



IT  Outsourcing  Projects  Contracting

How to Increase Your Development Efficiencies with Zend Studio

Presented By CEI

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Agenda

- Background
- Retooling to PHP/Zend
- Our First Attempt
- What We Do Now
- Actual Project Metrics Comparison
- How We Did It
- Why It Works
- Q & A

Background - Me

➤ Bill Salvucci

- CEI Open Source Thought Leader
- 15+ years developing enterprise apps
- Media, Scientific, Telecommunications, Energy, BioPharm, Government
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Background - CEI

- Computer Enterprises, Inc. (CEI)
 - Global IT Services and Solutions Provider
 - Servicing over 50% of the Fortune 100 since 1992
 - Proven Global Agile Delivery Methodology
 - Quicker ROI
 - Lower Development Costs
 - CMMI Level 5 Globally Assessed
 - Obsessed with Quality
 - 350+ Employees Globally
 - Headquartered in US

<http://www.ceiamerica.com>

Background - CEI

- CEI has provided value to over 850 clients
- CEI has Expertise in a variety of Verticals
 - Media
 - Transportation & Logistics
 - Insurance & Healthcare
 - ISV's
 - Banking
 - Legal
 - Government
- Our Partners
 - Zend
 - Microsoft
 - Redhat
 - IBM

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Retooling to PHP/Zend

- Major Customer moving to “Open Source” technology stack
- Old Technology Stack
 - java/j2ee
 - ATG Dynamo
 - Interwoven Teamsite
 - Oracle
 - CAS
 - Jive SBS, ADTECH Helios, Brightcove Video, Omniture Web Analytics
- New Technology Stack
 - PHP
 - Zend Framework
 - Solr
 - REST
 - JQuery
 - Zend Server
 - Interwoven Teamsite
 - Oracle
 - CAS
 - Jive SBS, ADTECH Helios, Brightcove Video, Omniture Web Analytics

Our First Attempt

- Tool Set
 - Eclipse PDT
 - Excel Spreadsheet
 - SVN, Firebug

- Technology Stack
 - LAMP
 - PHP
 - Zend Framework
 - JQuery

Our First Attempt

➤ Eclipse PDT

- Difficulty finding and installing the correct bundle
- Difficultly finding and installing Xdebug
- Debugging was very unstable (slowness and crashes)
- Minimal Code Assist (not aware of Zend semantics)
- Features stopped working when new plugins were added
- Never got phpunit working properly

Our First Attempt

- Excel Spreadsheet For Burndown
 - Complicated to setup
 - No IDE Integration
 - Not real time
 - Not accurate
 - No SVN Integration
 - Doesn't support the concept of sprints
 - Static View
 - Hard to Make Changes

Our First Attempt

- SVN
 - No Problems
- Firebug
 - Incredibly valuable and indispensable

What We Do Now

➤ Tool Set

- Zend Studio
- Atlassian Jira
- SVN, Firebug

➤ Technology Stack

- Zend Server
- PHP
- Zend Framework
- JQuery

What We Do Now

➤ Zend Studio

- Minutes to Install
- Debugging “just works”
- Debugging is fast and stable
- Extensive Code Assist aware of Zend semantics
- No problems after adding thirdparty plugins
- phpunit “just works”

