AgileTests at Scale
from the trenches – Going Fast!

Danilo Garcia
e
Marcelo Walter
Who are we?

DANilo Garcia
Agile Consultant Senior
KCP, KMP, ICP, CSM, CSPO

Marcelo Walter
Agile Chapter Lead
KCP, KMP, PSM, PSD, PSPO, PMI-ACP
CHICAGO -
Objective USA MAIN SITE

MIAMI -
E-Trust BACKOFFICE

MARINGÁ -
Objective OPERATION

SÃO PAULO -
BRAZIL MAIN SITE
SALES & OPS

CURITIBA -
Objective
OPERATION

PORTO ALEGRE -
E-Trust MAIN SITE & OPERATION

AgileTest@Scale
1995

At the beginning...
Manual Tests
Database Copy
Database Schema Evolution
Database Schema Evolution

1986
200 TESTS
40H - 60%
So Slow…
1st Automated Tests
Automated Test Framework
Automated Test Framework
GUI Tests are slow
Fake GUI Tests – 1st Mock
Fake GUI Tests – 1st Mock
Database I/O bottleneck
Why do you use Database?

• Multiuser
• Data Recovery
• Fault Tolerance
Why do you use Database? (in tests)

- Multiuser
- Data Recovery
- Fault Tolerance
Persistence -> Insistence

Data

commit

Persistence layer
Persistence -> Insistence

Data

commit

‘Insistence’ layer
Persistence -> Insistence
2000
Expand and Conquer...
Data loading

creating
data scenarios
Environment Tree

Test Script 1
Test Script 2
Test Script 3

Env 1
Environment Tree

Test Script 4
Test Script 5

Env 1
Env 2
Environment Tree

Test Script 6

Env 1

Env 2

Env 3
Environment Tree

Test Script 7
Test Script 8
Environment Tree

Test Script 9
Test Script 10

Env 1
Env 2
Env 3
Env 4
Env 5
Environment Tree

Test Script 11
Environment Tree

Test Script 12
Test Script 13
Test Script 14
Environment Tree
SQL Dependency
Database Or Memory
Database Or Memory

SQL

2005

5k tests

3h - 60%
Configurations
Client Profile
Client Profile

2007
8K TESTS
4H - 30%
Still very slow...
Distribution
Distribution

2008
10K TESTS
6H
70%
To infinity and beyond...
We had to think differently...
We had to think differently...
The sky is the limit!

- Scalable!
- 30 min feedback
- Cost Decision
- Real Continuous Delivery
- Cheaper infrastructure
The sky is the limit!
Questions?
Questions?
+55 48.99173 4583
+55 44.98812 2016

Talk to one of our Agilists:
agileteam@objectivegroup.com

Danilo Garcia
danilo.garcia@objectivegroup.com
#danilog0611

Marcelo Walter
mlwalter@objectivegroup.com
#MarceloLWalter

SÃO PAULO - SP
Rua Peixoto Gomide 996 – 6º andar
Cerqueira Cesar - CEP:01409-000
+55 11 3176-8100

CURITIBA - PR
Av João Gualberto 1740, 9º andar
Juvevê - CEP:80030-001
+55 41 3122-9100

MARINGÁ - PR
Av. Horácio Raccanelo Filho 5355,
Sala 1 - Zona 7 - CEP:87020-035
+55 44 3032-9150

CHICAGO/IL (USA)
222 Merchandise Mart Plaza Suite 1225
Chicago - Illinois - 60654
+1 312 885-7619