



## COPADO CONTINUOUS DELIVERY

**Copado Continuous Delivery** is a feature that allows you to deliver changes to production in a quick, safe, and sustainable way.

### PREREQUISITES

Before setting up Copado Continuous Delivery, make sure that:

- **Change Data Capture** is enabled in your Copado organization for the **User Story** and **Promotion** objects.
- Your user has credentials in the destination environment (or there is a default credential).
- The user deploying to production has a Copado Admin license assigned.

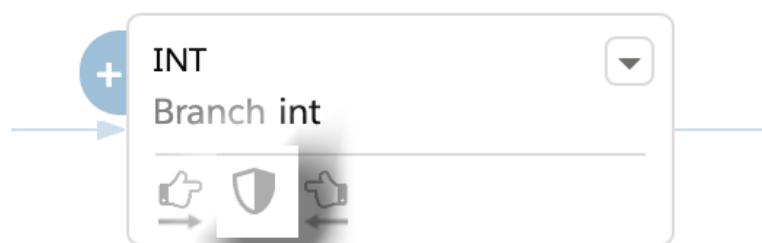
## COPADO CONTINUOUS DELIVERY ELEMENTS

### CONNECTION BEHAVIOR

A **connection behavior** is a template used to define the promotion, back-promotion behaviors, and automations and quality gates that will be applied throughout your DevOps process.

To create a connection behavior follow these steps:

1. Locate and open the Pipeline Manager tab. From the **Pipeline page**, click on **Configure Pipeline** to open the **Pipeline Configuration** page.
2. To create a connection behavior for INT, find the INT environment and click on the shield icon.



3. This will automatically create a pipeline record named **INT Behavior**. Let's edit the record to match our requirements.
4. Scroll down to the **Promotion Details** section and adjust the **Promotion Execution** details.
5. Then, change the **User Story Status After Promotion** field to update the status for all the user stories that reach INT.
6. Next, move to the **Back-Promotion Details** section and set the **Back-Promotion Execution** details.
7. Click on **Save**. Same steps apply for any other connection behavior.

When you create a connection behavior, you are allowed to define the following:

- **Promotion behavior:** Schedule or automate a promotion or execute a manual promotion
- **Back-promotion behavior:** Schedule or automate a back-promotion or execute a manual back-promotion.
- **Automations:** Automations applied to automatically or manually verify that your deployment meets the requirements.

## AUTOMATIONS

An **automation** defines a set of tests that will run as part of a continuous delivery process to ensure quality by identifying failures prior to deploying. The automation allows you to check a particular group of changes to decide whether it should be allowed to be deployed or not.

New Automation

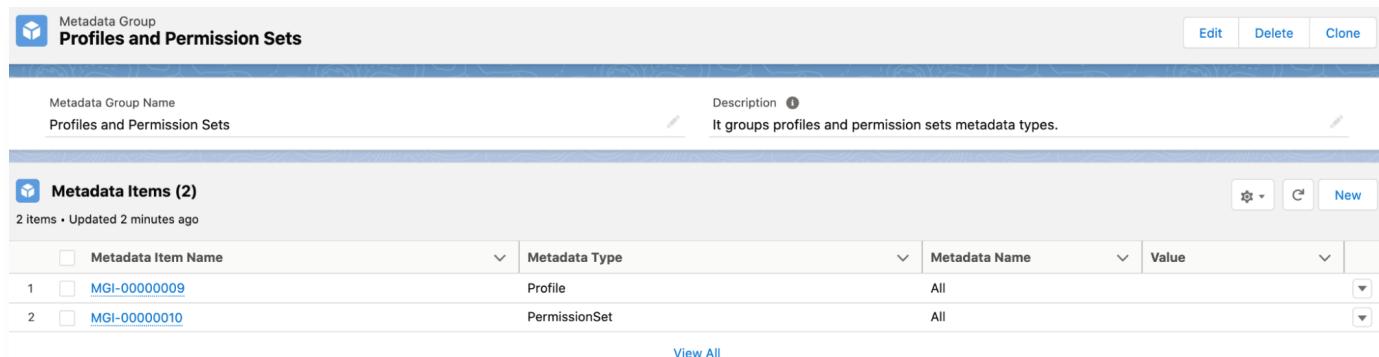
Detail

* Automation Name Code Coverage Validation	* Type Apex Test with Validation
* Metadata Group Apex Code	* Execution Sequence Before
* Apex Test Level Run Specified Tests	* Parent Connection Behavior INT Behavior

