# **SPECTRE**

- Result: Programscan read allmemory
- Affects: All modern CPU/OS
  - Vector: Uses
    speculative
    execution to read
    forbidden memory
    and cache timing
    to exfiltrate data

- How bad: Very bad
- Fixes: Needs
   changes in CPU
   and/or changes in
   programs.
   Performance
   impact varies and
   depends on CPU
   and workload type.



# THREAT-O-METER

Threat - O - Meter

## **LOW RISK**

Exploit unlikely or running untrusted code already worst case

#### **MEDIUM RISK**

Exploit possible but needs another successful attack to run attackers code

### **HIGH RISK**

Exploit possible and runs untrusted code "by design"