

IBM i Application  
Development  
Automated Testing-  
Worksoft Certify  
Worksoft

11D

WorkSoft

worksoft™

ADC AUSTIN

MKS

WEBSYDIAN™

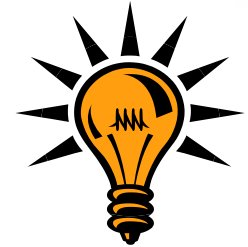
cm FIRST

desynit  
ca

- **Established in 1998**
  - **Founded by industry thought leaders**
    - Previous founders of AutoTester, first PC-based test automation tool
    - Linda Hayes, CTO is author, columnist, speaker with 20+ years experience
  - **Innovator position**
    - First to market with code-free automation
    - Patent pending API for extensible execution approach
- **Headquartered in Dallas, Texas**
- **Field offices in San Francisco, Chicago, Boston**
- **Investors:**
  - **Austin Ventures, Austin, Texas; \$3B under management**
  - **Crescendo Ventures, Palo Alto, Minneapolis, and London; \$1B under management**
- **Seasoned management team**
  - **100+ employees**



- **New idea**
  - Market Opportunity – Market share
  - Business Process redesign
- **Software needs to be developed**
  - How long can that take?
    - Requirements
    - Analysis, Design, Code
    - Test
    - Release
- **Make it shorter, is the business demand**



## Business risk is increasing

- Market pressure drives schedules
- Functionality, complexity expanding
- Applications exposed to customers

## Manual testing can't keep pace

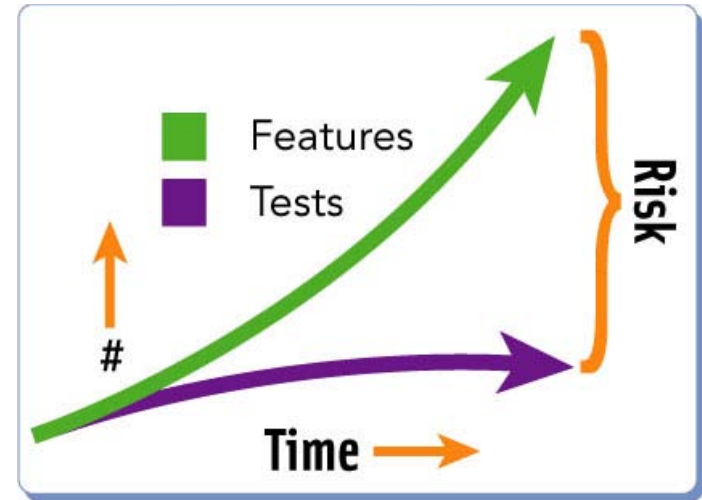
- Time, resources and skills are limited
- No reusability means decreasing coverage
- Time, turnover cause loss of knowledge

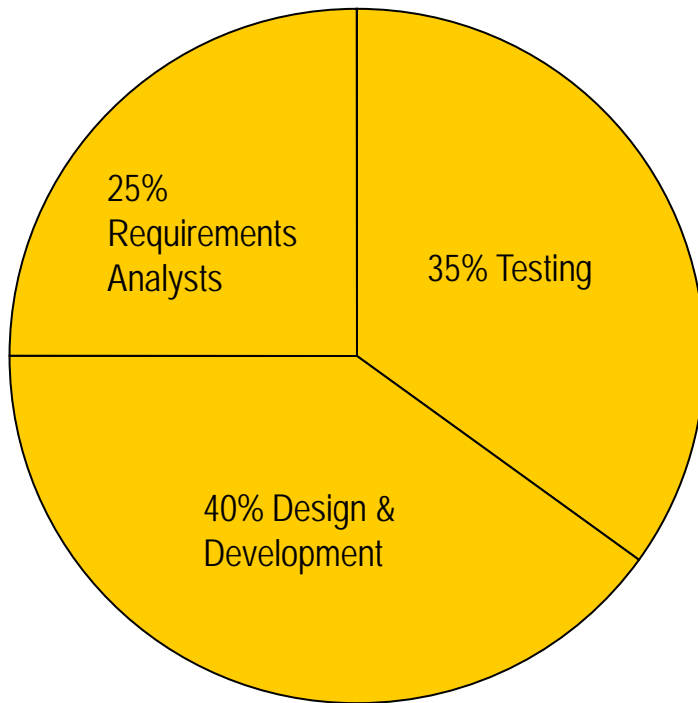
## Production data must be obfuscated for testing

