### Blackbaud CRM™ DEVELOPERS' CONFERENCE



# Marketing Efforts Custom Export Process and Integration with Sales Force Marketing Cloud

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### Marketing Efforts Custom Export Process and Integration with SFMC

- ➤ Why we did it?
- The approach and how we did it (all the needed customizations using SDK)
- ➤ The Integration of the exported data with ExactTarget (SFMC)
- ▶ Demo
- Questions and Contact Info

### Why customize?

#### **Current limitations**

- Advanced users having difficulty in retrieving Giving Summary data based on a complex criteria.
- Performance related issues while applying filters.
- Inhouse built Email builder tool falling apart.

#### Goals

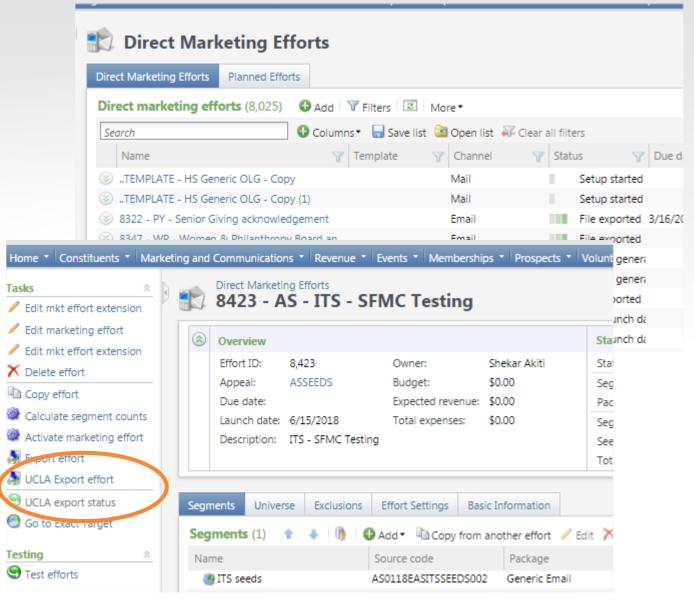
- Main goal is to open up and extend the self-serving ability to our users in creating and using Marketing efforts.
- Limit the dependency on the Data Management team to provide them the necessary Giving Summary data and hence minimizing the turnaround time to get their marketing emails ready.
- Ability to define & refine criteria after review of the extracted data.
- Integration with Sales Force Marketing Cloud.

## Approach Customized UCLA Export process

### **UCLA Export Effort Process**

"UCLA Export Effort"
Customization accessible from the tasks side bar menu.

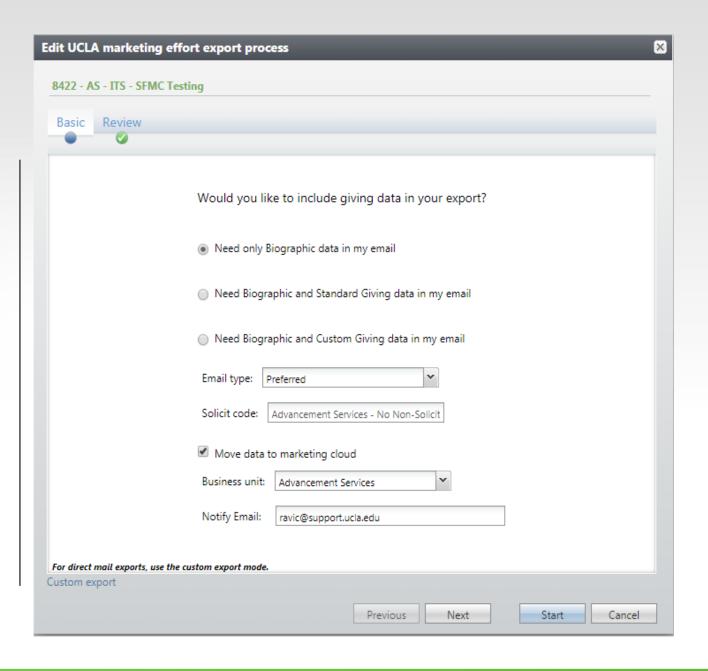
Available for Direct Marketing Efforts.



