



BENEFITS DOCUMENT

This document explains the **Various Benefits** that would accrue to a user or client who subscribes to AutoRABIT.



About AutoRABIT	3
AutoRABIT functionality.....	3
Key Features of AutoRABIT.....	4
Metadata Deployment.....	4
Promotion of Builds	4
Full Deployment.....	4
Selective Deployment.....	4
Sandbox Back-up & Restore.....	5
Version Control Support.....	5
Test Automation Support	5
Functional Test Results	6
ALM Aggregated Project Dashboard.....	6
Code Coverage Report	6
Data Loader Pro	7
Sandbox Management.....	7

About AutoRABIT

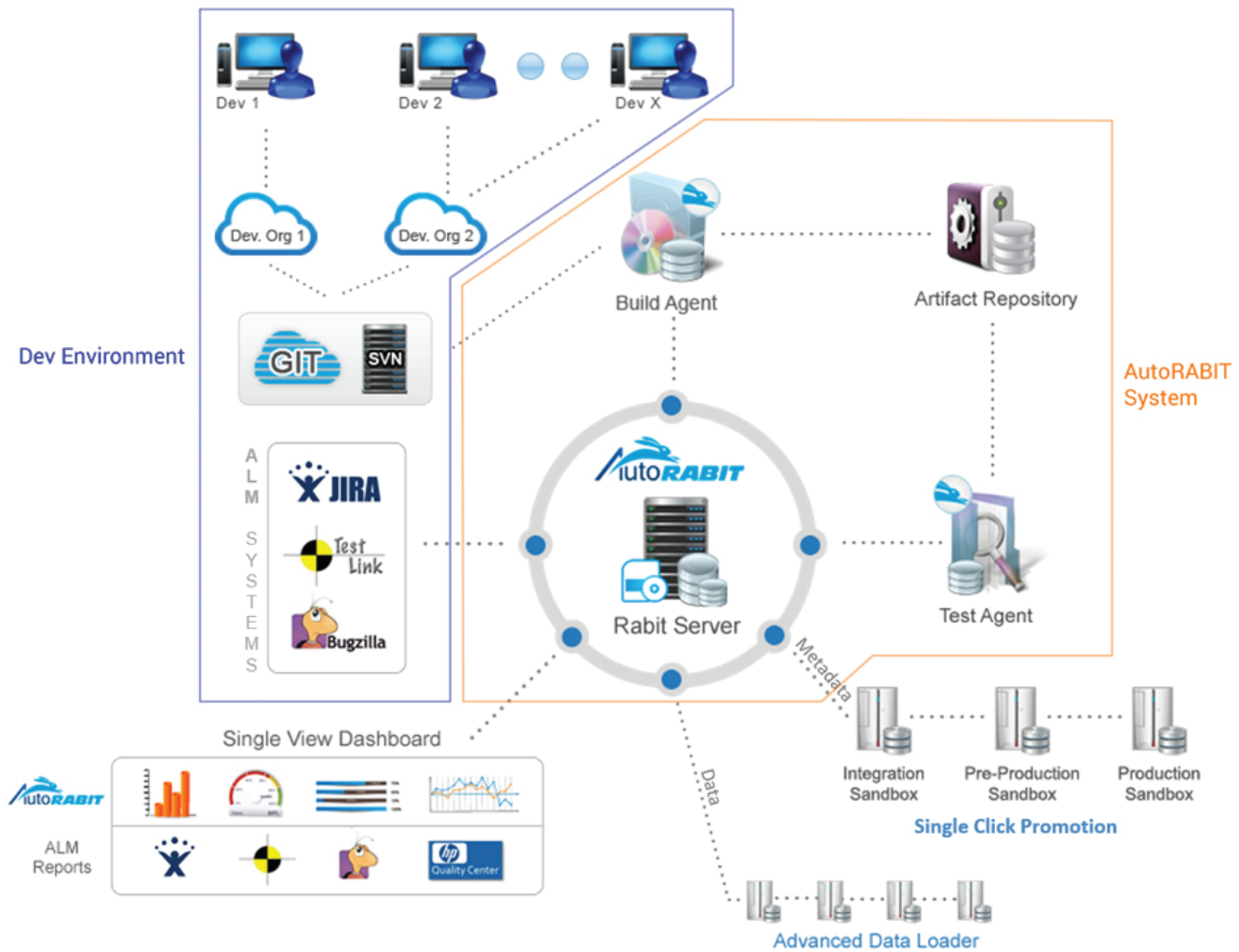
AutoRABIT is an end-to-end release management suite for streamlining and accelerating the development and release of Salesforce applications. With its out-of-the-box features, AutoRABIT streamlines the complete release process for the entire team and helps organizations in implementing Continuous Integration as a practice for Salesforce teams.