- Compliance
- Outsourcing/offshoring

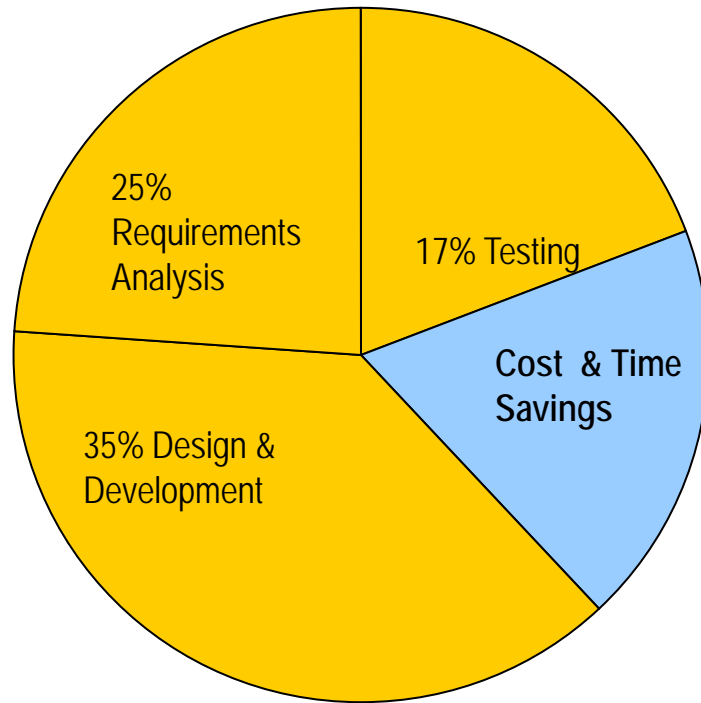
## Automation is only answer

- Increase coverage
- Reduce time, resources





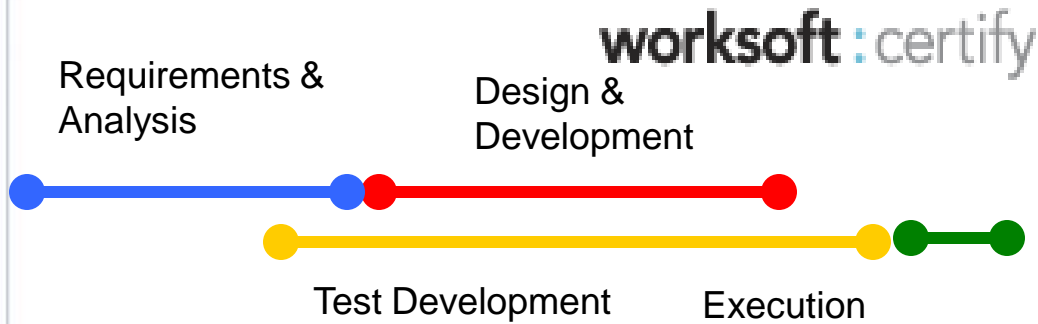
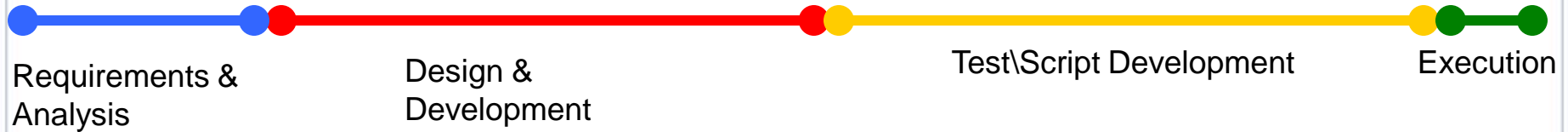
Scripting / Manual



**worksoft**:certify

# Certify Reduces Time to Market

## Scripting Tool



worksoft:certify



Time

Before: One application took four months to test with scripting

Today with Certify: 32 are tested in four months



## Scripting tool after 2 years work:

Only 2 out of 12 Member QA team could use script tool

No business analysts could use scripting tool.  
"Q/A is a bottleneck."