### **Export Effort Process**

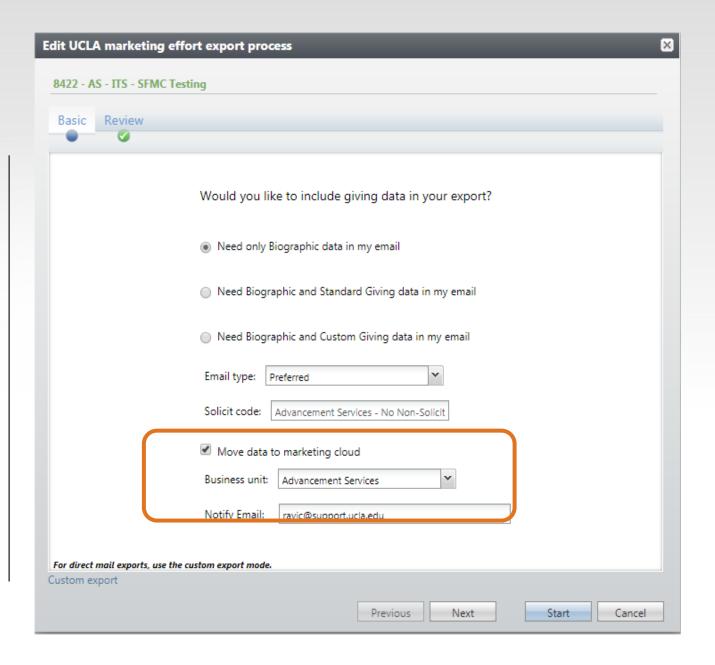
After the users identified their list of constituents to be included in the Extract, they will have the **option** to choose the type of data that they need for that Effort

- Bio Only
- Bio and Standard Giving data
- Bio and Custom Giving Data



### **Export Options**

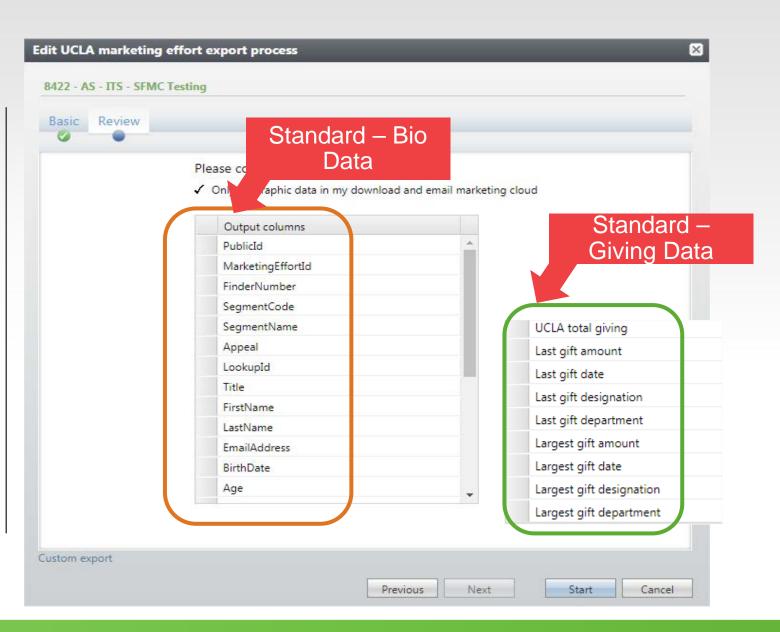
- Extract and send the data to the specific business unit's folder in Sales Force Marketing Cloud.
- Extract the data locally and send it to the ftp location.
- We use a Custom Data list to manage mapping between CRM business unit to Sales Force unit as we have only 5 accounts.



### **Output Data Elements**

Standard output columns based on the type of Extract chosen by the user.

Standard Bio and Giving Data.



