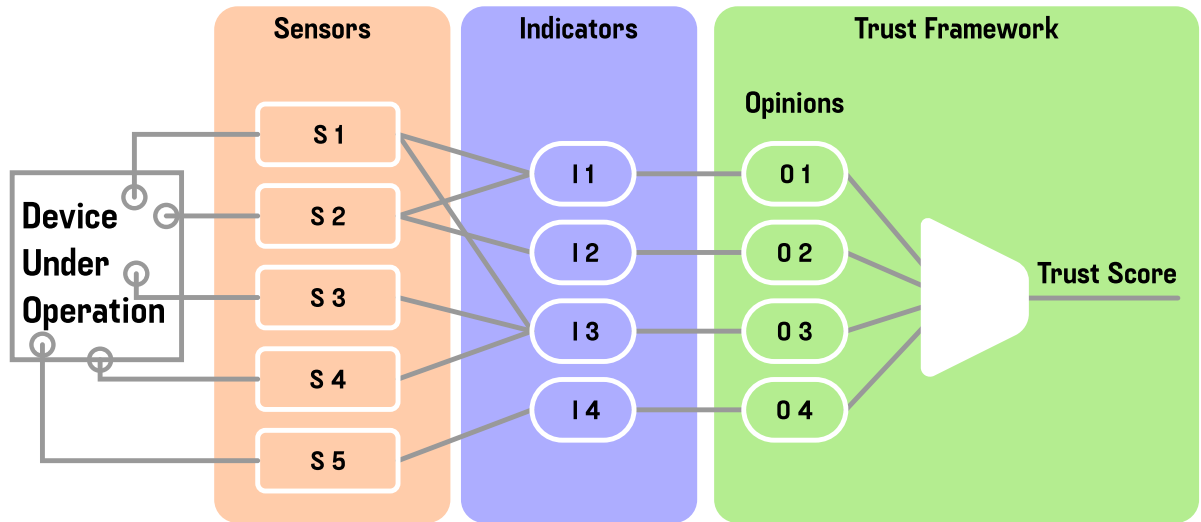


Figure 1: Overview of the data pipeline from the device under operation to the trust framework

Expanding on the previous work, the idea is to leverage the information coming from more than one sensor. The sensors can be of different types (side-channel, host-based, network-based, user-feedback, log-based, etc.), but they should all report a binary or ternary values.

Sensors

Sensor	Indicators	Output
MAD + Policy	High Consumption,Boots, Reboots, etc.	Ternary
BPV	Boots, Abnormal Boot	Binary
File Scanner (ClamAV)	Malware	Binary/Ternary
Log Scanner	Abnormal Activity, Malware, Abnormal Boots	Binary