Today with Certify:

12 out of 12 member QA team using Certify

50+ Business Analysts & users using Certify



## Training

2 weeks training per user on script programming language

80% Time savings & productivity gain

2 days class training per user

No programming

## Design

3 months to learn how to design a reusable testing system

1 week to design processes, cycles, schedules & recordsets  
Reusability built into the repository

## Development

2 weeks script coding time per screen to validate all fields

4 hours to import screens, validation built-in  
No coding required

## Maintenance

4 hours per screen change, for impact analysis & modifying screen code

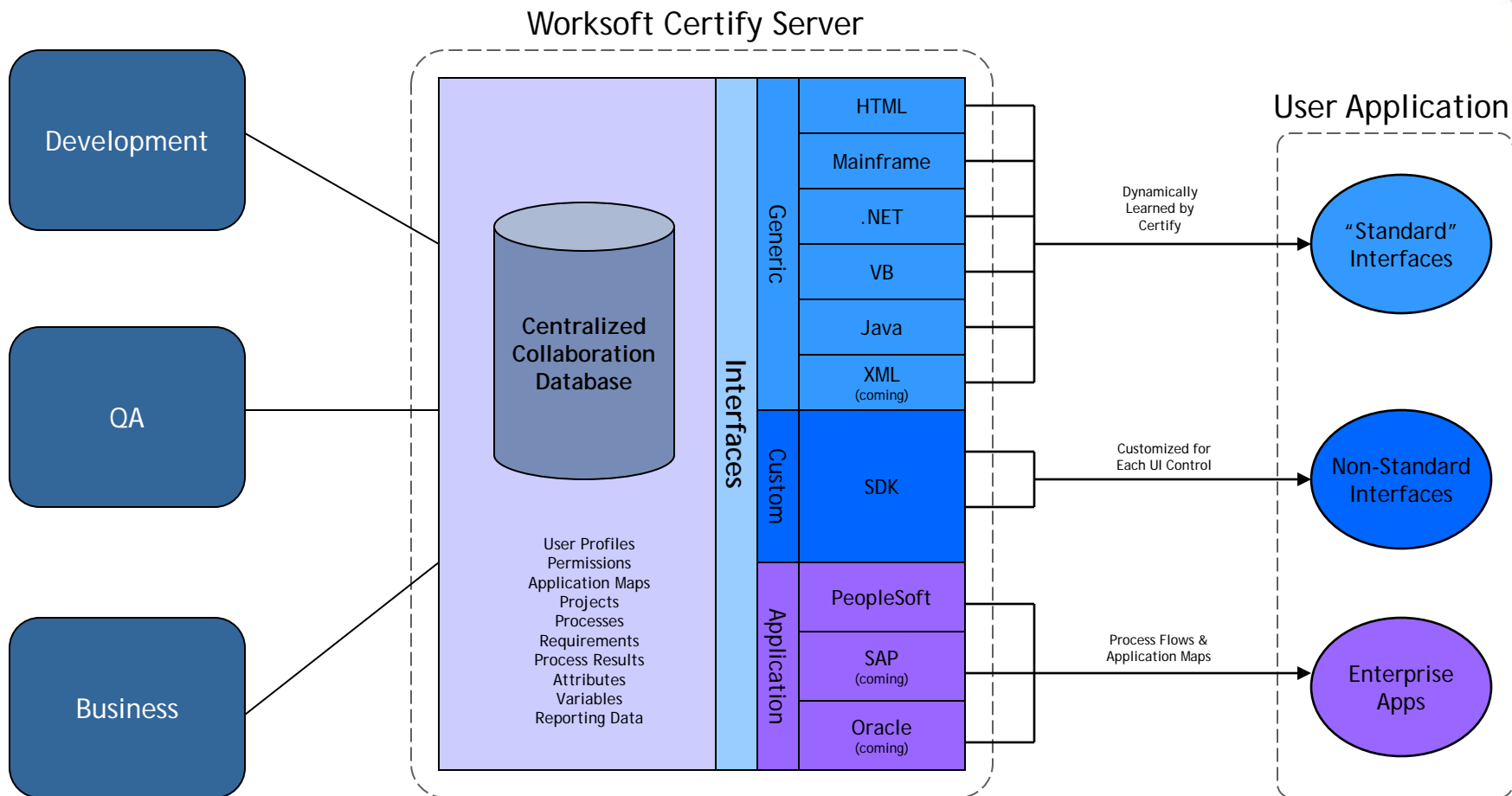
20 minutes to import new screens  
Impact analysis & script update is automatic



# Example Customers



# Architecture



## **Value add QA**

- Greater application quality
- Faster time to market
- More enterprise visibility