AutoRABIT functionality

With AutoRABIT in place, development teams can work in their Orgs/Sandbox and trigger AutoRABIT cycles that automate the build, packaging, and test execution for their Salesforce applications.

A typical end-to-end release automation process flow with AutoRABIT is depicted below:



- ✓ Developer(s) work(s) on his/their requirement(s) [Sandboxes/Orgs or Version Control]
- ✓ Developer triggers an AutoRABIT cycle that enables feedback for the change effected.
- ✓ AutoRABIT build agent fetches the changes, and packages the metadata into an archive.
- ✓ AutoRABIT deployment agent ensures the metadata is deployed into a destination Org/Sandbox, unit tests are run, and code-coverage report is generated.
- ✓ AutoRABIT test agent runs the configured automation tests in QTP, Selenium, JMeter, etc., and generates a dashboard report.
- ✓ Successful builds can be promoted to multiple release environments with one-click.
- ✓ Salesforce advanced data loader component can be used to schedule and perform data loading of multiple objects at once, along with their relationships.
- ✓ An ALM aggregator fetches all the key information from various ALM systems such as Jira, Quality Center, etc., and updates a central project dashboard, along with test results.



Metadata Deployment

AutoRABIT automates the process of packaging and deployment of Salesforce applications from a source SF Org or a Version Control System such as SVN/GIT into a destination sandbox/Org, which saves a lot of manual effort.

In addition to Continuous Integration (CI) driven automated deployments into test environments for the developer changes, AutoRABIT also has a 'one-click' promotion of builds into various release environments like QA, UAT, Staging, and Production.

Promotion of Builds

Promotion of successful builds to various release environments is always challenging and time-consuming. AutoRABIT's one-click promotion enables promotion of metadata of a successful build into various release environments, and runs the test cases for sanity check of the promoted build.

To promote a build, one has to choose the sandbox name, release environment, and click 'Promote'.

The promotion of the build can be either full-promotion or custom promotion of selected metadata.

With "Org Compare" reduce the time taken for promotion to see the difference between source and the destination Orgs/sandboxes. The changes that have been made to the metadata are shown in two different color codes, for changes that exist only in the source org and changes that exist in both source and destination.

Item	Source	Destination	Status
<input checked="" type="checkbox"/> AssignmentRule			
<input checked="" type="checkbox"/> Case.Standard	Case.Standard	Case.Standard	Same
<input checked="" type="checkbox"/> Lead.Standard	Lead.Standard	Lead.Standard	Same
<input checked="" type="checkbox"/> AssignmentRules			
<input checked="" type="checkbox"/> Case	Case	Case	Same
<input checked="" type="checkbox"/> Lead	Lead	Lead	Same
<input type="checkbox"/> AutoResponseRules			
<input type="checkbox"/> Case	Case	Case	Same
<input type="checkbox"/> Lead	Lead	Lead	Same
<input type="checkbox"/> Community			
<input type="checkbox"/> Internal Zone	Internal Zone	Internal Zone	Same
<input type="checkbox"/> CustomApplication			
<input type="checkbox"/> standard__AppLauncher	standard__AppLauncher	standard__AppLauncher	Same
<input type="checkbox"/> standard__Chatter	standard__Chatter	standard__Chatter	Same
<input type="checkbox"/> standard__Community	standard__Community	standard__Community	Same
<input type="checkbox"/> standard__Content	standard__Content	standard__Content	Same

