

Your Car is Trying to Kill You, and Other Reality Checks

Corey Thuen

IOActive

@CoreyThuen



Reality Check #1

The title of this talk is Hot Garbage



Reality Check #2: CAN is bad

CAN is insecure by design

Trying to secure CAN is a gross misuse of limited resources

What is the actual threat?

Reality Check #3: Devices that DO matter rarely consider security

Example

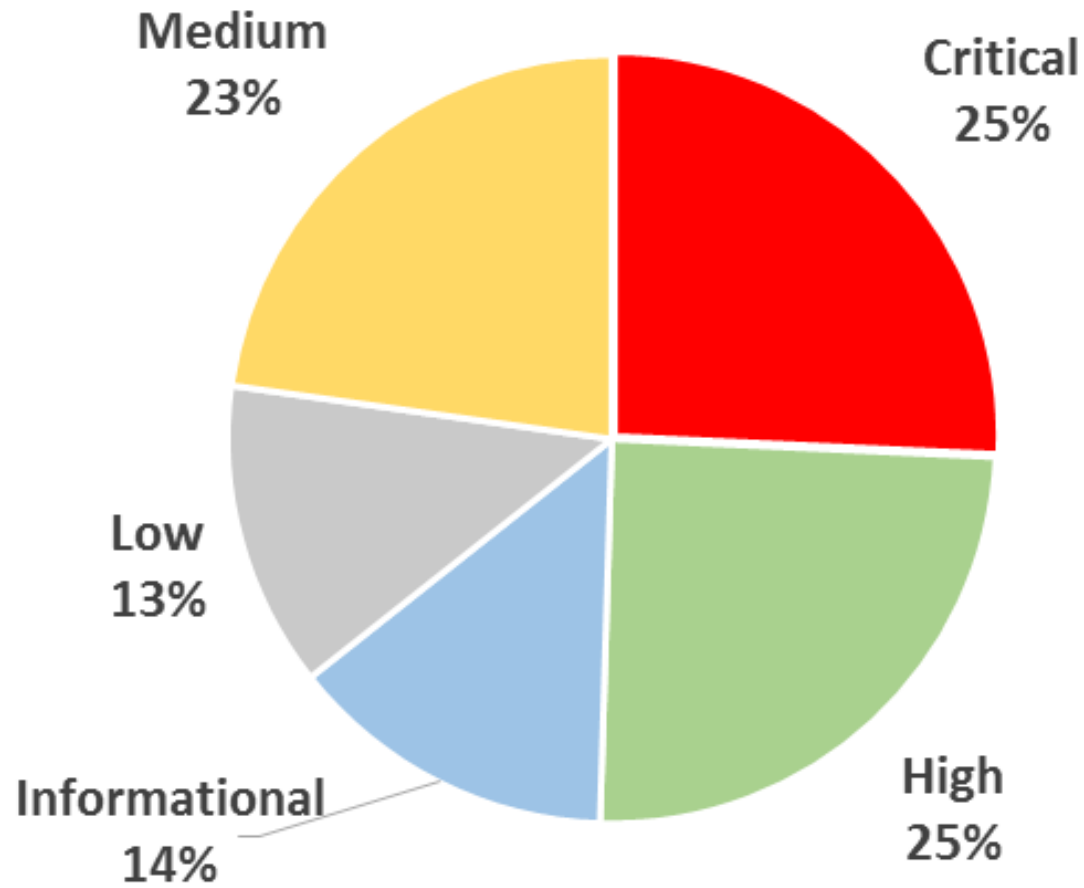
Trends

Reality Check #3: Example

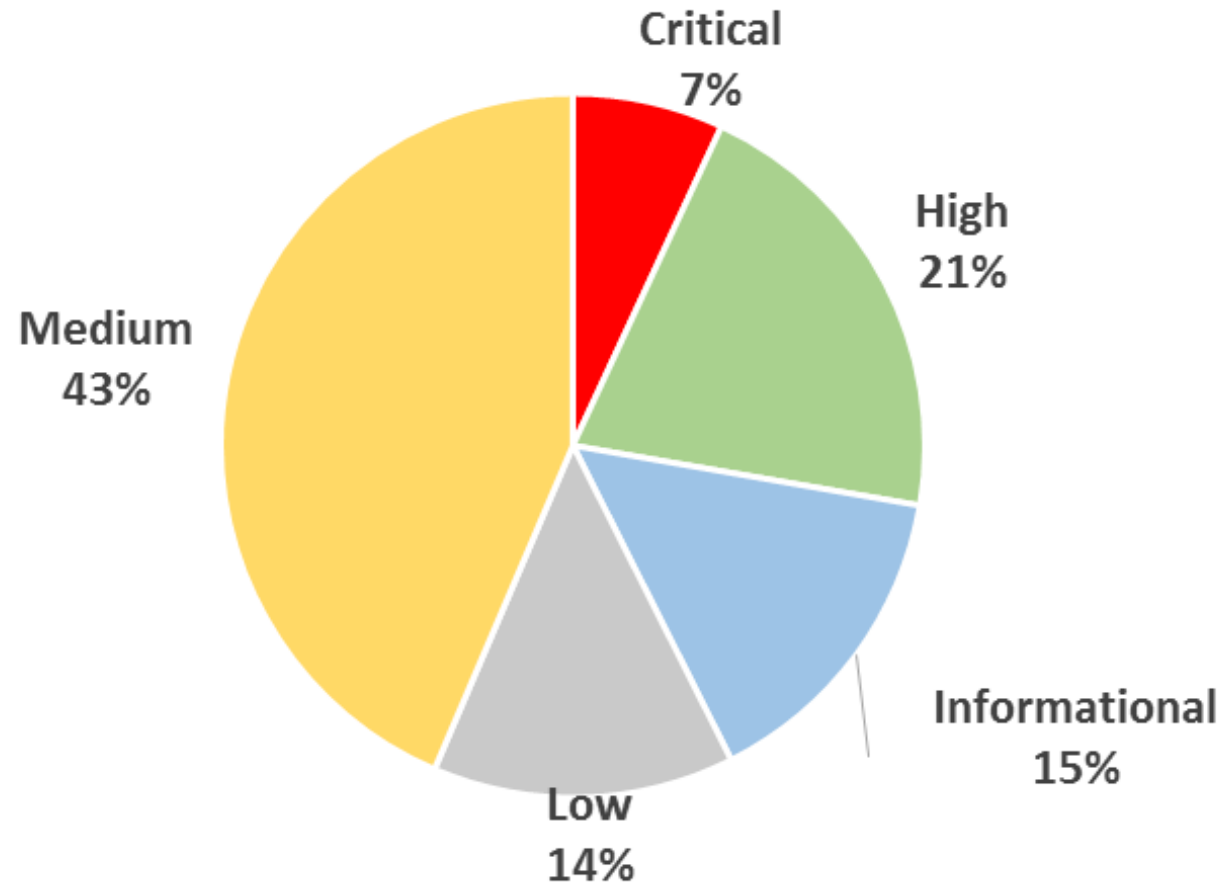


Reality Check #3: Trends

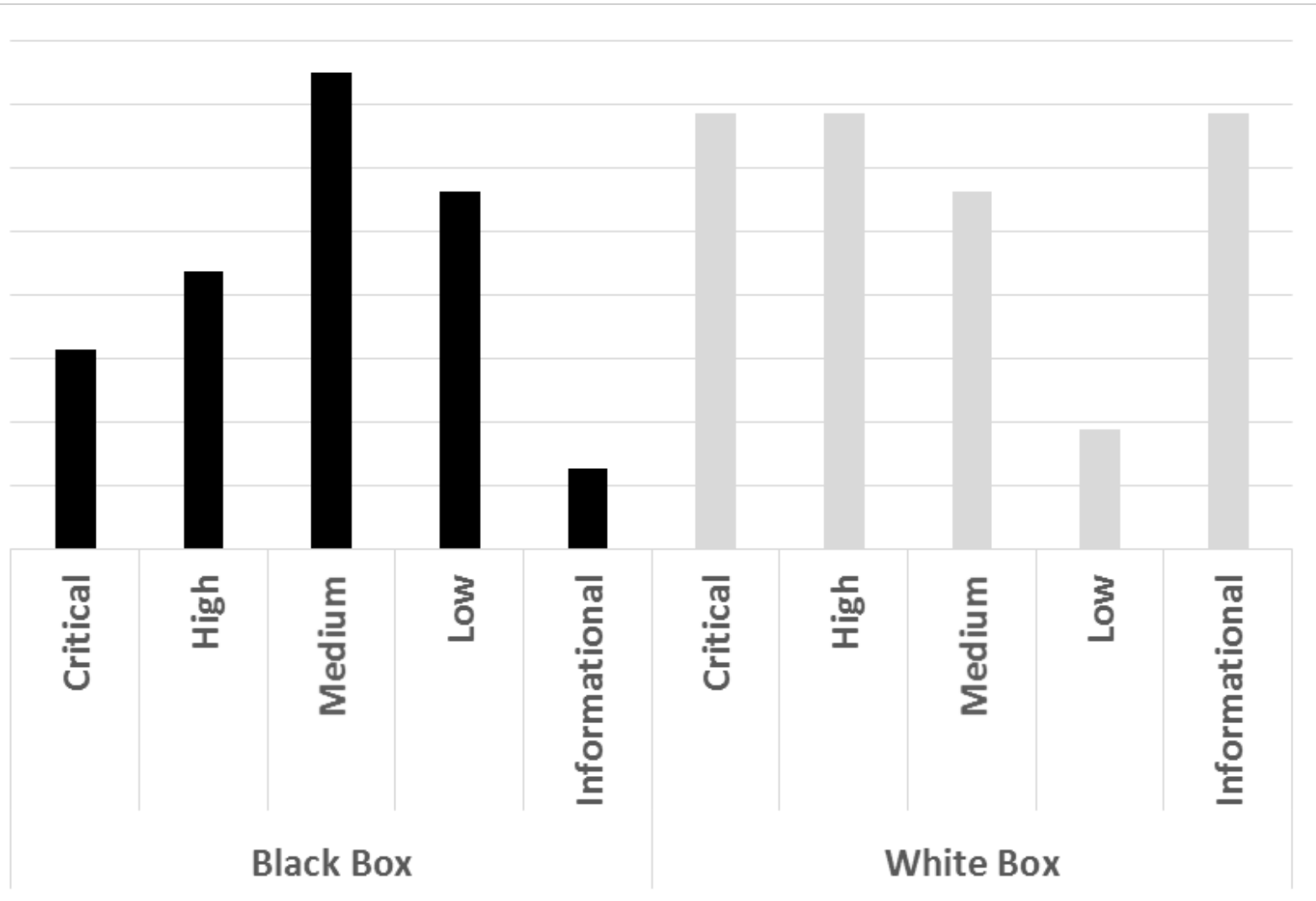
Trends: Impact



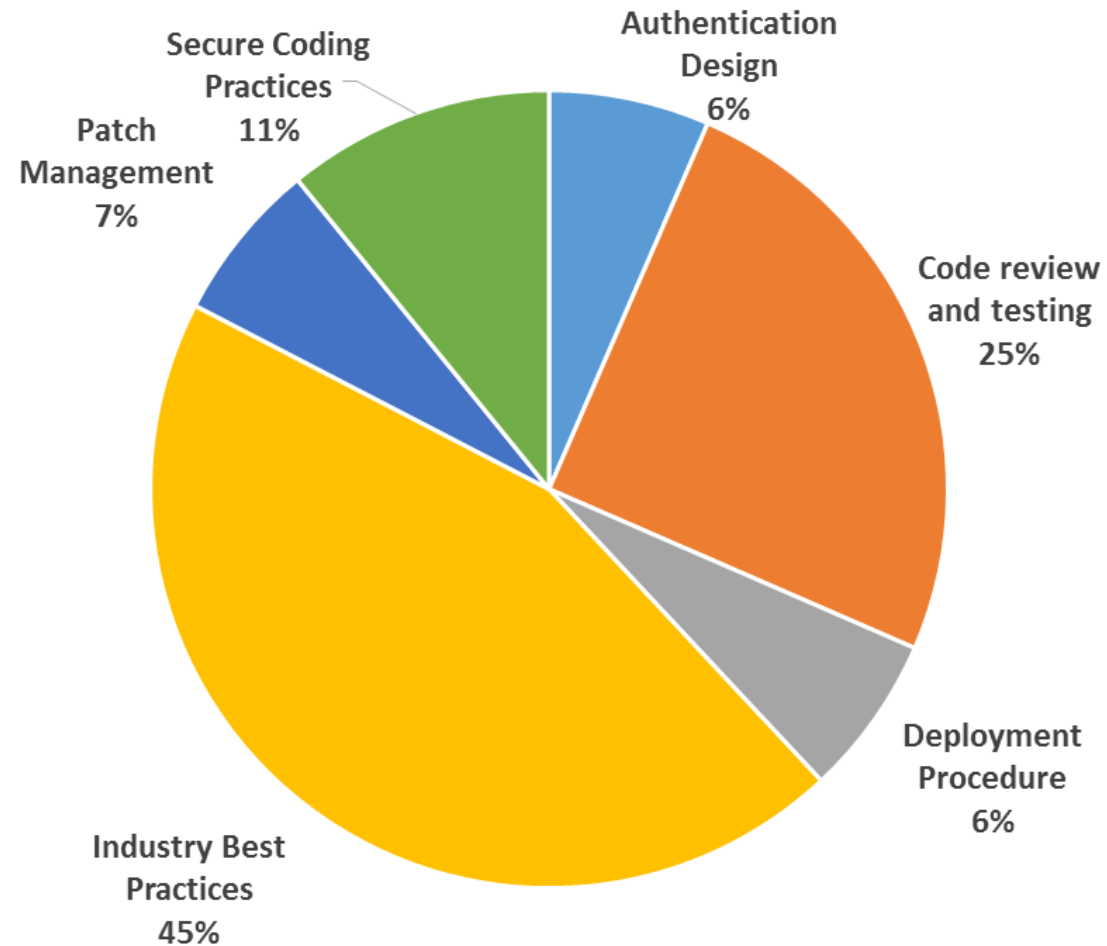
Trends: Likelihood