Cancel Save & New Save

## METADATA GROUPS

A **metadata group** is a collection of metadata items to which you can apply different automations or quality gates.

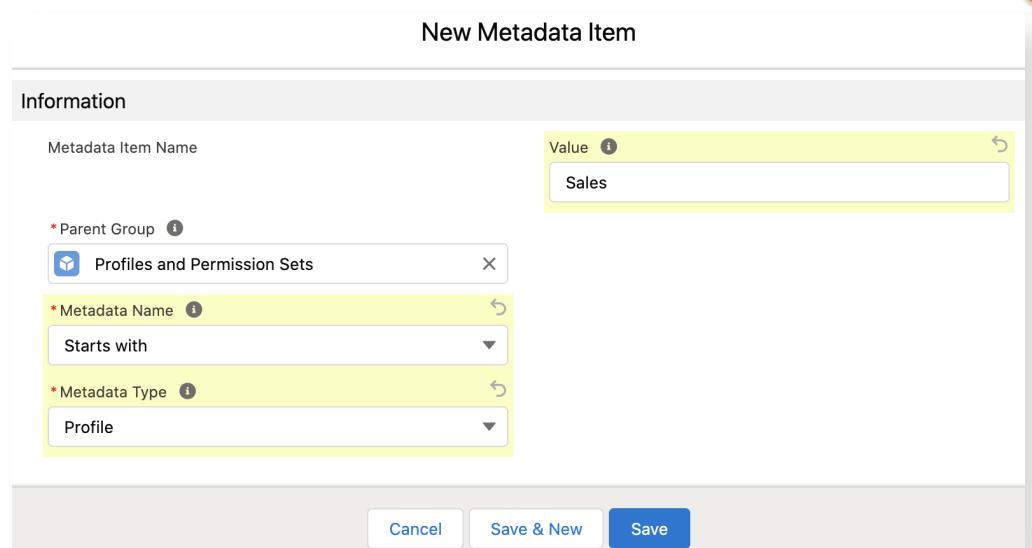


The screenshot shows the Salesforce Metadata Groups interface. A group named "Profiles and Permission Sets" is displayed, containing two items: "MGI-00000009" (Profile) and "MGI-00000010" (PermissionSet). The interface includes a table view with columns for Metadata Item Name, Metadata Type, Metadata Name, and Value.

When you create an automation, you need to specify what metadata will trigger that automation to run. This allows you to run different tests depending on what types of metadata are included in the deployment.

## METADATA ITEMS

A **metadata item** is a representation of a Salesforce metadata type. You can specify whether this includes all metadata of that type or only metadata that matches a particular pattern.



The screenshot shows the "New Metadata Item" dialog. It includes fields for "Metadata Item Name" (Value: Sales), "Parent Group" (Profiles and Permission Sets), "Metadata Name" (Starts with), and "Metadata Type" (Profile). The dialog also features "Cancel", "Save & New", and "Save" buttons.

## WORKFLOW WITH COPADO CONTINUOUS DELIVERY

1. Create Metadata Groups with its respective metadata item that you will later use in your automations.
2. Set up connection behaviors for promotions and back promotions for all environments that are relevant in your pipeline.
3. Configure automations and quality gates for each connection behavior.
4. Once a user story is ready to be deployed, click on the **Submit** button on the **User Story** record to launch the quality gates or automations you have defined, and run the deployment automatically if you have configured your connection behaviors in that way.