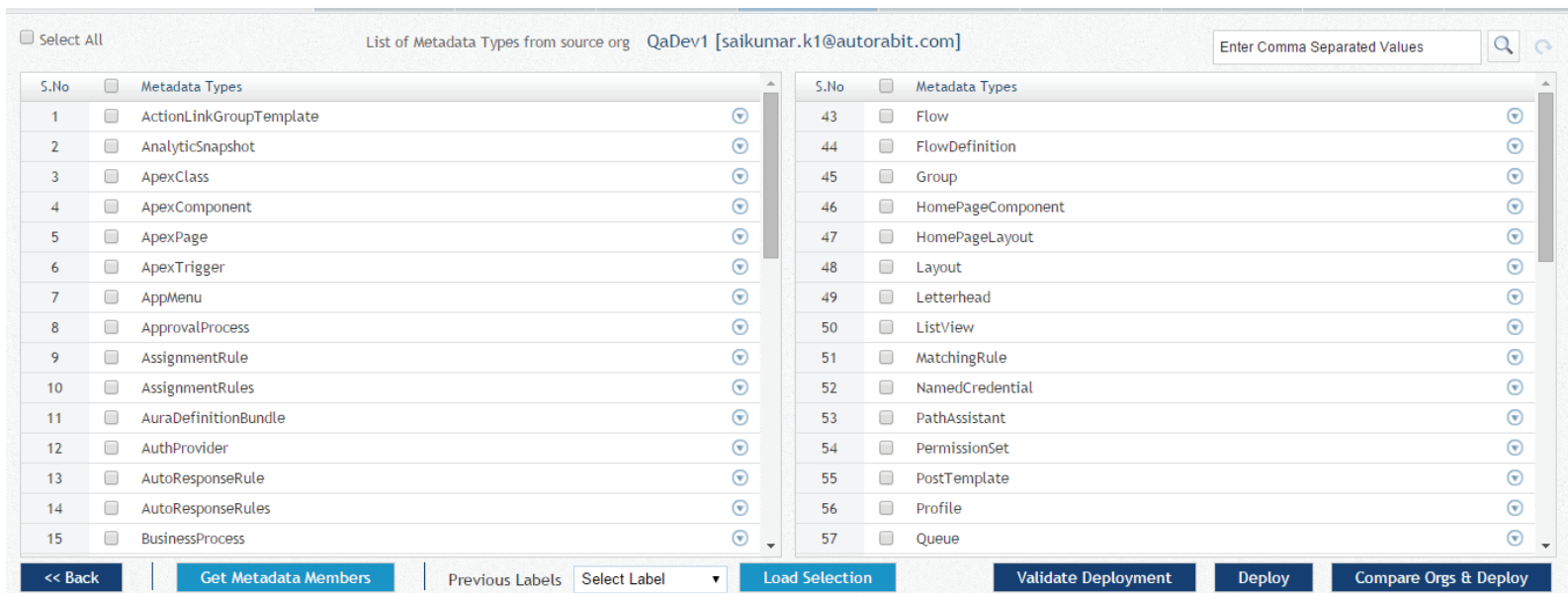
Full Deployment

In case of full deployment, the metadata of the destination Org/sandbox is cleaned up and the metadata deployment is done from the selected build cycle into the destination.

Selective Deployment

Selective deployment is handy in case of certain features being developed completely in the sandbox and they can progress to testing without waiting for other features that are "work-in-progress". With this feature, only the selected objects are deployed.

Note: Dependencies among the selected objects need to be taken care of by the teams themselves due to performance considerations.