What We Do Now

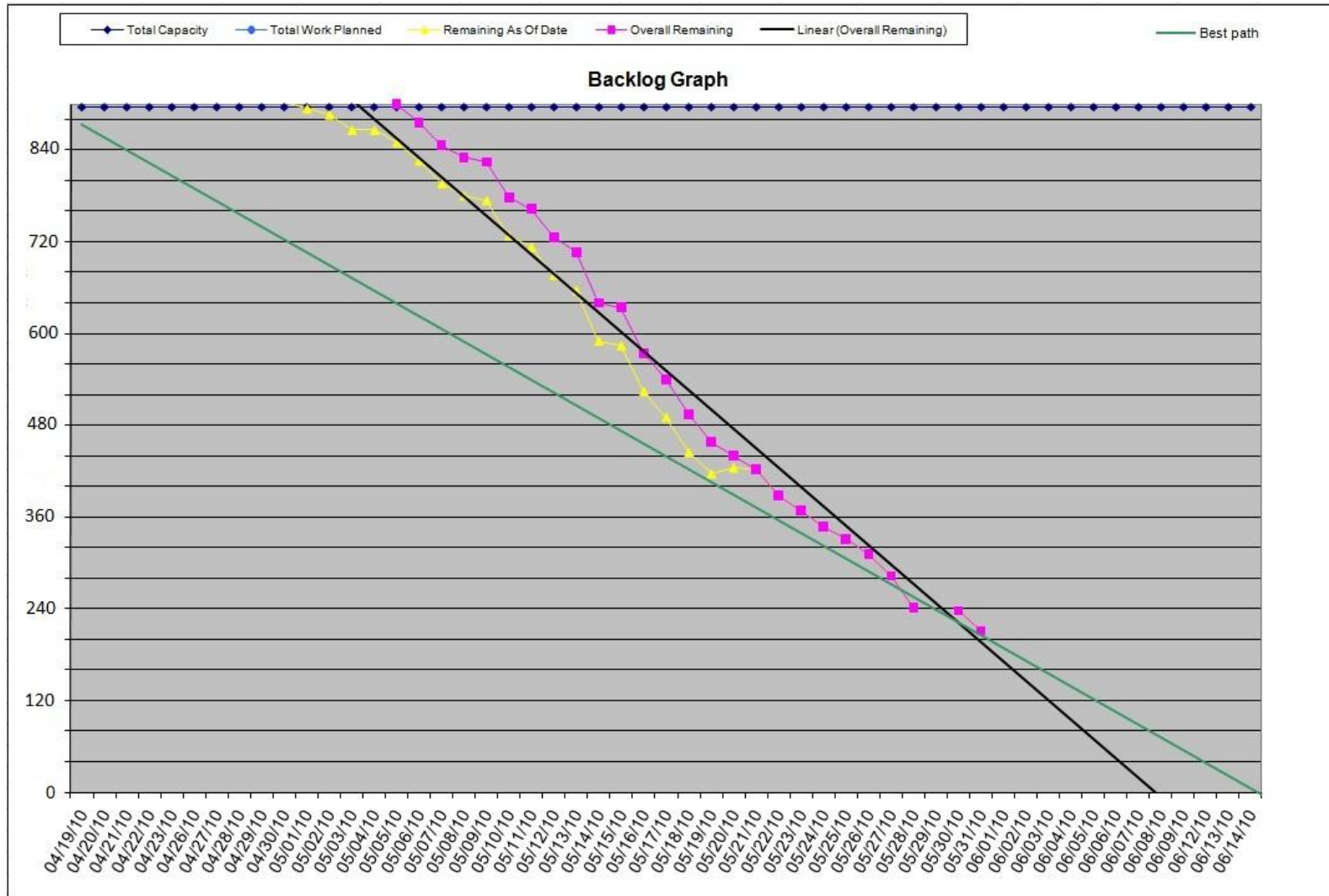
➤ Jira with Greenhopper

- Download and install in minutes
- Nicely integrated into Zend Studio
- Achieve near real time statistics
- Very accurate
- SVN Integration
- Supports Sprints (for Development Team and Stakeholders)
- Filters Provide Dynamic, Targeted Views of the Data
- Nimble

