



StepOuts

Transparency Overview

Step Solutions Inc

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- Step Solutions Inc has pioneered the way client to offshore development provider interaction is done by insuring:
 - Real time visibility of all developer to client interactions
 - Real time source code availability in a secured North Carolina data center
 - Real time project progress control and interaction between client and developer(s)
 - Automated application management and verification
 - Complete 24 hour work cycle

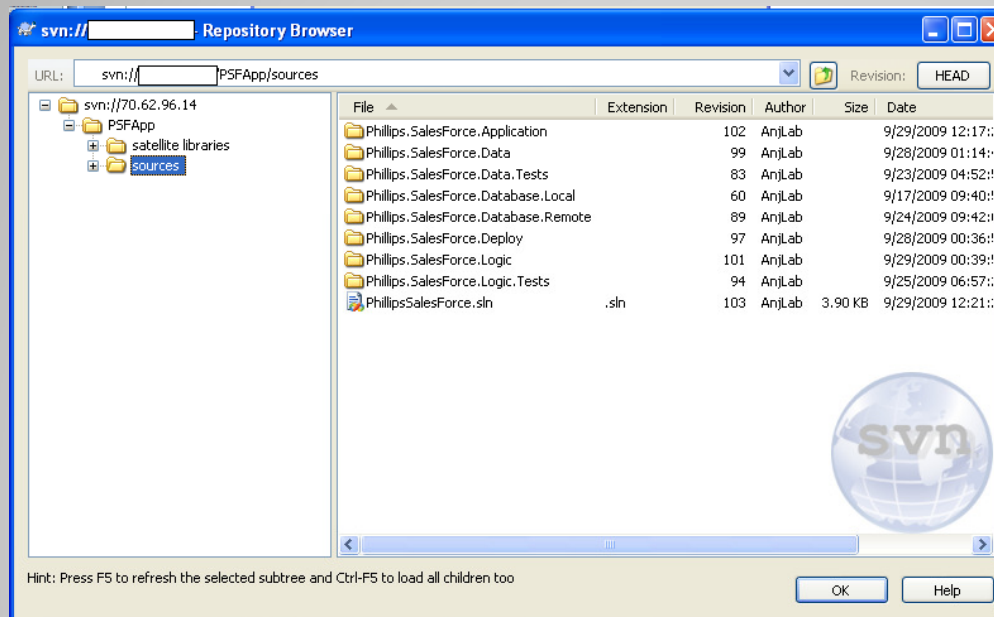
Complete Transparency

- The client comes up with initial idea/project and sends it over to the developer(s) to build



