

Agile Delivery Speed at Amazon

- Amazon adopted agile in 1999 and Scrum in 2004
- Using enterprise-scale continuous delivery by 2010
- ☞ □ **30K+ developers deploy over 136,000 releases a day**



**Continuous
Integration,
Delivery, &
Deployment**

**WITH AMAZON
WEB SERVICES**



New York City

AWS Summit 2013
Navigating the Cloud

- **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)**

