Agile Delivery Speed at Amazon

- Amazon adopted agile in 1999 and Scrum in 2004
- Using enterprise-scale continuous delivery by 2010
- 30,000+ developers deploy over 8,600 releases a day

- Software deployment every 11.6 seconds (as of 2011)
  → 24,828 to 86,320 releases per Iteration
  → 161,379 to 561,080 releases per Quarter
  → 645,517 to 2,244,320 releases per Year
- Automatic, split-second roll-forward & backward
- 75-90% reduction in release-caused outages (0.001%)
- Millions of times faster (than traditional methods)
  → 4,357,241 to 15,149,160 per traditional release
- Thousands of times faster (than manual agility)
  → 161,379 to 561,080 per Scrum/SAFe release
- Used agile methods long before U.S. government (1999)