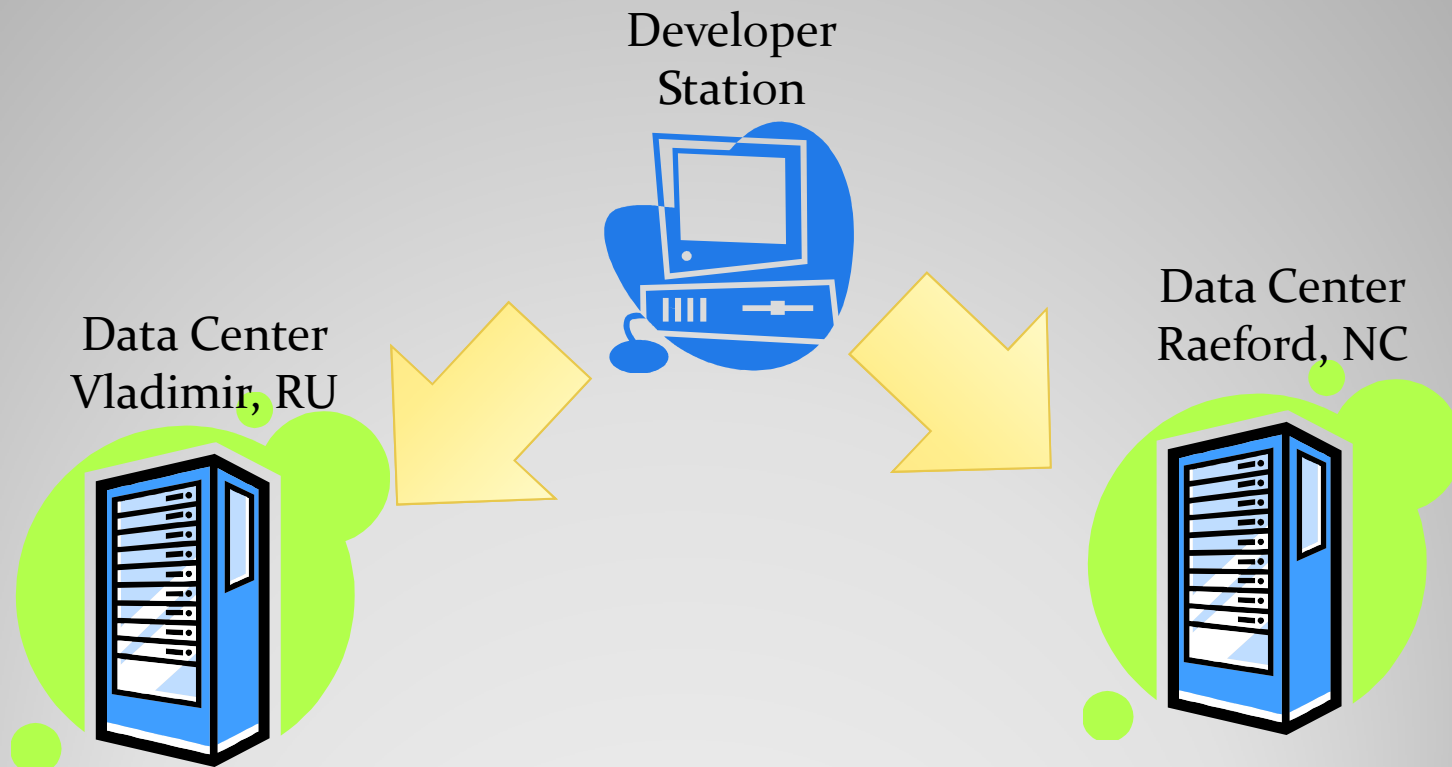
Development Flow

- Developer starts programming and saves initial build
- As soon as he/she saves the source code, the code is checked into source control software (svn)



Development Flow

- Source Code is replicated in real time, i.e. when new changes are made, through two different sites



Development Flow

- As soon as new change is available, the new source code is ran through automated “Cruise Control” system
- The code is compiled and ran through a series of tests in order to ensure proper program could be pushed out to the customer
- The customer has constant access to the Cruise Control system and can see what developers are doing and where the overall project stands any time

CruiseControl.NET
CONTINUOUS INTEGRATION SERVER

Documentation

Dashboard version : 1.4.4.83

[Farm Report](#)
[Download CCTray](#)

Servers

[local](#)

Server	Project Name	Last Build Status	Last Build Time	Next Build Time	Last Build Label	CCNet Status	Activity Messages	Admin
local	PSF App	Success	2009-09-29 13:23:38	2009-09-29 15:24:07	0.1.093	Running	Sleeping	<input type="button" value="Force"/> <input type="button" value="Stop"/>

Development Flow – Cruise Control

- Customer can see each day how many builds were done and if they were successful or not

Dashboard > local > PSF App version : 1.4.4.8

[Project Report](#)
[Latest Build](#)
[View All Builds](#)
[View Statistics](#)
[View Server Log](#)
[Project Configuration](#)
[View Modification History](#)

Project Report for PSF App

Project Status for PSF App
Last Build Status: Success
Last Build Label: 0.1.093
CCNet Status: Running
Activity: Sleeping

Click [here](#) for the most recent build report.

Build Overview

86%

Date	Successful Builds	Failed Builds
2009-09-09	1	0
2009-09-10	2	0
2009-09-11	3	0
2009-09-12	4	0
2009-09-13	1	0
2009-09-14	2	0
2009-09-15	3	0
2009-09-16	2	0
2009-09-17	3	0
2009-09-18	2	4
2009-09-19	1	0
2009-09-20	2	1
2009-09-21	3	3
2009-09-22	2	0
2009-09-23	2	1
2009-09-24	3	2
2009-09-25	2	0
2009-09-26	3	0
2009-09-27	2	0
2009-09-28	2	0
2009-09-29	1	0

[Show All](#)

Cruise Control

- Each build has detailed description behind it.
 - What tests were executed against it
 - What errors/warnings were found during compilation
 - What particular functionality was worked on, and what files were involved
 - And much much more

