

Salesforce Certified Admin and App Builder

Lesson 14—Application Lifecycle



What You'll Learn

- Key milestones throughout the application lifecycle
- Differences in Salesforce Sandboxes
- How to use the various Change Sets
- Use cases for unmanaged packages



Key Milestones and Considerations



Remember the following points regarding milestones and considerations:

- Typical milestones include discovery, analysis, build, testing, and deployment.
- Milestones may occur rapidly or over a long period of time.
- The discovery, analysis, build, and testing milestones should take place in the sandbox.
- Change sets should be used for deployments.

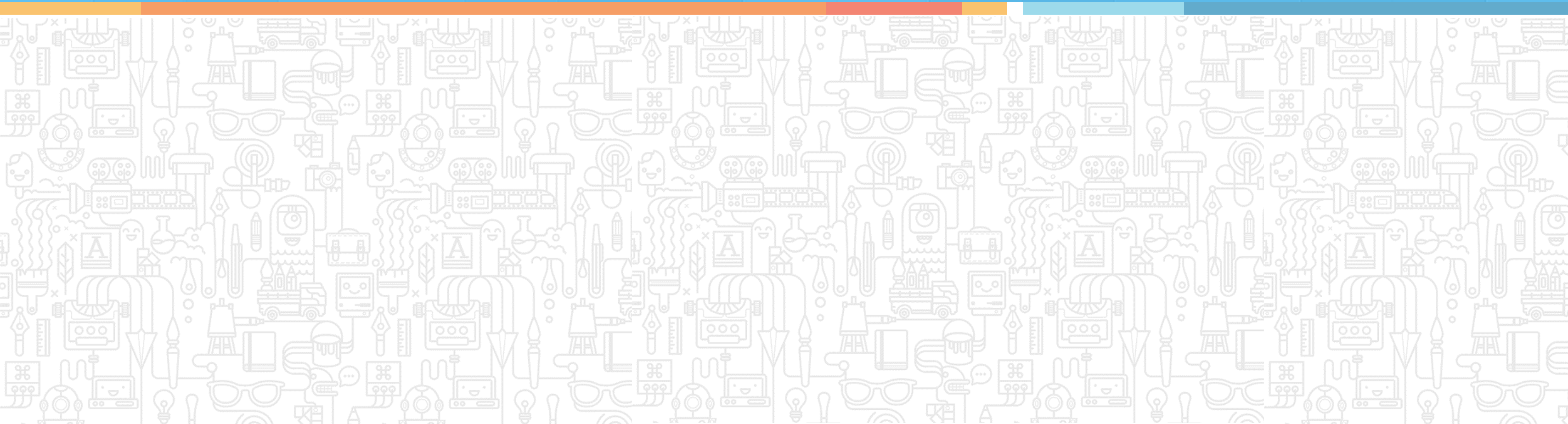
- Deploy Apex classes and triggers developed in sandbox to production
- Apply changes from other environments to this organization, such as new objects and fields
- When planning to deploy on a schedule, validate pending changes ahead of time

Cloud Creations, Inc.
(Production)
This Organization



Connected Organizations

Using Sandboxes for Development



Keep in mind the following points regarding Sandboxes:

- They provide a copy of the configuration and code, and in some cases data of the production org.
- Application development should start in the sandbox and be tested prior to deployment.
- The sandbox is an isolated environment for application builders to make changes and test out ideas.

Available Sandbox Licenses

Developer

24 Available (1 in use)

Developer Pro

0 Available (0 in use)

Using Change Sets



Keep in mind the following points about Change Sets:

- Change Sets are used to group together customization and configuration for deployment to production.
- Change Sets can contain almost all forms of customization, except for a few areas such as Salesforce Sites and some security areas.
- Change Sets are deployed fairly quickly, typically within 30 minutes of upload, download, and validation.

Deployed Change Sets		
Action	Change Set Name	Status
Delete	<u>Time Card - Info - 15th Oct 2015</u>	Deployed

Using Unmanaged Packages



Remember the following about using unmanaged packages:

- Packages are similar to Change Sets, but can be used in many different Salesforce Orgs.
- Packages are put together and uploaded.
- A download URL is used to install a package into any Salesforce Org that supports them.
- Packages are listed on the AppExchange and represented as Products.

