

HIGH RISK

MEDIUM RISK

LOW RISK



MELTDOWN & SPECTRE FOR NARRATIVE PEOPLE

THREAT-ON-MER



PUBLIC CLOUD



**LAPTOP WITH
BROWSER**

Exploit unlikely or
running
untrusted code already
worst case

Exploit possible but
needs another
successful attack to run
attackers code

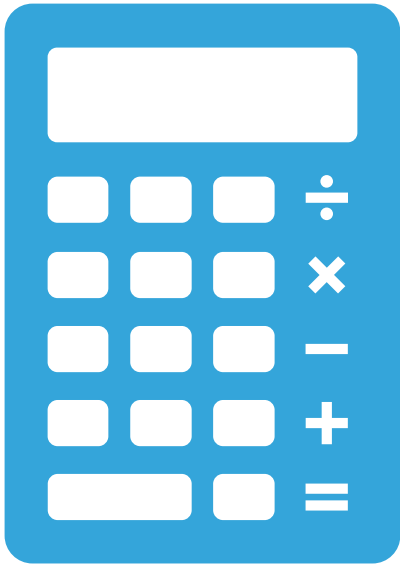
Exploit possible and
runs untrusted code "by
design"



PRIVATE CLOUD



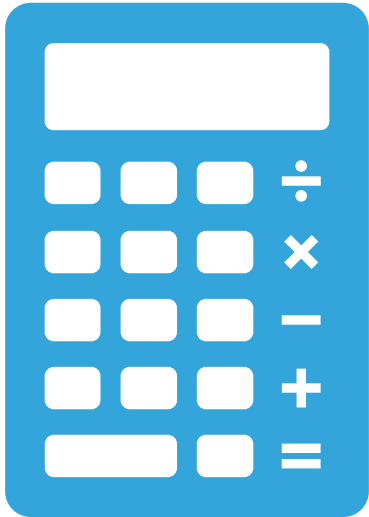
**DATABASE
SERVER**



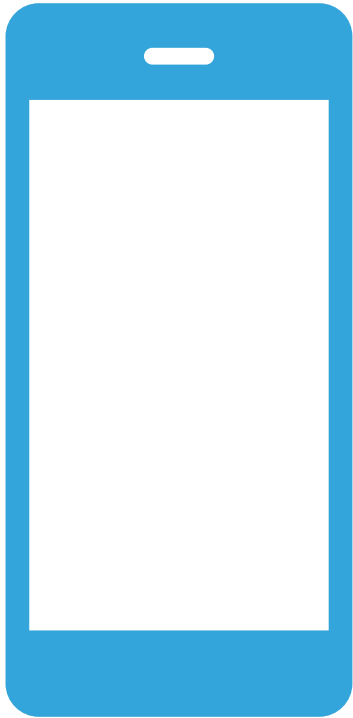
MAILSERVER



FIREWALL



**APPLICATION
SERVER**



MOBILE PHONE



Meltdown and Spectre exploit side effects of modern
CPU architectures.

The *exploitability* very much depends on the field of application of the system.

Expect new "bugs" of this type!



PUBLIC CLOUD



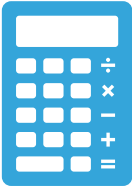
LAPTOP WITH
BROWSER



PRIVATE CLOUD



**DATABASE
SERVER**



MAILSERVER



FIREWALL



APPLICATION
SERVER



MOBILE PHONE

THREAT-0-METER

Meltdown and Spectre exploit side effects of modern CPU architectures.

The *exploitability* very much depends on the field of application of the system.

Expect new “bugs” of this type!

LOW RISK

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HIGH RISK

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design”

Knock knock

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Branch prediction

Who's there?

Q & A



https://github.com/neuhalje/presentation_meltdown_spectre