Best Practices

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Creating a Rollback Script

When you create a custom task script, it is good practice to create a corresponding rollback script. The rollback script undoes whatever change was made in the custom task script. For example, if the custom task creates a resource, the rollback script should remove the resource.

Of course, many rollback scenarios require information about the state of the system before the custom task was executed. The CloupiaScript library contains a `ChangeTracker` API to enable you to reverse the effects of a custom task. Using the `ChangeTracker` API, you create an `UndoableResource` object that collects state information before creating a resource. During rollback, the `UndoableResource` uses this information to restore the resource to its previous state.

The `ChangeTracker` API contains two methods to enable rolling back of modification and deletion of a resource, respectively:

- `ChangeTracker.undoableResourceModified()`

- `ChangeTracker.undoableResourceDeleted()`

For an example of how to use the ChangeTracker API to create a rollback script, see the *Cisco UCS Director CloupiaScript Cookbook* available at the following URL: http://www.cisco.com/c/en/us/support/servers-unified-computing/ucs-director/products-programming-reference-guides-list.html.