Dashboard > local > PSF App > 2009-09-29 13:23:38 (0.1.093) version : 1.4.4.6

BUILD FAILED

Project: PSF App
Date of build: 2009-09-23 07:39:19
Running time: 00:00:03
Integration Request: IntervalTrigger triggered a build (IfModificationExists)
Last changed: 2009-09-23 06:47:13
Last log entry: deploy application

Modifications since last build (7)

Added	/PSFApp/sources/Phillips.SalesForce.Deploy
Modified	/PSFApp/sources/PhillipsSalesForce.sln
Added	/PSFApp/sources/Phillips.SalesForce.Deploy/Banner.jpg
Added	/PSFApp/sources/Phillips.SalesForce.Deploy/Phillips.SalesForce.Deploy.vdproj
Modified	/PSFApp/sources/Phillips.SalesForce.Application/Dialogs/LoginForm.Designer.cs
Added	/PSFApp/sources/Phillips.SalesForce.Deploy/SplashScreen.JPG
Added	/PSFApp/sources/Phillips.SalesForce.Deploy/final.mdb

Errors (2)

Security.cs (1,7): errorCS0246: The type or namespace name 'Obviex' could not be found in the namespace 'Obviex' and no assembly could be loaded.
 SecurityTests.cs (2,7): errorCS0246: The type or namespace name 'Obviex' could not be found in the namespace 'Obviex' and no assembly could be loaded.

Warnings (4)

BUILD SUCCESSFUL

Project: PSF App
Date of build: 2009-09-29 13:23:38
Running time: 00:00:28
Integration Request: IntervalTrigger triggered a build (IfModificationExists)
Last changed: 2009-09-29 13:21:25
Last log entry: sync bug fix

Modifications since last build (7)

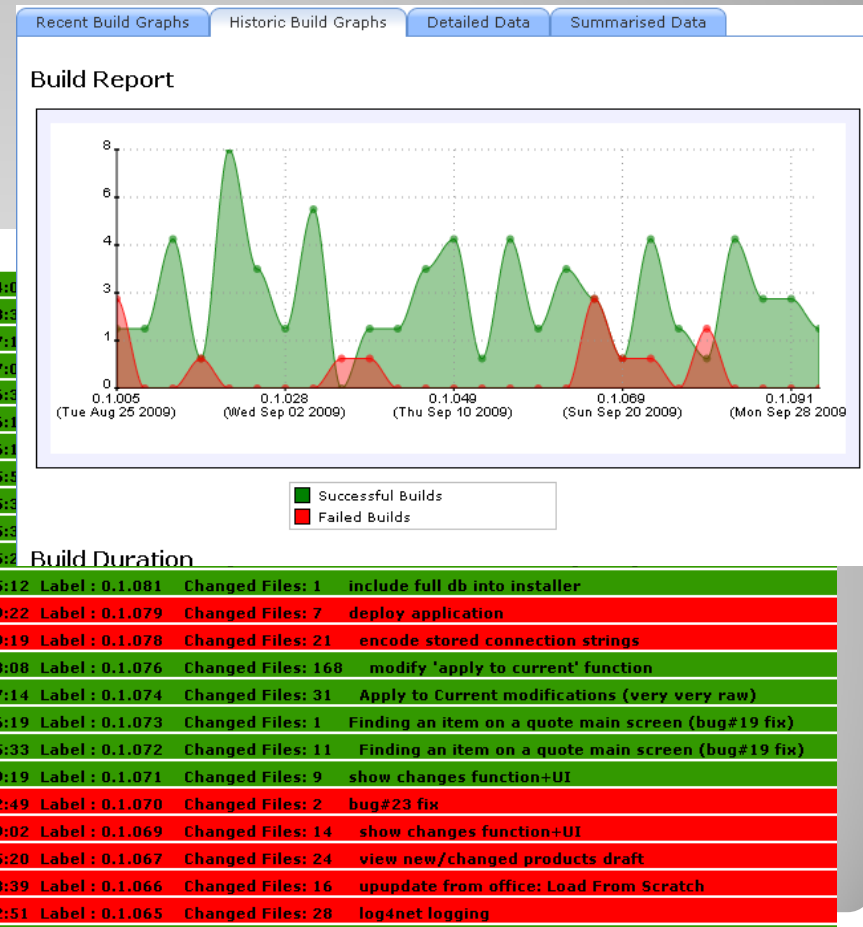
Modified	/PSFApp/sources/PhillipsSalesForce.sln	sync bug fix	2009-09-29 13:21:25
Modified	/PSFApp/sources/Phillips.SalesForce.Application/Phillips.SalesForce.Application.csproj	sync bug fix	2009-09-29 13:17:21
Modified	/PSFApp/sources/Phillips.SalesForce.Application/Properties/Settings.settings	sync bug fix	2009-09-29 13:17:21
Modified	/PSFApp/sources/PhillipsSalesForce.sln	sync bug fix	2009-09-29 13:17:21
Modified	/PSFApp/sources/Phillips.SalesForce.Application/Properties/Settings.Designer.cs	sync bug fix	2009-09-29 13:17:21
Deleted	/PSFApp/sources/Phillips.SalesForce.Application/release.config	sync bug fix	2009-09-29 13:17:21
Modified	/PSFApp/sources/Phillips.SalesForce.Application/app.config	sync bug fix	2009-09-29 13:17:21

