NOMADS

Motivation

- Cyber-crimes cost the global economy 1 Trillion dollars per year.
- Large organizations have millions of computers that must be secured.
- Manually searching each computer would take years.
- Human security talents are wasted on data collection.
- NOMADS thwarts attacks and increases the efficiency of security teams.

“The Navy needs process automation and visualization to audit system state, network scanning to enumerate network design, ports, protocols. Nothing does all of the above or provides it in the format we need”
- Michael Cloud, TTSD DISSM NAWCWD

Design

Your Network

NOMADS Back-End

NOMADS Front-End

Solution

Fetch

- NOMADS builds a tree of hosts on the network using methods with varying levels of intrusiveness based on user preference
- It then audits those hosts to determine the hardware and software installed

Process

- Retrieved data is flagged appropriately based on a provided list of approved programs.
- Data is then stored into json data dumps and parsed into human readable spreadsheets

Present

- NOMADS UI displays processed information into a variety of different formats.
  - Topological Network Diagram
  - Hardware/Software Lists
  - Spreadsheets

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