





**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

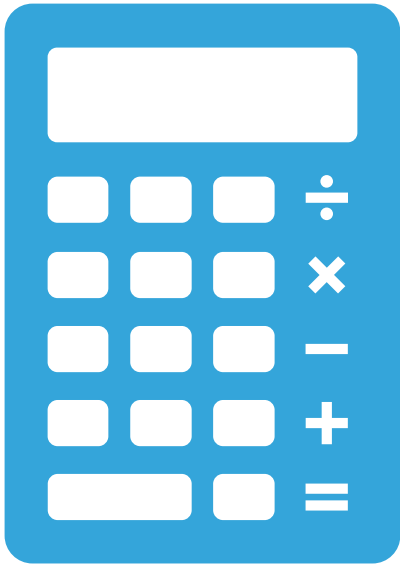
Exploit possible and  
runs untrusted code "by  
design"



**PRIVATE CLOUD**



**DATABASE  
SERVER**

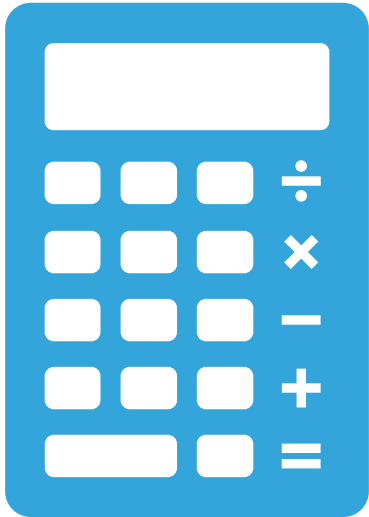


**MAILSERVER**

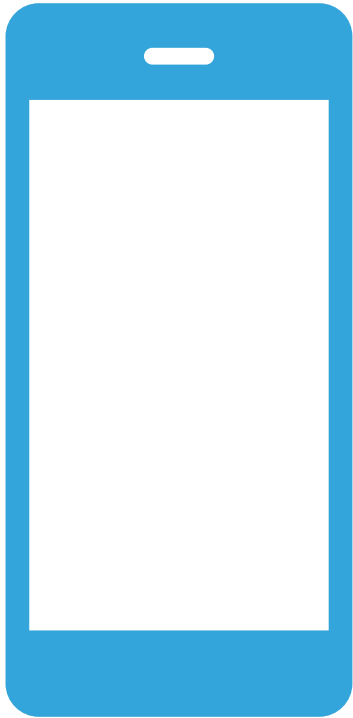


**FIREWALL**





**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!

# Exclusive: Spectre-NG - Multiple new Intel CPU flaws revealed, several serious



TRENDS & NEWS | C'T DECKT AUF

 [Jürgen Schmidt](#)  03.05.2018

 [Intel Core i](#), [Meltdown und Spectre](#), [Prozessoren](#), [Sicherheitslücken](#), [Spectre](#)

**New flaws and even more patches - "Spectre Next Generation" is just around the corner. According to information exclusively available to c't, researchers have already found eight new security holes in Intel processors.**



**PUBLIC CLOUD**





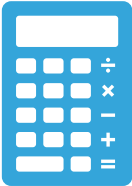
LAPTOP WITH  
BROWSER



**PRIVATE CLOUD**



**DATABASE  
SERVER**



MAILSERVER



**FIREWALL**



APPLICATION  
SERVER



MOBILE PHONE

MELTDOWN

THREAT-

Melt  
CPU

The  
appl

Expe

# Exclusive: Spectre-NG - Multiple new Intel CPU flaws revealed, several serious



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👤 Jürgen Schmidt 📅 03.05.2018

🔖 Intel Core i, Meltdown und Spectre, Prozessoren, Sicherheitslücken, Spectre

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successful attack to run  
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of

UBLIC CLOUD

le and  
code "by



# Knock knock

# Branch prediction

## Who's there?

# Q & A