## **Tighter integration with business**

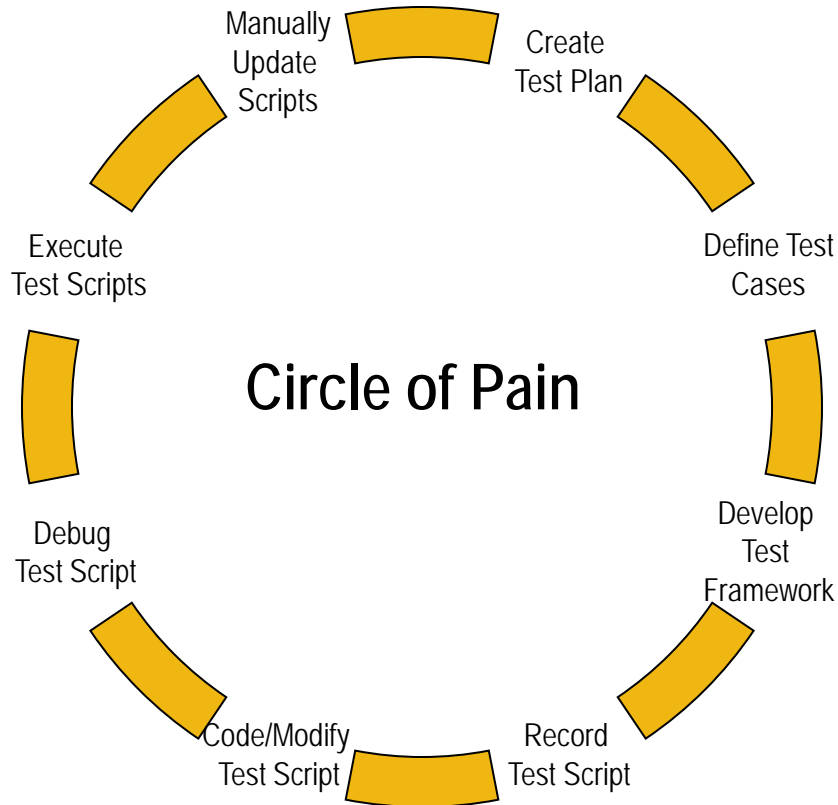
- Subject matter experts fundamental to the process

## **Faster delivery cycles**

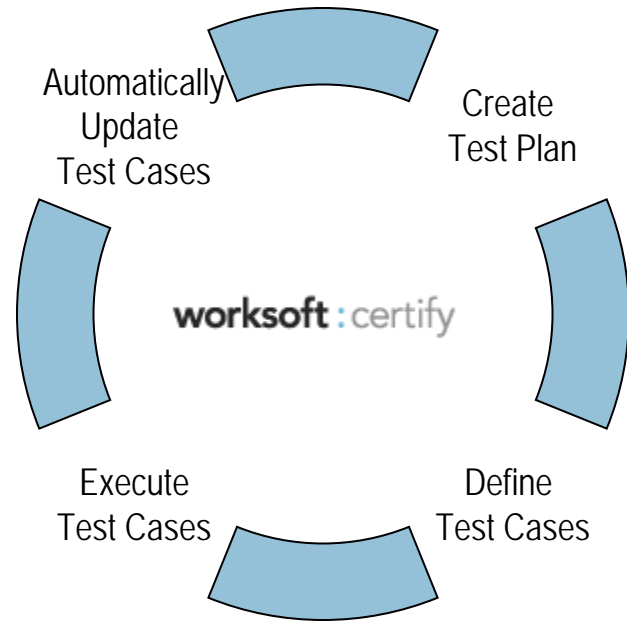
- 80% less training required
- 92% faster design
- 95% faster test development
- 97.5% more efficient maintenance

## **Worksoft radically alters the economics of quality.**

- We empower wider participation in automation
  - Remove technical barriers
- We expand test coverage
  - Cross-application, multi-platform
- We reduce the time and cost of implementation
  - Documented 32X increase in throughput
- We reduce the lifetime cost of ownership
  - Buy versus build