Warnings (11)

C:\FTPData\Client\HiImpactTech\PSFApp\sources\PhillipsSalesForce.sln (,): warning MSB4121: The project configuration for project "Phillips.SalesForce.Database.Local" was not specified in the solution file for the solution configuration "Debug|Any CPU".
 C:\FTPData\Client\HiImpactTech\PSFApp\sources\PhillipsSalesForce.sln (,): warning MSB4121: The project configuration for project "Phillips.SalesForce.Database.Remote" was not specified in the solution file for the solution configuration "Debug|Any CPU".
 Controls\ViewQuoteProductsControl.Designer.cs (408,64): warning CS0169: The field 'Phillips.SalesForce.Application.Controls.ViewQuoteProductsControl.dataColumn1DataGridViewTextBoxColumn' is never used
 Controls\ViewQuoteProductsControl.Designer.cs (409,64): warning CS0169: The field 'Phillips.SalesForce.Application.Controls.ViewQuoteProductsControl.itemdescDataGridViewTextBoxColumn' is never used
 Controls\ViewQuoteProductsControl.Designer.cs (410,64): warning CS0169: The field 'Phillips.SalesForce.Application.Controls.ViewQuoteProductsControl.itemdesc2DataGridViewTextBoxColumn' is never used
 Controls\ViewQuoteProductsControl.Designer.cs (411,64): warning CS0169: The field 'Phillips.SalesForce.Application.Controls.ViewQuoteProductsControl.categorycodeDataGridViewTextBoxColumn' is never used

Cruise Control

- Cruise Control System has number of useful reports that client has direct access to including
 - Modification History
 - Server Logs
 - Project Configuration
 - Various Statistics
 - And a lot more...



Cruise Control

- Once compiled & tested:
 - If successful a client receives an email stating a new build has been created and placed into your dedicated FTP site for your review. Client has real time access to the code in a data center in North Carolina.
 - If failed, then developer(s) receives an email stating they need to review the build and complete it.

Development Flow

- The client gets the new build and begins to test the system. In order to avoid communication confusion Step Solutions Inc has developed a full bug tracking system that allows client and developers to seamlessly communicate between each other, while reaching ultimate productivity

BugTracker.NET bugs search queries reports admin go to ID search text advanced logged in as Stepan logoff settings about help

+ add new bug open bugs print list print detail export to excel screen capture

clicking while holding Ctrl key toggles "NOT" in a filter: "NOT project 1"

id	flag	desc	project	organization	category	reported by	reported on	priority	assigned to	status	last updated by	last updated on
<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
52	<input type="checkbox"/>	Total Order & Margin on Quotes and Orders	Remote Quote App	Development	bug	Stepan	2009-09-28 3:08 PM	high	Gary	new	Stepan	2009-09-29 10:47 AM
51	<input checked="" type="checkbox"/>	Question on operation	Remote Quote App	Client	question	Gary	2009-09-27 11:29 PM	high	Gary	checked in	Stepan	2009-09-28 8:34 AM
49	<input checked="" type="checkbox"/>	Client's Export to Excel is Inactive (greyed out)	Remote Quote App	Client	question	Gary	2009-09-26 10:25 AM	high	Gary	checked in	Stepan	2009-09-28 8:34 AM

3 bugs returned by query

Development Flow

- As a result Step Solutions Inc has introduced a new real time agile offshore development model
- The model offers clients:
 - Real time visibility into developers world
 - Complete tracking of projects and tasks
 - Any time access to the source code in a secured data center in Raeford, NC
 - Web dashboard
 - 24 hour work cycle (developers are located in Vladimir, Ru)
 - Agile development approach



Full Transparency