

# Standards and Security

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**Core OS**



Computers are everywhere



Laptops



Phones



Cars



**Light bulbs**

**We generate more data than ever before**

We place more trust in the systems around us



Our duty is to ensure that that trust is well-placed

**We're failing**

(badly)



# A story about lightbulbs

# A story about Barbie

**The challenges are not new**

**We are here because we value collaboration**

So why do we keep reinventing security?



**Innovative security usually isn't**

**What should this look like?**

**Define best practices**

**Write a reference implementation**

Provide guarantees to higher layers

# Industry-wide organisation

# Meaningful public review



UEFI





TCG

**Do not differentiate on fundamental security**

**(but what about the children?)**

This is a rapidly developing industry

Product iteration is rapid

**Time on market is short**

Lifetime of devices doesn't match support cycles

**Immutable security is bad security**





What should our legacy be?

**The era of ubiquitous information?**

The era of ubiquitous insecurity?



Let's make some good choices