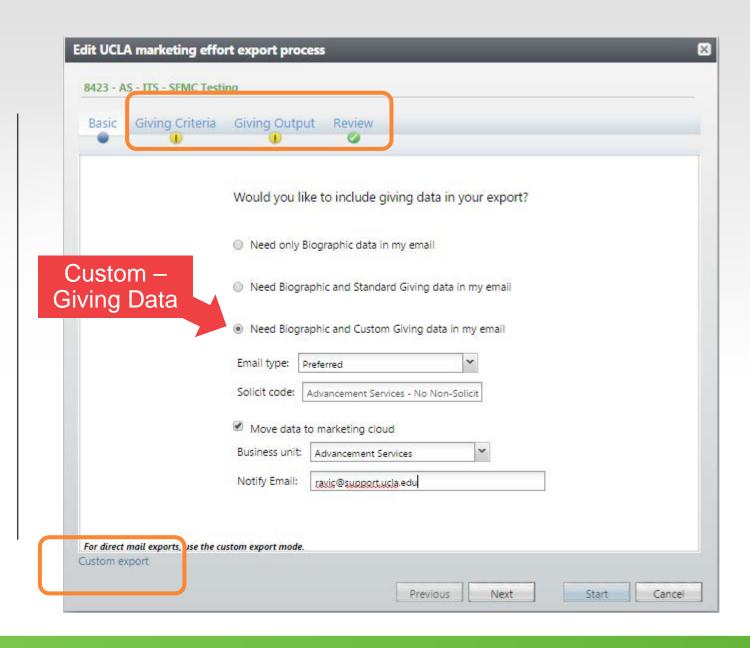
### **Custom Giving Data**

UI allows the ability to define the additional giving related criteria for filtering data.

Custom Giving data output columns based on the criteria set by the user.

Wizard mode – only implemented for Export to Sales Force Marketing Cloud.

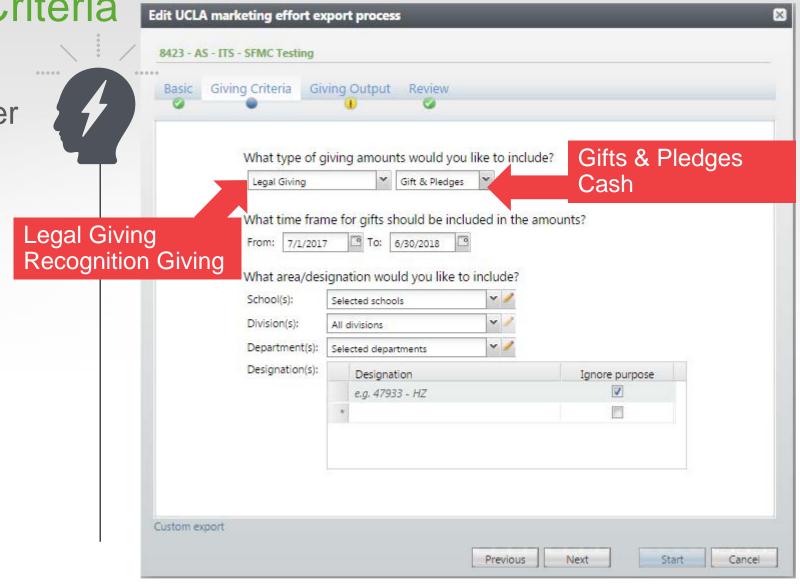
Other exports use "Custom Export" to setup.



Defining the Custom Criteria

Ability to setup criteria and filter the type of data.

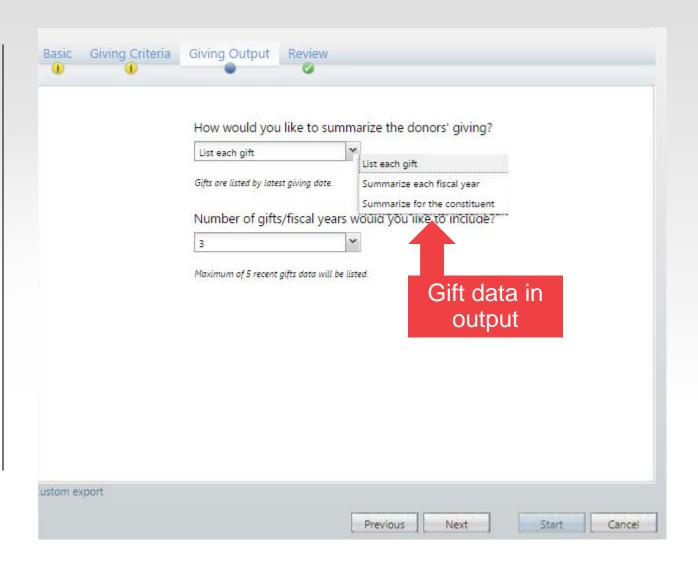
- Legal or Recognition giving
- Cash or "Gifts & Pledges"
- Giving summary between a date range
- Filter by School, Division,
   Department and by a Fund