Package Detail

Edit

Delete

Upload

Package Name	Administration Package	Type	Unmanaged
Language	English		
Notify on Apex Error			
Created By	<u>Justin Davis</u> , 7/2/2015 5:23 PM		



QUIZ

1

Why are packages used?

- a. For deploying code to Production
- b. For deploying code to Sandbox
- c. For deploying code to a different Salesforce Org
- d. For testing customizations



QUIZ

1

Why are packages used?

- a. For deploying code to Production
- b. For deploying code to Sandbox
- c. For deploying code to a different Salesforce Org
- d. For testing customizations



The correct answer is **c**.

Packages are generally used to create products that are deployed into many different Salesforce orgs, rather than just one.

QUIZ 2

When are Change Sets used?

- a. To deploy code from Sandbox to Production
- b. To deploy code from Production to Production
- c. To create Products on the AppExchange
- d. To document components in an application



QUIZ 2

When are Change Sets used?

- a. To deploy code from Sandbox to Production
- b. To deploy code from Production to Production
- c. To create Products on the AppExchange
- d. To document components in an application



The correct answer is **a**.

Change Sets are used to deploy code from Sandbox to Production to migrate functionality created by application builders.

QUIZ 3

What are the milestones of the application lifecycle?

- a. Discovery, Analysis, Build, Testing, and Deployment
- b. Discovery, Documentation, Customization, Training, and Deployment
- c. Analysis, Discovery, Build, Training, and Deployment
- d. Discovery, Build, Customization, Testing, and Deployment



QUIZ 3

What are the milestones of the application lifecycle?

- a. Discovery, Analysis, Build, Testing, and Deployment
- b. Discovery, Documentation, Customization, Training, and Deployment
- c. Analysis, Discovery, Build, Training, and Deployment
- d. Discovery, Build, Customization, Testing, and Deployment



The correct answer is **a**.

The milestones of application lifecycle are Discovery, Analysis, Build, Testing, and Deployment.

QUIZ 4

Which of the following components cannot be added to a package?

- a. Profiles
- b. Custom Objects
- c. Salesforce Sites
- d. Report and Dashboards



QUIZ 4

Which of the following components cannot be added to a package?

- a. Profiles
- b. Custom Objects
- c. Salesforce Sites
- d. Report and Dashboards



The correct answer is **c**.

You cannot include Salesforce Sites into a package. The receiving Salesforce org will need to enable Sites if there is site-related functionality.

QUIZ 5

What cannot be added to a Change Set?

- a. Roles
- b. Profiles
- c. Reports
- d. List Views



QUIZ 5

What cannot be added to a Change Set?

- a. Roles
- b. Profiles
- c. Reports
- d. List Views



The correct answer is **a**.

Roles are not compatible with Change Sets and cannot be added.



Case Study

Scenario

Analysis

Solution

United Containers is having a difficult time tracking candidates who apply for the open positions. United Containers, is a global company with branches over 100 locations, which use different Salesforce orgs due to language and time zone differences. One of their offices in Los Angeles created a custom human resources application for their Salesforce org. However, they want to share it with the other branches of the company.

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

Scenario

Analysis

Solution

United Containers decided to create an unmanaged package to share with the rest of the organization for the following reasons:

1. An unmanaged package is self-contained and has all the features of the original application.
2. Deployment is quick and easy for non-technical system administrators.
3. An App Builder can create the package without using any code or developer tools.

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

Scenario

Analysis

Solution

United Containers took the following steps to create an unmanaged package:

1. Logged into Salesforce, clicked on Create.
2. Clicked on Packages, and named the package.
3. Began adding components to the package for the HR application.
4. Uploaded the package and shared the URL with the other branch locations.

Key Takeaways

- Deploying Salesforce applications has a unique process
- Change sets allow for fast configuration deployments
- Sandboxes should be utilized for testing



This concludes 'Application Lifecycles.'

The next lesson is 'Help and Training.'