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