### Defining Custom Output - Summarized gift data

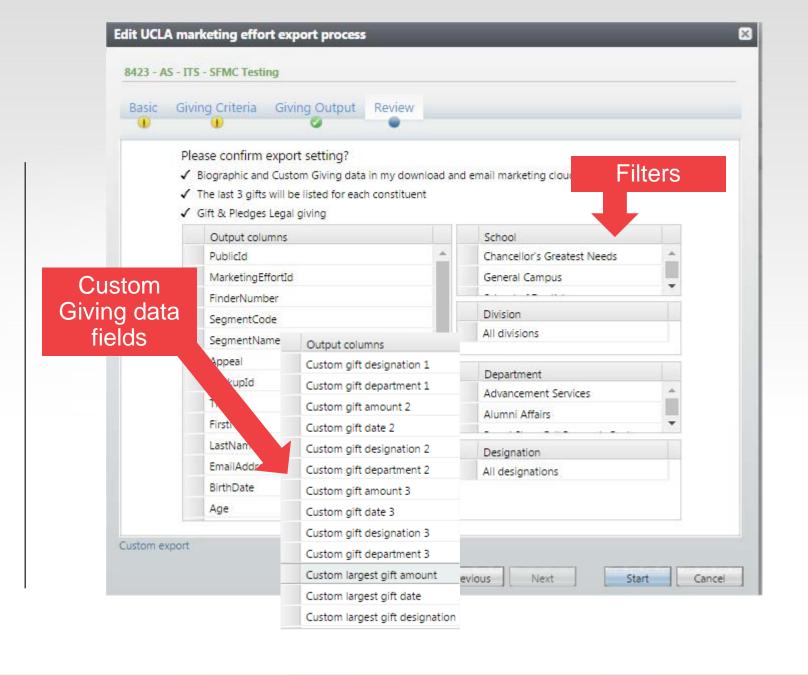
- > List each gift
- By Fiscal Year
- > For the Constituent

Ability to indicate the number of gifts or the Fiscal Years to include in the output.

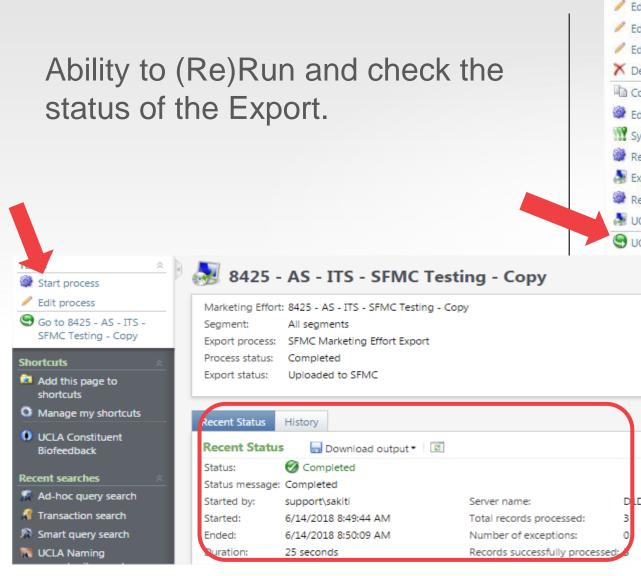


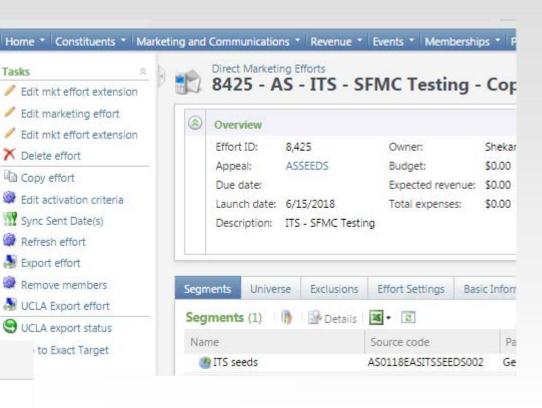
### Review criteria and output columns

Gives a preview of the criteria defined and the output (includes the custom gift summary columns)