Sandbox Back-up & Restore

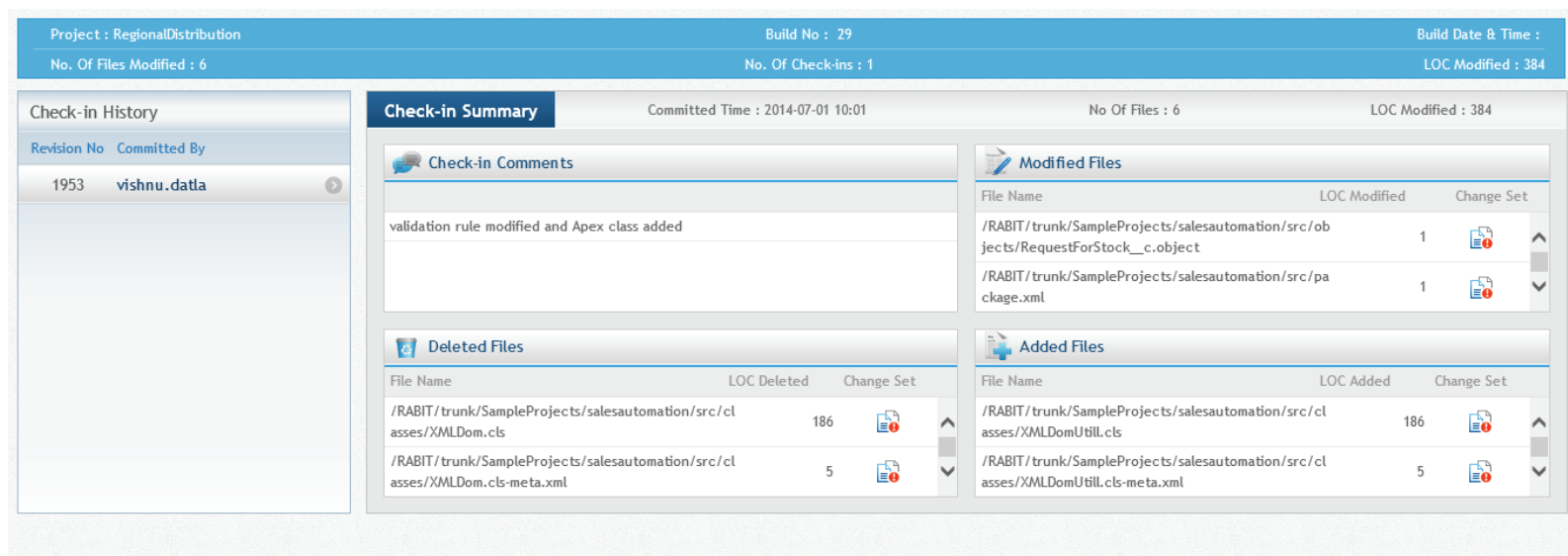
Changes are made to the destination Org during the deployments (full & selective). If the deployment fails or has some functional issues, (the issues maybe in the application or due to the failure/success of a build), you have an option to revert back to the original metadata.

Version Control Support

AutoRABIT provides version control support and change analysis for Salesforce applications with out-of-box support for Subversion, GIT, Perforce, etc., achieving visibility into every change that happens in the sandbox/SF Org.

Change Analysis component in AutoRABIT provides details of authors, files that are modified/added/deleted, line(s) of code modified in each object/file and the detailed diff reports of each modification, showing changes from the last build cycle to the current cycle.

AutoRABIT can be configured to fetch the changes from any Version Control System as part of an automated build cycle, or it can also fetch the changes from Sandbox and commit them into the Version Control System for change analysis.



Test Automation Support

AutoRABIT supports execution of automated tests on various test automation tools such as QTP, Selenium, JMeter , SoapUI Load runner "out of the box".

