





**HIGH RISK**

**MEDIUM RISK**

**LOW RISK**



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

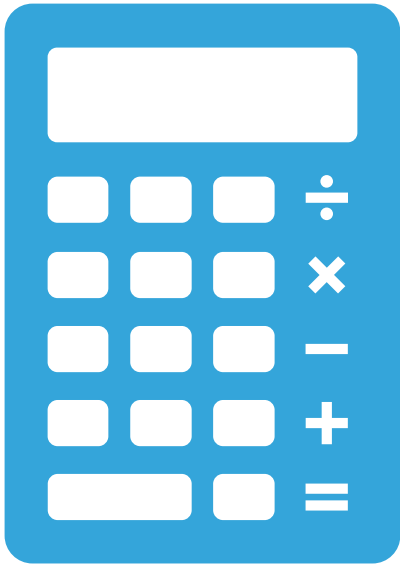
Exploit possible and  
runs untrusted code "by  
design"



**PRIVATE CLOUD**



**DATABASE  
SERVER**

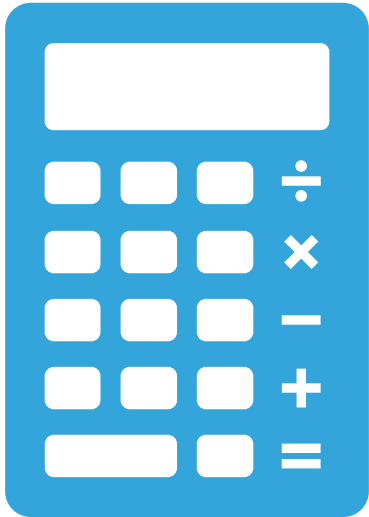


**MAILSERVER**

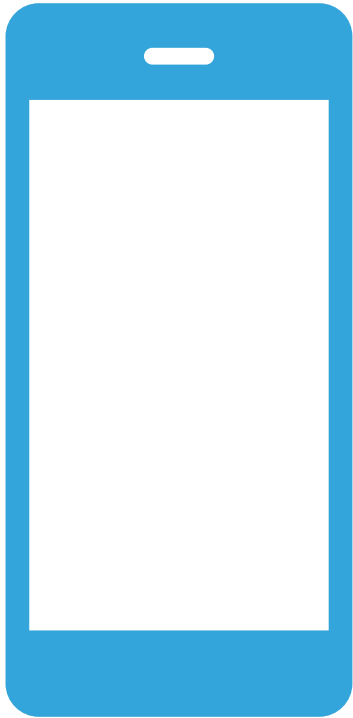


**FIREWALL**





**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

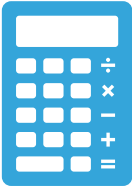




**PRIVATE CLOUD**



**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

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”

# Q & A



[https://github.com/neuhalje/presentation\\_meltdown\\_spectre](https://github.com/neuhalje/presentation_meltdown_spectre)