



# **Salesforce Integration**

## **Certification Training**

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## About the Program

Intellipaat's Salesforce Integration training will help you master various concepts such as SOAP, APIs, REST, Salesforce Lightning, Salesforce account sign-up, CSS style and HTML, Lightning functions, conditional statements, value providers, event handling, building Lightning applications, etc. In this Salesforce Integration certification, you will gain hands-on experience in various technologies by engaging in several real-life projects in the domains of finance, e-commerce, banking, entertainment, etc. Get the best online Salesforce Integration course from top Salesforce Developers.

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## About Intellipaat

Intellipaat is one of the leading e-learning training providers with more than 600,000 learners across 55+ countries. We are on a mission to democratize education as we believe that everyone has the right to quality education.

Our courses are delivered by subject matter experts from top MNCs, and our world-class pedagogy enables learners to quickly learn difficult topics in no time. Our 24/7 technical support and career services will help them jump-start their careers in their dream companies.



# Key Features



**08 HRS INSTRUCTOR-LED  
TRAINING**



**08 HRS SELF-PACED TRAINING**



**16 HRS REAL-TIME  
PROJECT WORK**



**LIFETIME ACCESS**



**24/7 TECHNICAL SUPPORT**



**INDUSTRY-RECOGNIZED  
CERTIFICATION**



**JOB ASSISTANCE THROUGH  
80+ CORPORATE TIE-UPS**



**FLEXIBLE SCHEDULING**

# Career Support



## SESSIONS WITH INDUSTRY MENTORS

Attend sessions from top industry experts and get guidance on how to boost your career growth



## MOCK INTERVIEWS

Mock interviews to make you prepare for cracking interviews by top employers



## GUARANTEED INTERVIEWS & JOB SUPPORT

Get interviewed by our 400+ hiring partners



## RESUME PREPARATION

Get assistance in creating a world-class resume from our career services team



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## Why take up this course?

- Salesforce is the number one CRM tool available in the market today
- A Salesforce Consultant can earn an average salary of US\$114,000 per year
- Global enterprise application market to reach US\$213.43 billion by 2020 – Allied Market Research

Salesforce professionals are in huge demand around the world due to the dominance that Salesforce commands among CRM and other applications in the enterprise setup.

Intellipaat's training in Salesforce Apex Integration will give you complete knowledge of integrating Salesforce with callouts to external services through the right APIs like SOAP and REST. Mastering these Apex integration skills can help you take your career to the next level.

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## Who should take up this course?

Software and App Developers, CRM Professionals, System Admins, and those looking for a career in Salesforce

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# Program Curriculum

## Salesforce Apex Integration Course Content

### REST

Introduction to the REST API, Apex callout to an external service, sending an HTTP request, HTTP callout using REST with JSON, downloading Eclipse and configuring customized IDE, Force.com plug-in to integrate with Eclipse, deploying the OAuth protocol, authenticating using OAuth before making the REST API calls, creating a connected app, specifying the app general information, Apex REST support for JSON and XML formats, defining variables of the user-defined type, creating URL, posting HTTP, parsing JSON response, and executing the code

### SOAP

#### 1. SOAP API

Introduction to SOAP API, web services software that is available over the Internet using standardized XML message, deploying SOAP API to integrate Force.com applications to create, retrieve, update, or delete records, two types of WSDL: Enterprise WSDL and Partner WSDL, the entire process overview, the syntax, web service class, the process of authenticating the information, consuming external web service in Apex, parsing WSDL, and remote site settings before making an external site callout

#### 2. Visualforce Page

Introduction to Visualforce page, the component-based UI framework for Force.com platform, building the connection for applications with custom web service classes, testing the connection, getting the SessionID to custom class, and calling the method to perform the required task

### SALESFORCE LIGHTNING

Salesforce Lightning collection of tools and technologies, modern user interface for speed optimization, Lightning Experience, building reusable components to customize Lightning Experience, and Salesforce1 Mobile App

### SALESFORCE1 LIGHTNING PROCESS BUILDER

Introduction to Salesforce1, action layouts for Salesforce1, Lightning Process Builder, creating a process using visual layout, creating the whole process rather than using multiple workflow rules, and the process for working together in one UI for different users

## **SALESFORCE ACCOUNT SIGN-UP**

Two types of free accounts, lifetime free developer account, 30-day trial production account, understanding how to sign up for the lifetime free developer account, and account creation at <https://developer.force.com>

## **SALESFORCE DOMAIN SIGN-UP**

Creation of custom domain in Salesforce, defining of custom domain name for the organization at <https://<myDomain>.lightning.force.com>, testing the domain, the event-driven Lightning framework, Aura Framework, deploying the domain, using Developer Console, and creating Lightning components

