

# Salesforce Certified Admin and App Builder

## Lesson 13—Change Sets and Deployment



## What You'll Learn

- Comparing inbound and outbound change sets
- Adjusting deployment settings
- Verifying deployment status
- Setting up and using Eclipse



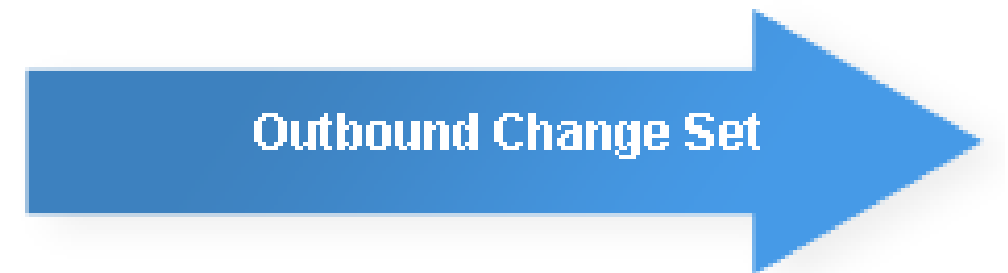
# Outbound Change Sets



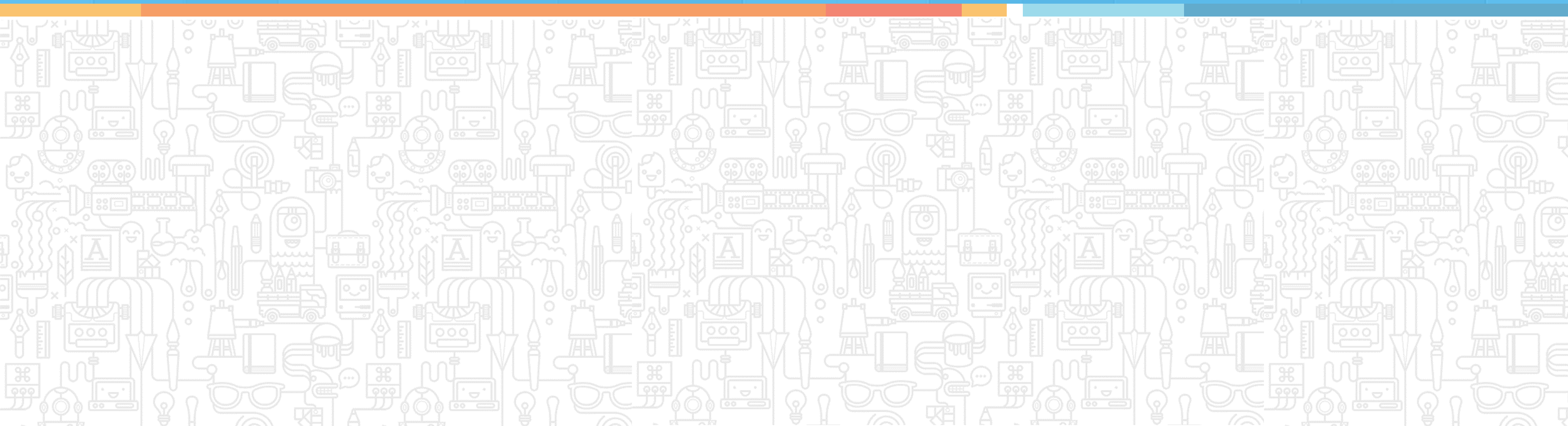
Keep in mind the following points:

- Outbound change sets are used to push components from the Sandbox to Production.
- Change set must be created with all necessary items.
- Make sure declarative setup items such as fields are included.

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# Inbound Change Sets



Remember the following points:

- Receive components from another Salesforce org, such as apex classes, fields, and Visualforce pages.
- Validate prior to deployment to ensure a minimum number of errors.
- Deploy on a schedule to reduce downtime or issues with active users.

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# Deployment Settings



Key points regarding deployment settings:

- Salesforce allows one deployment at a time.
- Deployment Settings offer an option for multiple deployments at once.
- Keep in mind limits or contradicting apex.

## Deployment Options

- ☒ Allow deployments of components when corresponding Apex jobs are pending or in progress.  
Caution: Enabling this option may cause Apex jobs to fail.





# Deployment Status



Remember the following as it pertains to the Deployment Status area:

- Monitor deployment statuses, package IDs, and date or time.
- View deployed components and apex test results.
- Useful for administrators who want to stay informed of deployment progress.