Functional Test Results

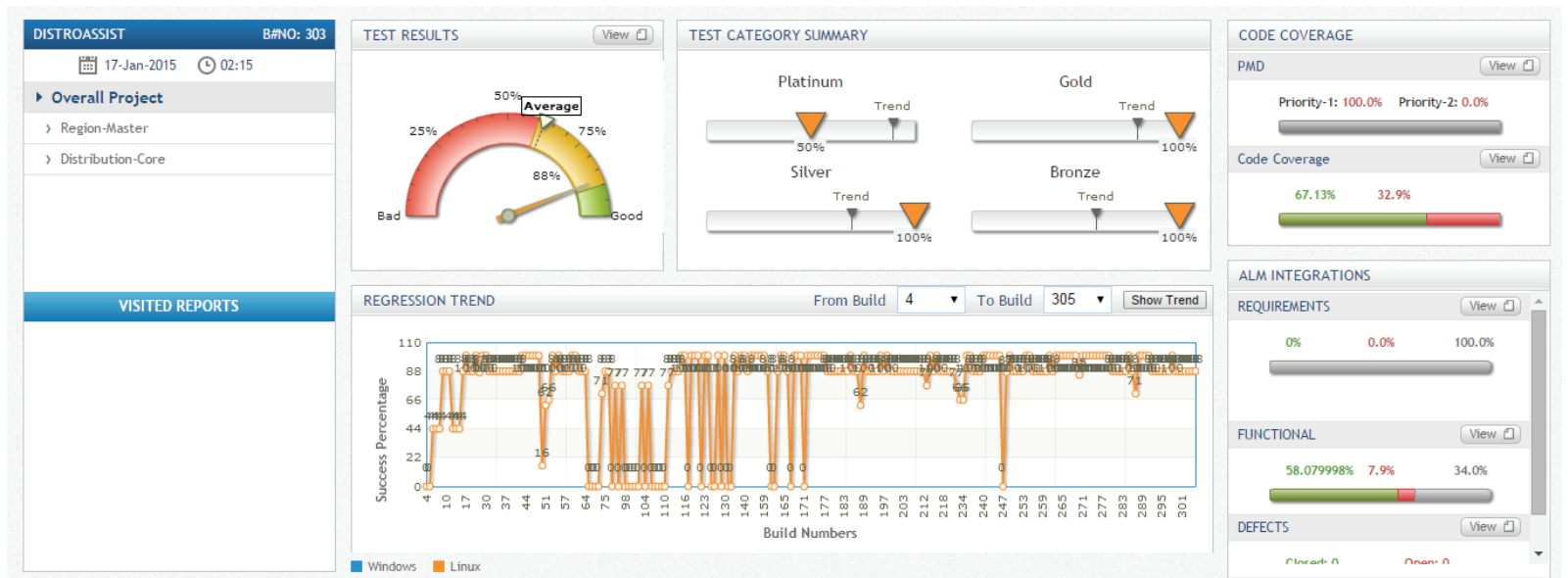
AutoRABIT has built-in adapters for executing various types of functional test automation tools such as Selenium, QTP, etc., so that the detailed reports can be generated out-of-the box. There is an option to “create a ticket” for every test case that has failed. The context of the test failure like exception details, etc., will be automatically provided to the ticket and can be logged straight into the ALM system such as JIRA and Redmine, if configured with the respective AutoRABIT project.

Success Report Summary | Total Tests = 54 | Tests Passed = 48 | Success % = 88.89%

Package Name	Class Name	Test Case	Desc..	Test Type	Browser	Category
com.techrains.Distributor.SalesExecutive	DistributorSalesExecutiveRegTest	testa2add		selenium	Chrome	Platinum
com.techrains.Distributor.SalesExecutive	DistributorSalesExecutiveRegTest	testa3salesExecutive		selenium	Chrome	Platinum
com.techrains.Distributor.SalesExecutive	DistributorSalesExecutiveRegTest	testLogout		selenium	Chrome	Platinum
com.techrains.Distributor.SalesExecutive	DistributorSalesExecutiveRegTest	testa2add		selenium	Chrome	Platinum
com.techrains.Distributor.SalesExecutive	DistributorSalesExecutiveRegTest	testa3salesExecutive		selenium	Chrome	Platinum
com.techrains.Distributor.SalesExecutive	DistributorSalesExecutiveRegTest	testLogout		selenium	Chrome	Platinum
com.techrains.Distributor.SalesExecutive	DistributorSalesExecutiveRegTest	testa2add		selenium	Chrome	Platinum
com.techrains.Distributor.SalesExecutive	DistributorSalesExecutiveRegTest	testa3salesExecutive		selenium	Chrome	Platinum
com.techrains.Distributor.SalesExecutive	DistributorSalesExecutiveRegTest	testLogout		selenium	Chrome	Platinum
com.techrains.Distributor.SalesExecutive	DistributorSalesExecutiveRegTest	testa2add		selenium	Chrome	Platinum
com.techrains.Distributor.SalesExecutive	DistributorSalesExecutiveRegTest	testa3salesExecutive		selenium	Chrome	Platinum

