



Force.com Integrations

(DEV502)

Force.com Integrations covers the key elements of how to design and build all types of integrations with the Force.com cloud platform. The first day touches on the major methods of integration with Force.com and demonstrates multiple techniques for those methods. In the remaining days, participants explore the specifics of each technology that plays a role in integrating with the platform, such as Force.com Web services, sites, and portals.

Note: To get the most out of this course, you should be comfortable writing object-oriented code.

Who should take this course?

This course is ideal for independent software vendors (ISVs), customer developers, and system integrators wishing to learn how to design and build integrations with Force.com cloud platform applications.

Prerequisites

It is not necessary to be a Force.com developer to take this course; however, we recommend that participants be familiar with the Force.com platform and proficient in an object-oriented programming language such as Java or C#.

What you will learn

By the end of this course, you'll be able to:

- Identify various integration techniques
- Develop integration methods for integrating with Force.com
- Identify the advantages of various integration techniques
- Integrate with Force.com Web services
- Build custom Web services
- Build Force.com sites and portals

Duration

Classroom – 3 days

Delivery Format

Classroom

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Faun Clark Langston
Global Applications Manager
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Course Outline: Force.com Integrations (DEV502)

Topic	Objective
Day 1 Topics	<ul style="list-style-type: none"> • Force.com & the Force.com developer network • Integration services • Mashups, including custom links, Web tabs, & cloud toolkits • Native desktop connectors • Custom-built solutions, including the API and SOAP, mass batch data loading, near real-time integration, & Force.com SOA & callouts • The Force.com data loader, the free prebuilt API client, & information about when to use the data loader vs. build/buy • Middleware/AppExchange solutions, including advantages & connectivity via the Web services API • Call center integration & multichannel integration (e.g., chat, email) • Single sign-on integration & architecture options • Web site integration with Force.com sites, portals, and salesforce.com's ideas
Day 2 Topics	<ul style="list-style-type: none"> • Characteristics of the Web services API, including SOAP, WSDL, SSL standards, security models, & a typical API client architecture • Nouns, verbs, & standards • SOQL & SOSL • Development steps, including creating a project, generating proxy classes, & custom development • Working within the API constraints • Debugging & testing • Working with the partner WSDL • Additional API techniques such as multi-threading, concurrent sessions, & the wrapper class • Working with the bulk API for mass data loading • Using the Force.com data loader as an integration client & including the data loader in architecture • Introduction to Force.com code & custom Force.com Web services
Day 3 Topics	<ul style="list-style-type: none"> • Force.com SOA, including accessing external Web services, generating from the WSDL button, & remote Force.com site settings • Force.com code callouts • Creating a salesforce.com email inbox • Declarative integration features, such as outbound messaging & Salesforce to Salesforce • Sites, portals, & ideas integration, including an introduction to Force.com pages & a Force.com sites overview <p>The course culminates in a design workshop, group discussion, and description of where to locate further information and resources.</p>



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DS_DEV502_2010-09-15