## Succeeded

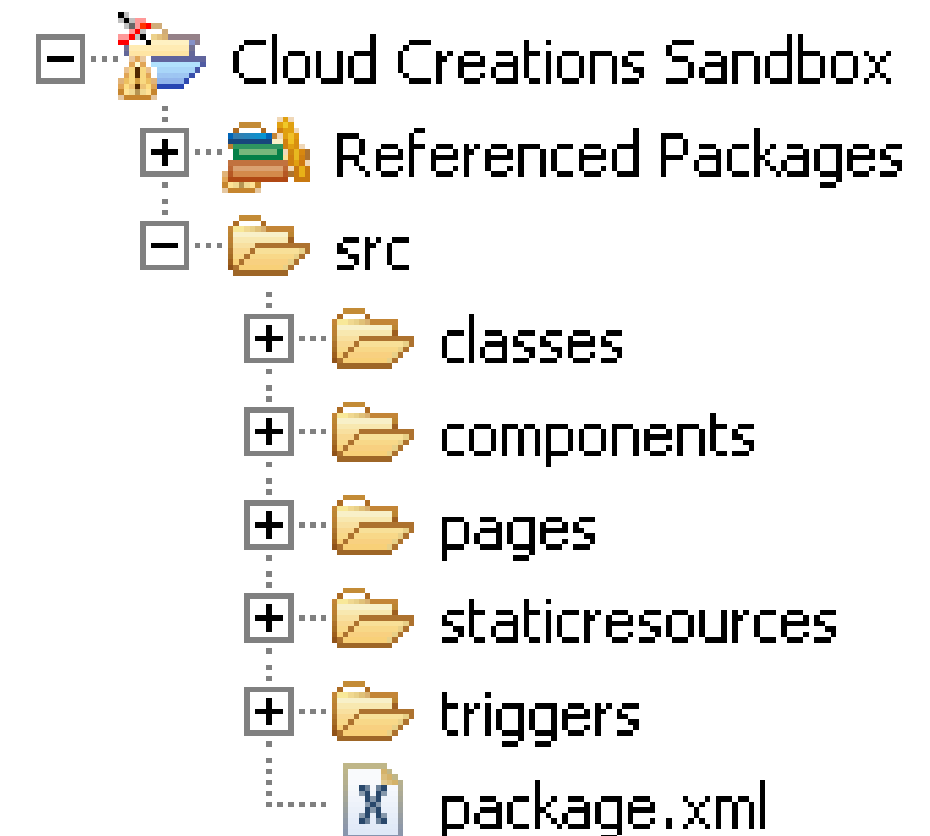
Action	Name	Status	Date
<a href="#">View Details</a>	0Afj000000TheNg	 Deploy: Succeeded	1/3/2016 8:00 PM
<a href="#">View Details</a>	0Afj000000TheNW	 Deploy: Succeeded	1/3/2016 7:28 PM

# Eclipse IDE



Remember the following key points regarding Eclipse:

- Eclipse is an open-sourced, Integrated Development Environment or IDE.
- It is primarily a tool for developers to write code.
- It can be used for deployments instead of change sets.





## QUIZ

## 1

What is the primary purpose of outbound change sets?

- a. Move data from sandbox to production
- b. Update the role hierarchy
- c. Enable Eclipse
- d. Move customizations from sandbox to production





## QUIZ

## 1

What is the primary purpose of outbound change sets?

- a. Move data from sandbox to production
- b. Update the role hierarchy
- c. Enable Eclipse
- d. Move customizations from sandbox to production



The correct answer is **d**.

**The primary purpose of outbound change sets is to move customizations from sandbox to production.**

## QUIZ 2

What is the primary purpose for an inbound change set in Salesforce?

- a. Receive customizations and changes from the Salesforce sandbox
- b. Perform a data migration
- c. Setup Users
- d. Monitor Eclipse deployments



## QUIZ 2

What is the primary purpose for an inbound change set in Salesforce?

- a. Receive customizations and changes from the Salesforce sandbox
- b. Perform a data migration
- c. Setup Users
- d. Monitor Eclipse deployments



The correct answer is **a**.

**The primary purpose of inbound change sets is to receive customizations.**

## QUIZ 3

What is the primary purpose of Eclipse?

- a. Create a change set
- b. Creating reports
- c. Write code in the apex programming language
- d. Update security



## QUIZ 3

What is the primary purpose of Eclipse?

- a. Create a change set
- b. Creating reports
- c. Write code in the apex programming language
- d. Update security



The correct answer is **c**.

**The primary purpose of Eclipse is for developers to write code.**

## QUIZ 4

What is the purpose of the Deployment Settings option?

- a. Allow for multiple deployments to happen at once
- b. Restrict deployments to one at a time
- c. Restrict Eclipse from deploying customizations
- d. Enable change sets





## QUIZ 4

What is the purpose of the Deployment Settings option?

- a. Allow for multiple deployments to happen at once
- b. Restrict deployments to one at a time
- c. Restrict Eclipse from deploying customizations
- d. Enable change sets



The correct answer is **a**.

**Deployment Settings, when enabled, allows for multiple deployments to happen at once.**

## QUIZ 5

What can be found on the Deployment Status page?

- a. List of change sets
- b. Create a package
- c. Status of successful and failed deployments
- d. Status of only successful deployments



## QUIZ 5

What can be found on the Deployment Status page?

- a. List of change sets
- b. Create a package
- c. Status of successful and failed deployments
- d. Status of only successful deployments



The correct answer is **c**.

**The deployment status page shows successful and failed deployments.**



## Case Study

Scenario

Analysis

Solution

United Containers has created a human resources application in a Salesforce sandbox, and now they want to move these changes into Salesforce production. In the past, the admin team would manually recreate all the components from the sandbox into production. This time, however, will prove challenging as there are 500+ components. It's not practical for the team to recreate these manually.

Scenario

Analysis

Solution

United Containers decided to create an Outbound Change Set in the sandbox for the following reasons:

1. Change set can be created to contain all setup items needed.
2. Change set can be validated prior to deployment.
3. Change set can be scheduled for deployment.



Scenario

Analysis

Solution

United Containers took the following steps to create and send the outbound change set:

1. A new change set was created in the sandbox.
2. All the components for the HR application were added to the change set.
3. The change set was uploaded to production.
4. The admin in production tested the change set through the Validate feature.
5. Once validated, the admin deployed the change set.

## Key Takeaways

- Change sets can be used to migrate customizations.
- Eclipse is an advanced tool for developers.
- Deployment statuses can be monitored and verified.



This concludes 'Change Sets and Deployment.'

The next lesson is 'User Interface.'