

## DEV 501

### Visualforce, Apex, and DaaS

**Duration**

5 days

**Delivery Format**

Classroom

**Certification**

DEV 501 prepares you to take the Salesforce.com Certified Force.com Advanced Developer exam. The exam is included in the price of the course.



**Visualforce, Apex, and DaaS** is perfect for developers who want a deep dive into Force.com capabilities to build and deploy Force.com applications. This hands-on course covers Visualforce, the Apex programming language, and development as a service (DaaS), which provides a rich development environment, team development and debugging best practices, and powerful deployment capabilities.

**Who Should Take this Course?**

This course is ideal for those familiar with the declarative capabilities of the Force.com platform who want to expand into Apex and Visualforce and to understand the capabilities of the development-as-a-service (DaaS) offering.

**Note:** This course prepares you to take the Salesforce.com Certified Force.com Advanced Developer exam. The exam is included in the price of the course.

**Prerequisites**

It is recommended, but not required, that participants complete **DEV 401 Force.com Essentials** and/or become a Certified Force.com Developer before attending this class.

**What You Will Learn**

When you complete the course, you will be able to use the capabilities of the Force.com platform to develop or extend software-as-a-service (SaaS) applications:

- ⚡ Compare and contrast various Force.com resources
- ⚡ Develop a custom user interface
- ⚡ Develop custom Apex code
- ⚡ Use the Force.com IDE to manipulate org configurations, use team-based development techniques with version control, and use Code Share
- ⚡ Use the Force.com Sandbox testing environment

**REGISTER ONLINE:** Check available classes at [www.salesforce.com/uk/training](http://www.salesforce.com/uk/training).

To speak with a training & certification expert, contact your local salesforce.com office or call +353 1 4403333

“I have certifications from various vendors, but a Force.com certification would outweigh them all. I’ve been waiting for this.”

— Doyle Moody  
Salesforce.com Administrator  
Schumacher Group

**Course Outline: DEV 501 Visualforce, Apex, and DaaS**

**Development as a Service (DaaS)**

- ⌘ Compare DaaS with App Builder for managing multiteam and multiproject development initiatives
- ⌘ Set up the Force.com development environment with the Force.com IDE
- ⌘ Use the Force.com IDE schema browser to set up org configurations and test SOQL and SOSL queries
- ⌘ Use the Force.com IDE to deploy org configurations from one environment to another
- ⌘ Set up team-based development techniques by integrating the Force.com IDE into a version control system
- ⌘ Use Code Share to open projects from source control, check and modify files, and merge file changes back into a repository
- ⌘ Manage multiteam and multiproject development initiatives with Force.com
- ⌘ Analyze usage of Sandbox environments in development projects

**Visualforce Pages**

- ⌘ Learn about the capabilities of the Visualforce framework
- ⌘ Incorporate Visualforce pages into Salesforce
- ⌘ Construct expression bindings and incorporate Salesforce into Visualforce pages with Visualforce tags
- ⌘ Use Visualforce tags to create page layouts, input forms, output tables, custom components, and more
- ⌘ Create partial page refreshes on JavaScript events
- ⌘ Learn about the functionality that comes with Visualforce standard controllers
- ⌘ Find out when to move to Apex for creating custom controllers or extensions

**Apex**

- ⌘ Learn about Apex features compared to other programming languages
- ⌘ Learn about use cases for which Apex is a good solution
- ⌘ Learn about Apex access modifiers
- ⌘ Learn about available Apex object types
- ⌘ Learn about types of collections
- ⌘ Learn the syntax for including SOQL queries within Apex
- ⌘ Write SOQL for loops to handle bulk data
- ⌘ Learn about the two types of DML statements
- ⌘ Use limit statements
- ⌘ Learn about the Save execution order and when “before” and “after” Apex triggers fire
- ⌘ Learn about the types of governor limits and contexts
- ⌘ Code Apex triggers to handle bulk data
- ⌘ Create a unit test for a previous class, using assertion methods, and run a test
- ⌘ Write a Web services class
- ⌘ Consume an external WSDL and access it through Apex
- ⌘ Learn the arguments to send an email from Apex
- ⌘ Create a Salesforce email domain and code a class to consume email

**Visualforce Controllers**

- ⌘ Explore the functionality of each Visualforce standard controller
- ⌘ Code custom controllers and extensions
- ⌘ Use testing, debugging, and deploying controllers capabilities
- ⌘ Learn the basics of testing controllers vs. regular Apex classes

REGISTER ONLINE: Check available classes at [www.salesforce.com/training](http://www.salesforce.com/training). To speak with a training & certification expert, contact your local salesforce.com office or call +353 1 4403333



**Corporate Headquarters**  
The Landmark @ One Market  
Suite 300  
San Francisco, CA, 94105  
United States

1-800-NO-SOFTWARE  
[www.salesforce.com](http://www.salesforce.com)

**Latin America**  
+52-55-9171-1857

**Japan**  
+81-3-5785-8301

**Asia/Pacific**  
+65-6302-5700

**Europe, Middle East & Africa**  
+4121-6953700