



MELTDOWN AND SPECTRE

MANAGEMENT SUMMARY

MELTDOWN



- Result: Programs can read memory it should not
- Affects: All modern CPU/OS
- Vector: Uses out of order execution to read forbidden memory and cache timing as side channel to exfiltrate data

- ▶ **How bad**: Bad
- Fixes: Needs changes in CPU and/ or OS patches. Modest (X%) to severe (XX%) performance impact, higher on older CPU. Performance impact varies and depends on CPU and workload type.