

# Salesforce Certified Admin and App Builder

## Lesson 16—Lightning Components



# What You'll Learn

- Installing Lightning Components
- Lightning Component Capabilities
- Comparing Lightning Components with Visualforce




# Installing Lightning Components





Remember the following points when installing Lightning Components:


- Components are found on the AppExchange.
- Components are free or paid.
- User can view popular or purpose-specific components.
- Each component is rated for mobile devices, tablets, or desktops.


 COMPONENT


Device Support







 App Builder

 Upgradeable

## Multi-View Calendar

Lightning component which displays a simple calendar

★★★★★ (3)

Free - *Details below*

OVERVIEW

DETAILS

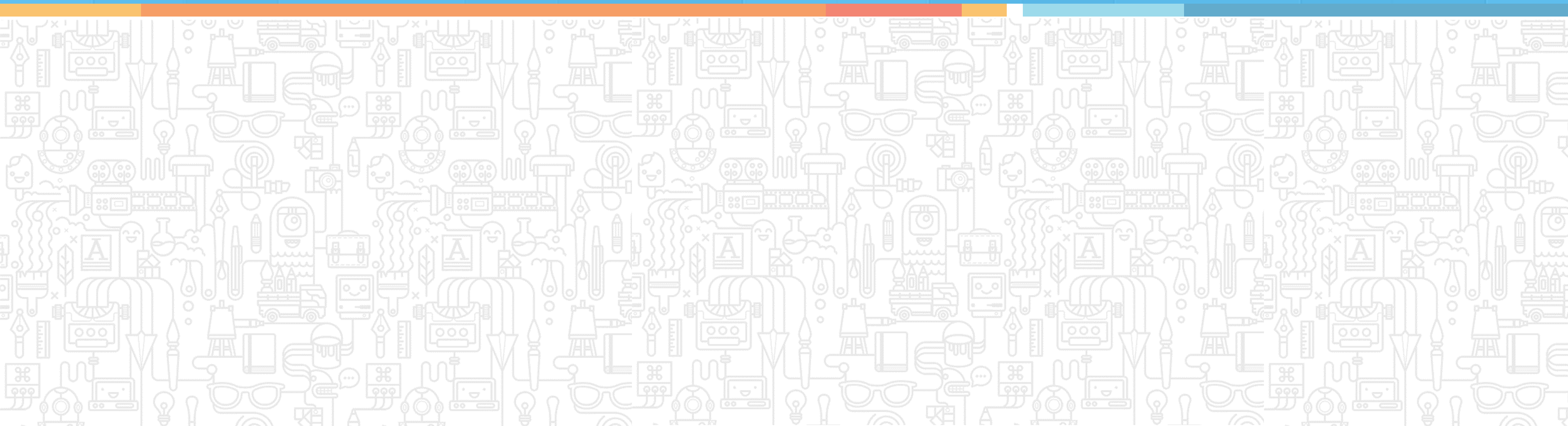
REVIEWS 3

PROVIDER

♥ Save

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# Lightning Component Capabilities



Keep in mind the following points:

- Components are effective for managing and visualizing data, such as report graphs and charts.
- Feeds can be displayed from Chatter or other updates in Salesforce.
- Components are great productivity enhancers, with shortcuts and action buttons.
- Components are used by salespeople to quickly create leads in Salesforce1.



Categories ▲

Data Management

Data Visualization

Feeds

Finance

Productivity

Sales

Time & Date



# Lightning Components vs. Visualforce



Lightning Components	Visualforce
Components are pre-created packages of code that generally perform one specific task.	Visualforce is written in apex and starts with a blank canvas.
Components can be installed and set up quickly by a non-technical user.	Functionality must be created by a developer, along with appropriate test coverage.

## PACKAGE DETAILS: ?

Name: Dealmaker Opportunity Healthcheck

Version: Dealmaker Opportunity Healthcheck / 1.30.0

Type: Managed Package

## SALESFORCE EDITIONS

Enterprise, Unlimited, Force.com, Developer, Performance





## QUIZ 1

Which of the following is a common characteristic of Lightning Components?

- a. Quickly display charted data via an installed package
- b. Utilizing apex programming
- c. Not available on the AppExchange
- d. Starts with a blank canvas



## QUIZ 1

Which of the following is a common characteristic of Lightning Components?

- a. Quickly display charted data via an installed package
- b. Utilizing apex programming
- c. Not available on the AppExchange
- d. Starts with a blank canvas



The correct answer is **a**.

**Lightning Components can quickly display data in a charted manner via an installed package.**

## QUIZ 2

Which of the following is a characteristic of Visualforce?

- a. Installed via a package
- b. Mobile-compatible out of the box
- c. Created using Apex programming
- d. No programming knowledge required



## QUIZ 2

Which of the following is a characteristic of Visualforce?

- a. Installed via a package
- b. Mobile-compatible out of the box
- c. Created using Apex programming
- d. No programming knowledge required



The correct answer is **c**.

**Visualforce starts with a blank canvas requiring a programmer to write apex code to create functionality.**

## QUIZ 3

Which item is available on the AppExchange?

- a. Visualforce Package
- b. Apex Package
- c. Lightning Components
- d. Lightning Apex





## QUIZ 3

Which item is available on the AppExchange?

- a. Visualforce Package
- b. Apex Package
- c. Lightning Components
- d. Lightning Apex



The correct answer is **c**.

**Lightning Components can be installed from the AppExchange.**

## QUIZ 4

Which feature of Salesforce requires a developer?

- a. Lightning Components
- b. Visualforce Development
- c. Lightning Security Updates
- d. Visualforce Viewing



## QUIZ 4

Which feature of Salesforce requires a developer?

- a. Lightning Components
- b. Visualforce Development
- c. Lightning Security Updates
- d. Visualforce Viewing



The correct answer is **b**.

**Visualforce requires a developer.**

## QUIZ 5

Where can Lightning Components be found?

- a. Eclipse
- b. Production
- c. Sandbox
- d. AppExchange



## QUIZ 5

Where can Lightning Components be found?

- a. Eclipse
- b. Production
- c. Sandbox
- d. AppExchange



The correct answer is **d**.

**Lightning Components are found and installed from the AppExchange.**



## Case Study



Scenario

Analysis

Solution

United Containers needs a faster way to view contact hierarchies in Salesforce. The parent record functionality in Salesforce does not provide a way that is fast enough for salespeople to understand roles within a customer's organization. Moreover, no developer is available to write custom code, such as Visualforce. This is causing problems because understanding who reports to whom in an account is critical to upselling.

*Click **Analysis** to know the team's next move.*

Scenario

Analysis

Solution

United Containers decided to install a Lightning Component to solve this problem:

1. Lightning Components do not require the services of a developer.
2. The AppExchange offers several different options for viewing hierarchies.
3. The solution needs to be mobile-ready.

*Click **Solution** to know the company's decision.*

Scenario

Analysis

Solution

United Containers took the following steps to install a Lightning Component:

1. Logged on to the AppExchange.
2. Searched for a Lightning Component for viewing hierarchies.
3. Installed the Lightning Component and granted access to users.

## Key Takeaways

- Lightning Components offer a fast way to add functionality to Salesforce.
- Lightning Components do not require the use of a developer.
- Visualforce requires custom development through a developer.



This concludes 'Lightning Components.'

The next Lesson is 'Role Hierarchy.'