

Correctness (Safety) vs Security

Safety

Satisfy specifications

“for reasonable inputs,
get reasonable outputs”

Security

Resist attacks

“for **un**reasonable inputs,
get reasonable outputs”

The advertiser is an active entity

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The attacker is an active entity

One say that such program/os is more vulnerable

Some are ...	so ...
more deployed than others	more targeted by hackers
more complex than others	more multiple points of failure
more open to third-party code than others	more “amateur” codes