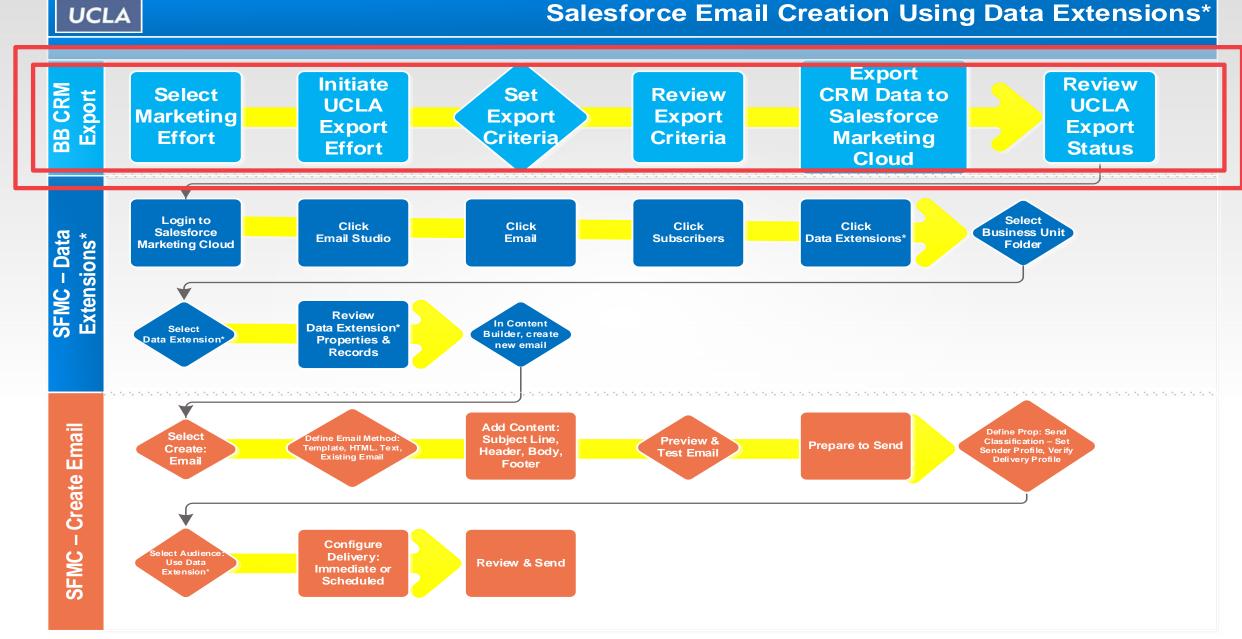






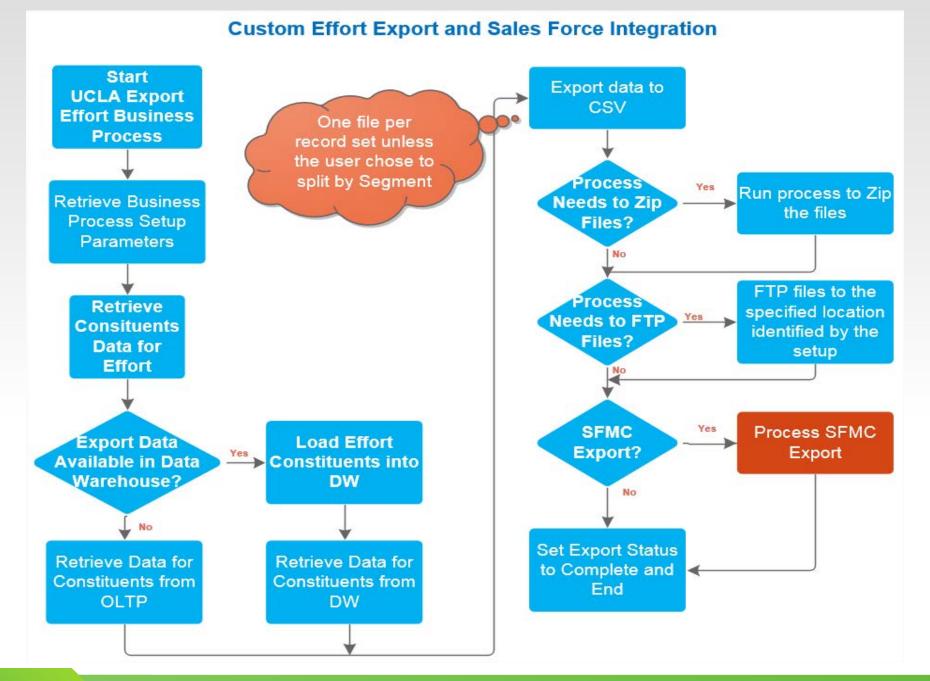
Tasks

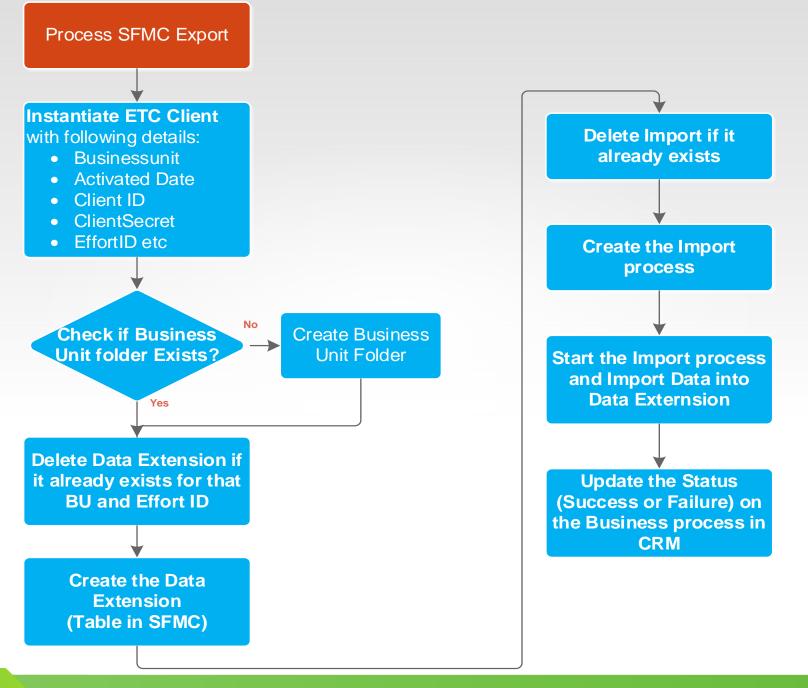
### **CRM – Sales Force Integration**



\*Note: CRM Marketing Effort data is referred to as a Data Extension once imported into Salesforce Marketing Cloud.







### CRM – Salesforce Marketing Cloud Integration

- ➤ Used Salesforce Marketing Cloud Fuel SDK for C#
- >.NET Framework 4.5
- REST APIs and SOAP API available. We used SOAP API.
- ClientID and Client Secret values upon registering your application.
- ➤ Token based access and state management.

```
Dim etClientParameters = New System.Collections.Specialized.NameValueCollection(
    etClientParameters.Add("clientId", clientId)
    etClientParameters.Add("clientSecret", clientSecret)
    etClientParameters.Add("authEndPoint", soapEndPoint)

Try
        client = New ETClient(etClientParameters)

Catch ex As Exception
        Throw New ApplicationException("Error creating SFMC client. Error code: " & End Try

End Sub
```