What We Do Now

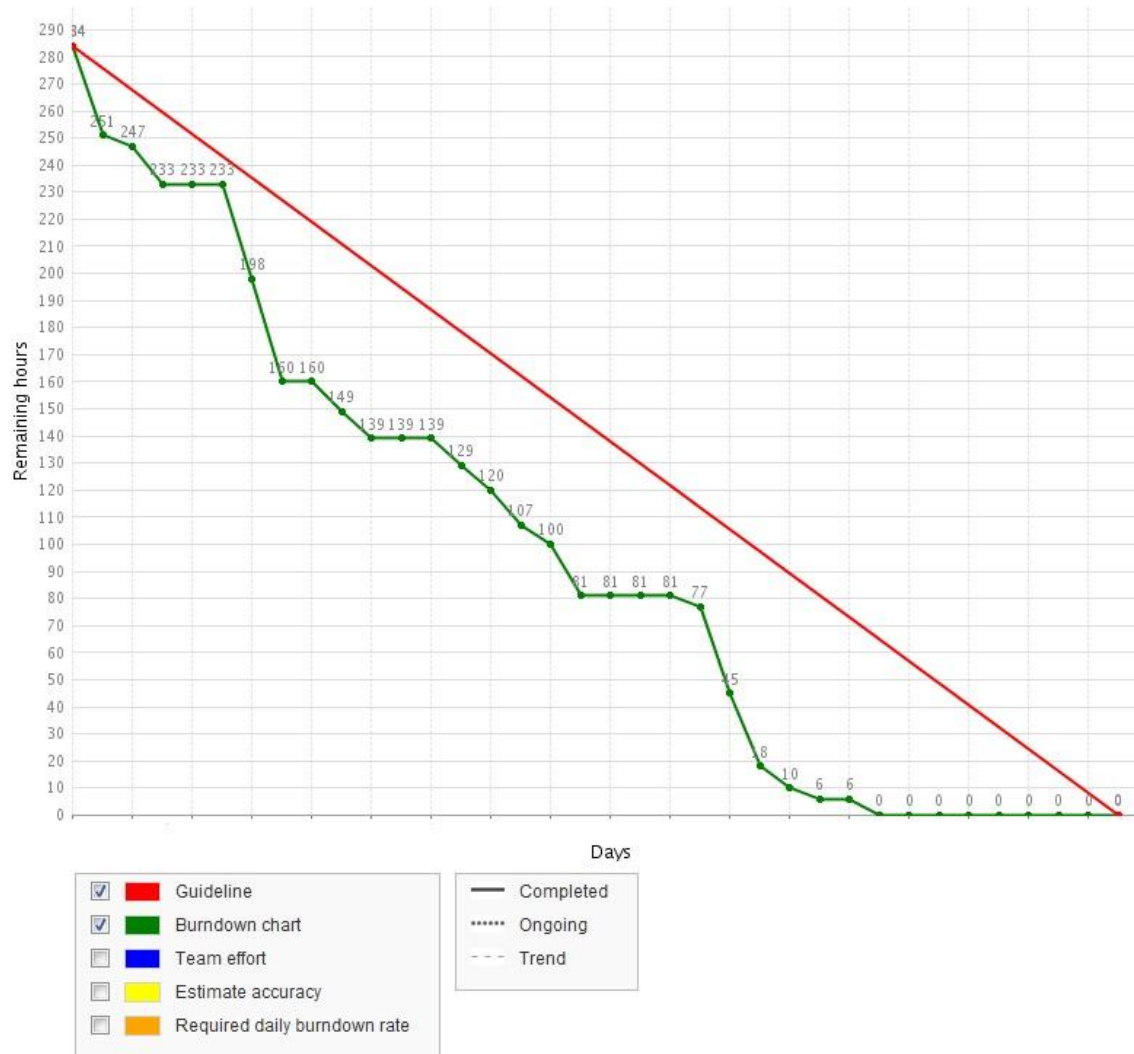
- SVN, Firebug

Actual Project Metrics Comparison First Project



Actual Project Metrics Comparison

Recent Sprint



Actual Project Metrics Comparison

➤ First Project

- ~4 Development Team Members (1 onshore; 3 offshore)
- Knocked out 890 “feature” hours in 7.5 weeks
- Velocity = 47.5

➤ Our Last Project

- ~4 Development Team Members (1 onshore; 3 offshore)
- Knocked out 280 “feature” hours in 2 weeks
- Velocity: 56

➤ Summary

- Conservatively, This Represents a ~25% Efficiency Gain In real Work Hours

How We Did It

- Adopt Agile Practices
 - Self Organizing Teams
 - Real Time Project Metrics
- Use the Right Toolsets To Achieve your Agile Goals
 - Zend Studio
 - Jira

Why It Works

- Development Team Communication
- Stakeholder Communication
- Team Buy In