## **USING HTML & CSS STYLE**

Using CSS and HTML for styling Lightning components, referencing components in the Lightning app, creating a CSS file in Developer Console, linking to Lightning components, and uploading the external style sheet to the static resource

## **COMPONENT ATTRIBUTES**

What are attributes? Member variables in Apex Class, typed fields on a specific instance of a component, referencing from within a component's markup using expression syntax, making components dynamic with attributes, and using the `aura:attribute>` tag to add attributes to a component or an app

## **LIGHTNING FUNCTIONS**

Understanding client-side controller, defining functions, binding to components, passing values to functions and other JavaScript-based operations, defining attributes in an application, and referencing components in the application

## **COMPOSITION OF COMPONENTS**

Creating fine-grained components in larger components, fitting components together, creating simple components such as `c:LC` and `c:LC2`, and creating a wrapper component, `c:wrappercomp`, containing simple components

## **CONDITIONAL STATEMENTS**



The IF Else conditional statement, aura:if and isTrue expressions, and instantiating components in either its body or the Else attribute

## **VALUE PROVIDERS**

Accessing data using value providers, encapsulating related values together, and value providers for components v (view) and c (controller)

## **OUT-OF-THE-BOX COMPONENTS**

Using out-of-the-box components for Salesforce1, Lightning Experience, Lightning apps, components belonging to different namespaces, Aura, Force, force Chatter, forceCommunity, Lightning design system styling, Lightning namespace components, and user interface

## **COMMON UI & UI NAMESPACE**

Understanding common UI, using aura:component, UI components such as ui:input and ui:output, easy handling of the common UI, and component styling and extension

## **UI COMPONENT DYNAMIC UPDATE**

Dynamically updating UI components, JavaScript controller actions for firing events in the Lightning component framework, and event declaration using the aura:event tag in a .evt resource

## **EVENT HANDLING**

Event-driven programming using JavaScript, Java Swing, the component event and the application event, and writing handlers in JavaScript controller actions

## **SERVER-SIDE CONTROLLER**

Creating a server-side controller in Apex, @Aura Enabled annotation, annotation to enable client and server-side access to the controlled method, and calling a server-side controller action from a client-side controller

## **HANDS-ON EXAMPLE OF THE SERVER-SIDE CONTROLLER**

A real example of deploying a server-side controller by pulling data from the Opportunity object, creating a client-side controller to invoke the server-side controller, and passing the returned value to components

## **BUILDING LIGHTNING APPLICATION**

Building a contact management app on the Lightning framework, uploading a CSS file and uploading it to static resource for referencing in the application, creating contact controller Apex class, pulling data from the contact and returning the list of contacts, and designing a user interface by using HTML and CSS classes provided in the Bootstrap style sheet

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## Project Work

### Salesforce Apex Integration Project

**Project:** Calling the Method to Perform the Required Operation in Salesforce

**Topics:** In this project, you will use the SOAP API for calling a function, getting external service with Apex callout, calling the method, creating a new account, creating an instance of the class, saving it, calling the method from other org, adding more functionality such as calculations, adding triggers, etc., and variables for successful SOAP integration.

# Certification

After the completion of the course, you will get a certificate from IntelliPaat.



## CERTIFICATE OF COMPLETION

This certificate is awarded to

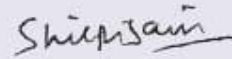
Your Name

Who has successfully completed

**Course Name**

Fulfilling all the requirements stipulated by IntelliPaat to achieve professional excellence.

Issued Date: Month XX, XXXX



Mrs. Shilpi Jain  
Director,  
intellipaate Software Solutions Pvt. Ltd.

VERIFIED  
CERTIFICATE

Certificate ID #94658291

## Success Stories



### **Kevin K Wada**

Thank you very much for your top-class service. A special mention should be made for your patience in listening to my queries and giving me a solution, which was exactly what I was looking for. I am giving you a 10 on 10!



### **Sampson Basoah**

The Intellipaate team helped me in selecting the perfect course that suits my profile. The whole course was practically oriented, and the trainers were always ready to answer any question. I found this course to be impactful. Thank you.



### **Sugandha Sinha**

Intellipaate's course instructors were excellent and well-versed with their concepts. The support team solved all my queries within the promised 24 hours. They explained all topics and concepts well, and the course material was updated and included videos, exercises, etc. I would highly recommend Intellipaate to those who wish to excel in the IT field.



### **Vishal Pentakota**

The best part of this course was the series of hands-on demonstrations that the trainer performed. Not only did he explain each concept theoretically, but he also implemented all those concepts practically. Great job! A must go for beginners.

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# CONTACT US

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If you have any further queries or just want to have a conversation with us, then do call us.

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