### CRM – Salesforce Marketing Cloud Integration

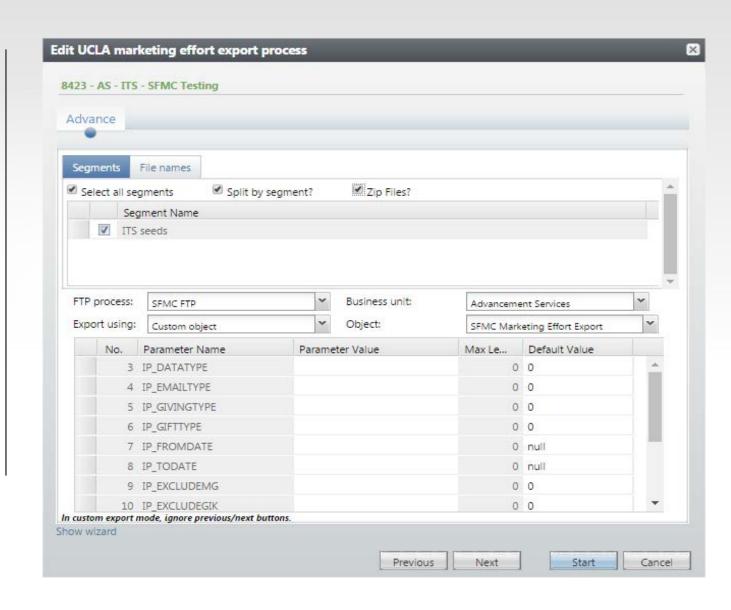
```
Private Function DeleteImport(ByRef client As ETClient, ByVal customerKey As String) As DeleteReturn
       Dim delete = New ETImportDefinition With {.AuthStub = client, .CustomerKey = customerKey}
       Return delete.Delete()
   End Function
   1 reference | sakiti, 49 days ago | 1 author, 1 change
   Private Function CreateImport(ByRef client As ETClient, ByVal email As String, ByVal customerKey As String, ByVal file
       Dim import = New ETImportDefinition With {.AuthStub = client,
            .Name = customerKey,
            .CustomerKey = customerKey,
            .Description = "Automated import",
                                                                              Treference | Sakiu, 40 days ago | Tautiloi, Ttilange
            .AllowErrors = True,
                                                                              Private Function CreateDataExtension(ByRef client As ETClient, ByVal folderId As Integer, ByVal custome
            .DestinationObject = New ETDataExtension With {.ObjectID = dat
                                                                                  Dim de = New ETDataExtension()
            .FieldMappingType = ImportDefinitionFieldMappingType.InferFrom
                                                                                  de.AuthStub = client
                                                                                  de.FolderID = folderId
            .FileSpec = fileName,
                                                                                  de.Name = name
            .FileType = FileType.CSV,
                                                                                  de.CustomerKey = customerKey
            .Notification = New AsyncResponse With { .ResponseType = AsyncR
                                                                                  de.RetainUntil = expires.ToString()
            .RetrieveFileTransferLocation = New FileTransferLocation() Wit
                                                                                  de.DeleteAtEndOfRetentionPeriod = True
            .UpdateType = ImportDefinitionUpdateType.AddAndUpdate,
                                                                                  de.IsSendable = True
            .StandardQuotedStrings = True}
                                                                                  de.IsTestable = False
       Return import.Post()
                                                                                  de.SendableSubscriberField = New ETProfileAttribute With {.Name = "Subscriber Key"}
   End Function
                                                                                  Dim columns = New List(Of ETDataExtensionColumn)()
                                                                                  Dim fieldOrder = 0
                                                                                  For Each dataColumn As DataColumn In metaDataTable.Columns
                                                                                      Dim isPrimaryKey = IsSFMCKey(dataColumn)
                                                                                      Dim isRequired = isPrimaryKey OrElse IsEmailAddress(dataColumn)
                                                                                      Dim column = New ETDataExtensionColumn With {.Name = dataColumn.ColumnName, .FieldType = GetFie
                                                                                      If column.FieldType = DataExtensionFieldType.Decimal Then
                                                                                          column.Precision = 16
                                                                                          column.Scale = 2
                                                                                      End If
2 references | sakiti, 49 days ago | 1 author, 1 change
Private Function StartImport(ByRef client As ETClient, ByVal customerKey As String) As PerformReturn
    Dim import = New ETImportDefinition With {.AuthStub = client, .CustomerKey = customerKey}
    Return import.Start()
End Function
```

### Demo

### **Custom Export**

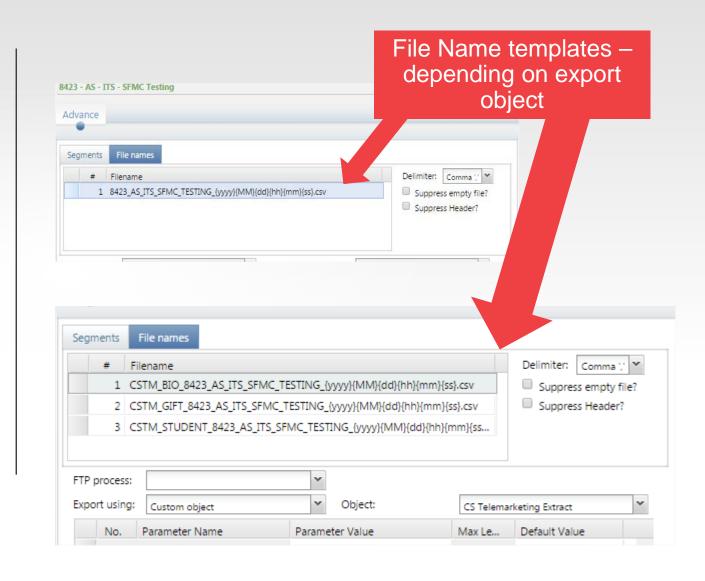
#### Options to choose on any Export:

- Specific segments related data only.
- > Split the output data into separate files by each segment.
- Ability to Zip the files if needed.
- Shows the list of input parameters for that process (stored procedure)



### Custom Export Continued...

- Pre defined file name structure for a given Export – separate files based on the number of output datasets from the stored procedure.
- Type of delimiter used on that extract.
- Option to suppress the header and to suppress an empty file.



## Thank you !!!! Questions?

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