Exclusively technical resources



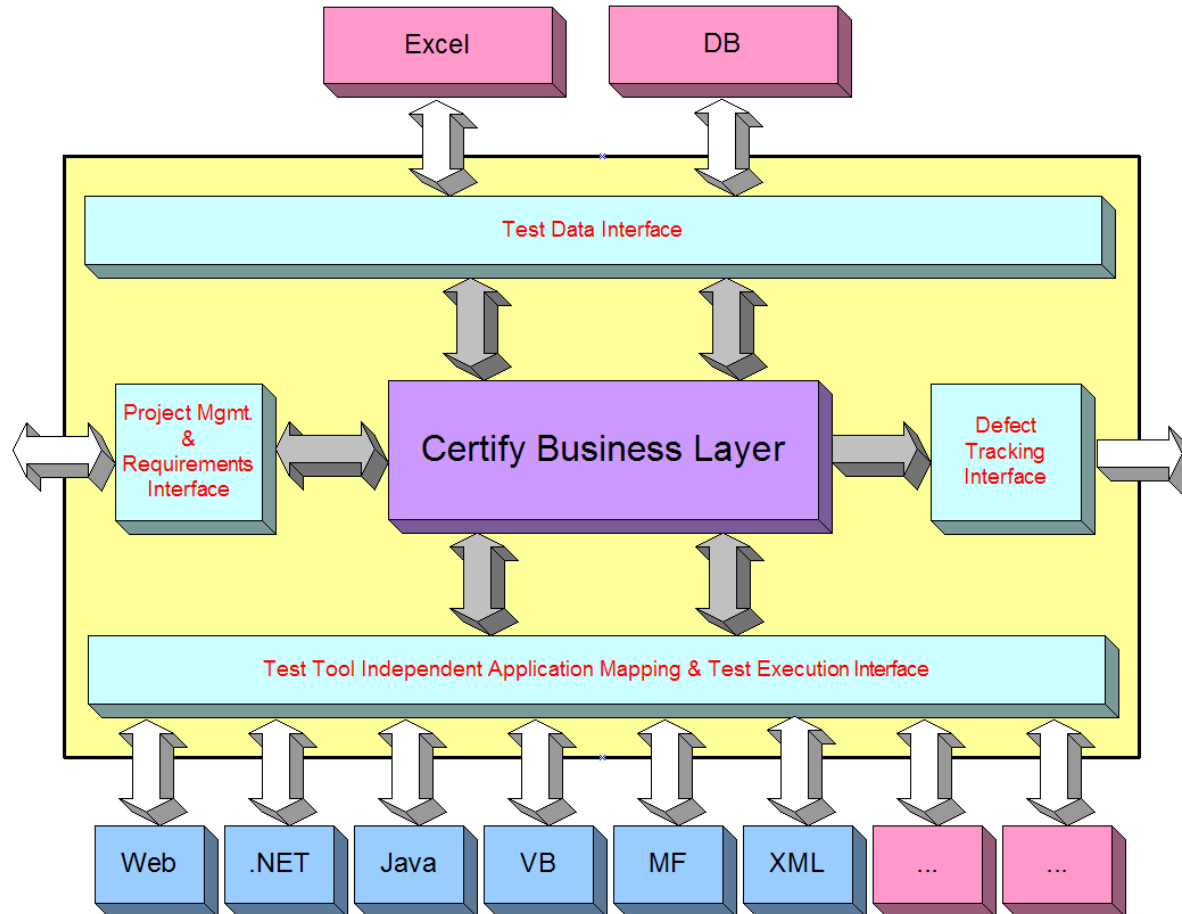
Business people

# Certify Testing Differentiators

- **Empowers all members of the quality process**
  - Development, QA, BAs and subject matter experts
- **Ease of Outlook – power of programming**
  - Simplified interface, abstraction layer masks advanced engineering
- **Store application knowledge in repeatable tests**
  - Convert experience into cumulative assets release to release
- **End-to-end testing across platforms**
  - Test entire business process across Web, IBM i, mainframe, Java, .NET, VB, SOA, etc
- **Enables concurrent test development**
  - Develop tests before code delivery to reduce time to market
- **Open support for tools, language independent**
  - Patent pending

**No other solution can deliver these benefits**

# Worksoft Certify Architecture



**Open Architecture Leverages Existing Tools, Skills**

- **CA 2E Screen Import**
- **CA Plex Interface**
- **Experience with API / Customization**
  - Adding components, specialized map import
- **Training around to CA 2E/Plex User**
- **Experience with migration of CA 2E**

## Worksoft Certify makes it easy to

- **Collaborate**
  - Manage your test process across the enterprise
  - Organize all your test assets in a single, shared repository
  - Document your tests and results in a standard format for compliance
- **Automate**
  - Automate your tests without coding
  - Update your tests instantly and automatically
  - Execute end to end, seamlessly across platforms
- **Accelerate**
  - Automate more tests and applications in less time
  - Enable shorter cycle times with greater coverage
  - Deliver better applications faster

**No other solution can deliver these benefits**

