Project Zero Overview

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Web 2.0 Applications Use SOA
Serving New Markets with Specific Needs via Situational Applications

From dozens of markets of millions of users to millions of markets of dozens of people

SOA is pervasive here
Web 2.0 applications using SOA reach here

Usage
Number of Applications

Sales analysis
Dashboard

ERP
CRM
SCM

Enterprise applications
IT created situational applications
User created situational applications

Sales analysis

Web 2.0 applications using SOA reach here

From dozens of markets of millions of users to millions of markets of dozens of people
Project Zero
A technology incubator for development and deployment of situational web applications

A new platform
- Create
  - Quickly build applications using dynamic scripting, REST principles, Ajax and other Web 2.0 technologies
- Assemble
  - Mash up services and feeds to build composite applications
- Execute
  - Easily develop and deploy in an application centric runtime

A new approach
- Develop on the web with perpetual betas and constant feedback
- Use a transparent development process
- Evolve the platform based on community feedback
Rapidly Develop Situational Applications

Project Zero is easy for developers to access, learn, and use

Create Applications with Project Zero

- Dynamic Scripting and Templates
  - PHP Language Syntax
  - Groovy (Java Language Syntax)
  - Java as System Programming Language

- Effortless creation of RESTful Services and Data Feeds (RSS, ATOM)

- State externalized into a shared memory space (Global Context)

- Catalog of pre-built Services and Libraries provides useful building blocks
Rapidly Assemble Situational Applications

*Project Zero lets developers visually “mash-up” services and feeds*

**Assemble Applications with Project Zero**

- Compose applications by “wiring” together REST services
- Visually or programmatically combine existing feeds and services that enrich, sort, and filter data in a pipeline
- Configure templates to alter pipeline routes, log events along the pipeline
- Adapters to enhance integration with existing systems
A Runtime Optimized for Situational Applications

*Project Zero focuses on deploying applications, not servers*

**Execute Applications with Project Zero**

- Cost effective execution
  - 100s of applications per box
  - Applications activated only if needed

- Clean execution
  - Applications are isolated and secured from each other
  - Periodic re-cycling of applications reduces failures

- Nimble execution
  - Process is fast to start with reduced memory footprint
  - Quality of Service and Management is provided externally
Community Driven Commercial Development

Evolve the Project Zero core platform based on developer feedback

Commercial development using a transparent development process

Enabled via an external web site providing:

- A focal point for all Zero development activities
  - Expose the IBM development process to the external developer community
  - All design decisions are discussed and communicated via external forums
  - Registered users can post comments and feedback to the forums

- Frictionless download of latest code and documentation
  - Registration not required for binary downloads
  - Latest builds immediately available to developers
  - Source code can be viewed by registered users

http://www.projectzero.org
ProjectZero.org - Lowering the Barriers to Community Access

Anonymous Visitors can...
- Browse the site
- View Wiki content
- Read Forums
- Search the Bug Database
- Read Blogs
- Download Binary Drivers*

Registered Users can...
- Post to the Forum
- Submit Bug Reports
- Submit Feature Requests
- Comment on Blog Posts
- Access Source Code*

Focused on easy access
- Internet web site
- Free access to the platform

Focused on feedback
- Simple, free registration process

* Requires acceptance of an IBM license agreement
Project Zero Improves Speed and Agility for Situational Application Development

Easy to Access
Fast to Develop

Easy to Learn
Easy to Deploy