

# Vlocity CMT Administration Jobs

This page originated as instructions for switching a sandbox between the two method available for creating and maintaining Products, Product Relationships, Attribute Categories, and Attributes; switching between the old Salesforce Aloha screens or the new Vlocity Product Console (aka EPC). We now believe there is a need to maintain both simultaneously where some products are maintained under the old method and recent product builds maintained under the new method.

At this time the division is based on the Product Name starting with the letters 'FTTP', though this may change.

The aim now of these instructions is to ensure that within each camp, any Product2 records not having its JSONAttributes field populated is populated appropriately, so both apex jobs will now be required. We also follow the latest recommended practice to perform the these steps any time we import Vlocity product-related data, such as when creating a sandbox environment, or when migrating such data between sandboxes, and before & after any Vlocity Upgrade.

## Instructions:

1. Capture **JSONAttributes beforehand**.
  - a. Go to Products (not Vlocity Products Console) and select view of Vlocity Products.
  - b. Open the first of the FTTP Installation products and note its Product Code as either "TTB\_PRD\_INSTLLTN\_APPNTMT" or "TTB\_PRD\_INSTLLTN".
  - c. For both, save a copy of the JSONAttributes field to a file for use later.
2. Launch (in a new tab) the Salesforce Setup screen and search for "Apex Jobs". If there are **BC\_Batch1 jobs** running then take a look at [https://talktalkbusiness--c.eu16.visual.force.com/apex/BC\\_BulkChecker1](https://talktalkbusiness--c.eu16.visual.force.com/apex/BC_BulkChecker1), where you can use the 3rd tab to Pause jobs sat at Holding and pause those Processing but with a lot of batches still to do. Revisit this page later and scroll to the bottom and Resume those you Paused.
3. Vlocity CMT Admin page-->Maintenance Jobs-->**Clear Managed Platform Cache**.
4. Wait till a green pop-up message confirms the cache has been cleared.
5. Launch Developer Console and go to Debug-->Execute Anonymous Window (Ctrl-E) to pop-up the Enter Apex Code window.
6. Clear the window and enter the following text to run **EPCProductAttribJSONBatchJob** to ensure all Product2 records for structures created by and maintained using the **Vlocity Product Console** (EPC) have their JSONAttributes field populated:

```
List<Id> productIds = new List<Id>();
for (Product2 prod : [ Select Id from Product2 where RecordType.Name = 'Product' and Name like 'FTTP%' ])
{
    productIds.add(prod.Id);
}
Database.executeBatch(new vlocity_cmt.EPCProductAttribJSONBatchJob(productIds), 1);
```

7. Press Execute.
8. Refresh the tab showing the "Apex Jobs" and monitor the job just launched in the All view. Repeat refreshing waiting for the EPCProductAttribJSONBatchJob apex class to complete.
9. Clear the window and enter the following text to run **FixProductAttribJSONBatchJob** to ensure the Product2 records for the structures created by ad maintained using the **Salesforce Classic** (Aloha) screens have their JSONAttributes field populated:

```
Id batchJobId = Database.executeBatch(new vlocity_cmt.FixProductAttribJSONBatchJob());
```

10. Press Execute.
11. Refresh the tab showing the "Apex Jobs" and monitor the job just launched in the All view. Repeat refreshing waiting for the FixProductAttribJSONBatchJob apex class to complete.
12. Close the Developer Console.
13. Vlocity CMT Admin page-->Maintenance Jobs-->**Product Hierarchy Maintenance**.
14. Refresh the tab showing the "Apex Jobs" and monitor the job just launched in the All view. Repeat refreshing waiting for both the submissions of the ResolveProductHierarchyBatchJob apex class are completed.
15. Vlocity CMT Admin page-->Maintenance Jobs**Refresh Platform Cache**.
16. Refresh the tab showing the "Apex Jobs" and monitor the job just launched in the All view. Repeat refreshing waiting for the ProductHierarchyBatchProcessor and the ProductAttributesBatchProcessor apex classes are completed.
17. Don't forget to Resume any **BC\_Batch1 jobs** you Paused.
18. Capture **JSONAttributes afterwards**.
  - a. Go to Products (not Vlocity Products Console) and select view of Vlocity Products.
  - b. Open the first of the FTTP Installation products and note its Product Code as either "TTB\_PRD\_INSTLLTN\_APPNTMT" or "TTB\_PRD\_INSTLLTN".

- c. For both, save a copy of the JSONAttributes field to a file.
- d. Open the URL <http://www.jsondiff.com/>
- e. For the product with the Product Code "TTB\_PRD\_INSTLLTN\_APPNTMT", paste the beforehand and afterwards JSON strings into each of the panels and press Compare. Report any differences to the Salesforce Delivery Team.
- f. Repeat for the product with the Product Code "TTB\_PRD\_INSTLLTN".