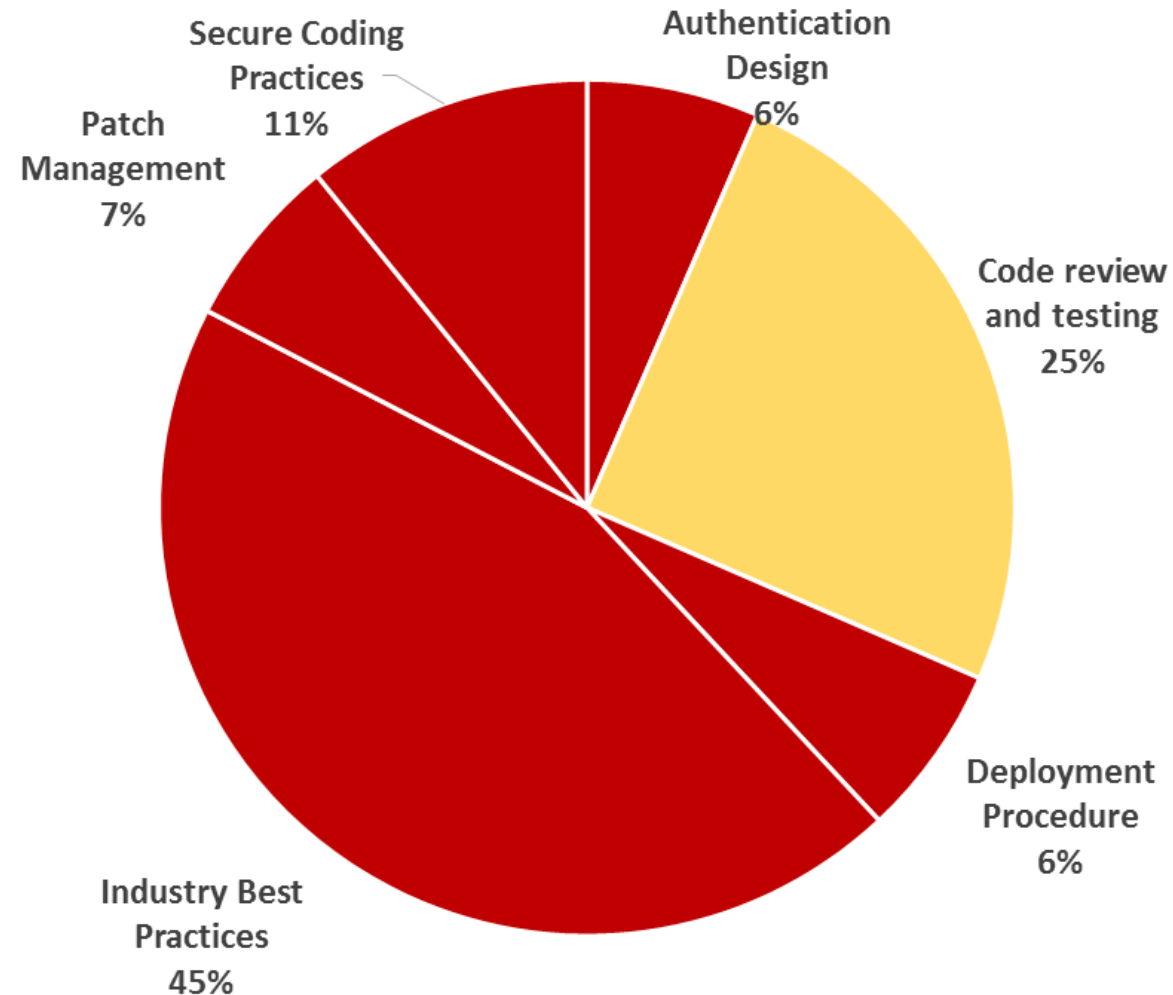
Trends: Testing method



Trends: An ounce of prevention



Trends: An ounce of prevention



Reality Check #4: Auto cybersec is immature

- Defensive
- Lack of policy and procedures
- Lack of visibility

Reality Check #5: OEMs are customers too

Who is responsible for testing?

The supplier or the OEM?

Who is liable?

Reality Check #6: Auto Production Cycle is slow

The production timeline

The great race

Reality Check #7: Privacy is dead

Are we the baddies?

Upcoming research

Reality Check #7: This is me someday



Thanks!

Corey Thuen

@CoreyThuen

corey.thuen@ioactive.com

