

# Building Consensus

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# Houston, We Have a Problem

- It has been eighteen months since the DigiNotar incident
- More fraudulent certificates have been discovered in the interim
- And the Online Marketplace is largely unchanged

# Options Breed Indecision

- There are multiple viable solutions, which is actually an impediment to progress
- Different solutions place the costs on different sectors
  - And we all prefer the one where someone else bears the cost
- We probably can't afford to implement all the solutions
  - Even though most appear to be complementary

# Deployment Requires Coordinated Action

- Any significant change will require a combination of the following:
  - Demand from a customer community to create a market
  - Policy and procedural changes at commercial CAs
  - Software updates for browsers or servers
  - Protocol revisions
- No single party is in a position to implement all these changes!

# Who Should Choose?

- Despite the difficulty, it is imperative that we choose. Someone will, the question is who?
- It is easier to say who we *shouldn't* choose...
- But we can probably agree on attributes
  - Private sector led
  - Customer driven
  - Multi stakeholder, with all participants equally represented

# A Novel Proposal

- We need customers that can commit to deployment to lead the process
  - Without them, there is no business model
  - They have less skin in the game, so they can serve as an honest broker
- Multi-stakeholder *participation* and *commitment*
  - Solving the problem needs to be more important than which solution is selected
- We need to leverage existing SDOs and organizations
  - Spinning up new organizations is slow, expensive, and unnecessary

# A Grand Challenge

- Establish an industry organized cross-sector initiative to select a solution, manage process, and lead deployment
- Leverage existing SDOs and consortiums to implement the technical changes
- Facilitate government participation as one of hopefully many user communities