

2015

# Cloud Syllabus

force.com platform

This document contains the detailed syllabus of Salesforce that is cloud ..It has three parts firstly database ,secondly visual force and thirdly Apex.



**Topic 1: Introducing the Force.com Platform**

- The Basics of an App.....
- Tabs.....
- Forms.....
- Links.....
- The Benefits of a Force.com Platform App.....
- Data-Centric Apps.....
- Collaborative Apps.....
- The Technologies behind a Force.com Platform App.....
- A Multitenant Architecture.....
- A Metadata-Driven Development Model.....
- Apex.....
- Visual force.....
- The AppExchange Directory.....

**Topic 2 Reviewing Database Concepts**

- What's a Database.....?
- What's in a Database.....?
- What's a Relational Database.....?

**Topic 3: Building a Simple App**

- Introducing Apps
- Defining an App.....
- Introducing Objects.....
- The Position Custom Object.....
- Defining the Position Custom Object.....
- Introducing Tabs.....

**Topic 4: Advanced Fields, Data Validation and Page Layouts**

- Adding Advanced Fields.....
- Introducing Pick lists.....
- Introducing Field Dependencies.....
- Introducing Custom Formula Fields.....
- Introducing Validation Rules.....
- Introducing Page Layouts.....
- Becoming Familiar with the Page Layout Editor.....
- Grouping Fields into a New Section.....
- Adding Spaces between Fields.....
- Editing Field Properties.....

**Topic 5: Relationships**

- Introducing Relationships.....
- Introducing Relationship Custom Fields.....
- Introducing Roll-Up Summary Fields.....
- Layouts.....
- Creating a Many-to-Many Relationship.....
- Customizing Related Lists in a Many-to-Many Relationship.....

**Topic 6: Securing and Sharing Data**

- Controlling Access to Data in Our App.....
- Controlling Access to Objects.....
- Introducing Profiles.....
- Standard Profiles.....
- Creating More Profiles.....
- Controlling Access to Fields.....
- Introducing Field-Level Security.....
- Controlling Access to Records.....
- Introducing Organization-Wide Defaults.....
- Introducing Role Hierarchies.....
- Table of Contents
- Introducing Sharing Rules.....
- Introducing Manual Sharing.....
- Displaying Field Values and Page Layouts According to Profiles.....
- Creating Record Types.....
- Sharing with Object-Level Permissions.....
- Group.....

**Topic 7: Using Custom Workflow and Approval Processes**

- Introducing Workflow.....
- Introducing Workflow Rules.....
- Introducing Workflow Actions: Tasks, Field Updates, and Alerts.....
- Introducing Queues.....
- Creating a Workflow Rule That Updates Fields.....
- Introducing Time-Dependent Workflow Actions.....
- Creating a Workflow Rule That Sends Email Alerts.....
- Introducing Email Templates.....
- Introducing Approvals.....
- Creating Approval Steps.....
- Creating Approval Actions.....
- Activating Our Approval Process.....

**Topic 9: Analyzing Data with Reports and Dashboards**

- Introducing Reports.....
- Report Formats.....
- Creating a Summary Report.....
- Creating a Matrix Report with Custom Field Summaries,
- Introducing Dashboards.....
- Adding Dashboard Components.....
- Introducing Custom Report Types.....

# Visual Force

## Topic 10: Introducing Visual force

- What is a Visual force Page.....?
- Visual force Markup language.....
- Where Can Visual force Pages Be Used.....
- How is Visual force architected.....?
- What are the Benefits of Visual force.....?
- When Should I Use Visual force.....?

### **Standard Controllers**

- Associating a Standard Controller with a Visual force Page.....
- Accessing Data with a Standard Controller.....
- Using Standard Controller Actions.....
- Validation Rules and Standard Controllers.....
- Styling Pages that Use Standard Controllers.....
- Checking for Object Accessibility.....

### **Standard List Controllers**

- Associating a Standard List Controller with a Visual force Page.....
- Accessing Data with List Controllers.....
- Using Standard List Controller Actions.....
- Pagination with a List Controller.....
- Using List Views with Standard List Controllers.....
- Editing Records with List Controllers.....

### **Custom Controllers and Controller Extensions**

- What are Custom Controllers and Controller Extensions.....?
- Custom List Controller.....
- Controller Methods.....
- Order of Execution in a Visual force Page.....
- Testing Custom Controllers and Controller Extensions.....
- Validation Rules and Custom Controllers.....
- Using the transient Keyword.....

# Data loading tool

## Topic 11: Apex data loader

- Using the data loader
- How to use security token in data loader
- Setting up the data loader
- Import data into sales force
- Export data into sales force

**Apex Code**

**Topic 12: Introducing Force.com Apex Code**

- What is Apex.....?
- How Does Apex Work.....?
- What is the Apex Development Process.....?
- When Should I Use Apex.....?
- What are the Limitations of Apex.....?
- What's New.....?
- Conventions.....
- Understanding Apex Core Concepts.....
- Writing Your First Apex Script.....
- SOQL and SOSL Queries.....

**Topic 13: Invoking Apex**

- Triggers.....
- Bulk Triggers.....
- Trigger Syntax.....
- Trigger Context Variables.....
- Defining Triggers.....
- Triggers and Merge Statements.....
- Triggers and Recovered Records.....
- Triggers and Order of Execution.....
- Operations That Do Not Invoke Triggers.....
- Fields that Cannot Be Updated by Triggers.....

**Topic 14: Testing Apex**

- Understanding Testing in Apex.....?
- Why Test Apex.....?
- What to Test in Apex.....
- Unit Testing Apex.....
- Using the runAs Method.....
- Using Limits, startTest, and stopTest.....
- Adding SOSL Queries to Unit Tests.....
- Running Unit Test

**Topic 15: Dynamic Apex**

- Understanding Apex Describe Information.....
- Dynamic SOQL.....
- Dynamic SOSL.....
- Dynamic DML.....

**Topic 16: Batch Apex**

- Using Batch Apex
- Understanding Apex Managed Sharing.....
- Understanding Sharing.....
- Recalculating Apex Managed Sharing.....

**Topic 17: Debugging Apex**

- Understanding the Debug Log.....
- Using the System Log Console.....
- Debugging Apex API Calls.....
- Handling Uncaught Exceptions.....
- Understanding Execution Governors and Limits.....

INCLUDING PROJECT(these things are implemented in project )

Confidential