• When security matters it requires assurance, assurance requires enforcing properties, enforcing properties requires OS support

• VM provide separation but no control between VM

• TCB subsetting works for strictly defined information flows, but research pretty much stopped

• We need new assurance approaches, cheap
  • Control the flow of data out and INTO an app
  • Expose the data flows within an application so the OS can enforce the flow of data
  • What Meta data about data do we need to collect? You must act on the knowledge in the meta data