ALM Aggregated Project Dashboard

ALM aggregated project dashboard is one of the most powerful and most used features of AutoRABIT. Project Dashboard enables development teams discuss all the open items in the team – be it the requirements, the list of blockers logged in the previous day's integration testing, the automated results or the results of the functional test run from the test case management as uploaded by the QA team. All the results are aggregated in the ALM dashboard, thus making AutoRABIT work like a thorough team system, enabling the team stand-ups to be all the more effective.



Code Coverage Report

AutoRABIT generates Code Coverage Report, with details about Apex Class Coverage; Test Coverage with details about warnings and failures. The tests that can be run in the AutoRABIT cycle are also configurable.

Class Coverage		Test Coverage		Project: distroassist Build No: 304 Overall Coverage: 67.13% Total Time: 0.115 mins.	
Name	Type	Lines Covered	Lines Not Covered	Coverage Percentage	Warning Message
triggerOnProduct	Trigger	0	0	0.00	✖
CommunitiesLoginController	Class	5	0	100.00	✔
ProjectsListofControler	Class	58	7	89.23	✔
DashboardController	Class	218	10	95.61	✔
triggerOnRegion	Trigger	0	0	0.00	✖
MyProfilePageController	Class	37	5	88.10	✔
sforgRegController	Class	186	21	89.86	✔
CommunitiesSelfRegConfirmController	Class	1	0	100.00	✔
MyTwitterRegHandler	Class	0	51	0.00	✖
metadataDiffController	Class	72	11	86.75	✔
XMLDom	Class	74	55	57.36	✖
SalesforceOrganizationListController	Class	89	10	89.90	✔
TestReportPageController	Class	73	5	93.59	✔
SiteLoginController	Class	6	0	100.00	✔

AutoRABIT's advanced data loader has many additional features that make it better and easier to use than the traditional data loader.

Advantages of Data Loader Pro:

- ✔ Cloud-based data loader with scheduling capabilities
- ✔ Web-based tool, so there are no issues of platform dependencies
- ✔ Supports Circular References
- ✔ Objects are extracted from source sandbox and transferred to the destination in a single step
- ✔ Data Integrity Check: Checks for data integrity between source and destination
- ✔ Error Reporting: Detailed reporting of any failure at the time of data loader operation
- ✔ History of Data Loading Operations: The results are available as history so that you can view the results in the future
- ✔ Supports Owner ID transfer
- ✔ Supports user lookup transfer
- ✔ Supports chatter data migration
- ✔ Parent-child relationship is preserved.

Sandbox Management

- ✔ Synchronizes the records in source sandbox with that of the records in the target sandbox.
- ✔ Keeps the corresponding records of those present in the source sandbox and deletes the remaining records from the target sandbox.
- ✔ All the records that will be deleted from target sandbox will be displayed during the operation and you have an option to unselect some of the records if you find them necessary to be present in the target sandbox.



www.autorabit.com | info@autorabit.com



5700, Stoneridge Mall Rd. Suite# 370, Pleasanton, CA 94588, USA, Phone:+1 925 500 1004

© 2016. All rights reserved. This Case Study and its contents are the copyright of AutoRABIT Inc. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the publisher/author, except in the case of brief quotations and certain other non-commercial uses permitted by copyright law. Any re-distribution or reproduction of part or all of the contents in any form is prohibited. For permission requests, write to the publisher/author at the given address.