

# Simple Steps to Secure Coding

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April 6th, 2011

# Why?

- Security is not a thing, it's a path
- It's like QA
- It's better when you practice every day

# How?

- Isolate
- Examine
- Repeat

# Isolate

- Each system has a discrete function
- Systems: min connections to function
  - MQ for Edge
  - MQ & DB for back-end systems
- Check parameters/Test Access (random)

# Examine

- What sensitive data is being handled?
- What are the attack vectors?
  - Checklist against OWASP Top 10
  - "Not applicable" or "Defended by..."
- Can we store/do less?

# Repeat

- Part of every design document
- Quick review by peers
- Becomes part of culture: Unit Tests/QA

# Conclusion

- Not an architecture, but a "way"
- Simple, but needs to be done every day
- Creates a culture of attention