# How to Export and Import Master Category List in Office 365

## Introduction

Currently, Outlook Web App (OWA) does not allow users to export and import Master Category List. But some customers rely on this feature for handling their email messages efficiently. So they need a workaround to mitigate this issue. In this application, we will demonstrate how to export and import Master Category List in O365:

1. Export the Master Category List

a. Get the account(s) you want to export the Master Category List from

b. Get the user configuration of the account(s)

c. Export the Master Category List from the user configuration

2. Import the Master Category List

a. Get the account(s) you want to import the Master Category List into

b. Get the file that stores Master Category List

c. Get the user configuration of the account(s)

d. Import the Master Category List from the file

## Running the Sample

Press F5 to run the sample.

First, use your account to connect the Exchange Online.



1. Export the Master Category List

a. If you have Impersonation permission or you have permission to access the specified accounts, you can export Master Category List from multi accounts.



b. Input the path of folder that will be used to store the Master Category List file.



If you only export Master Category List from one account, you can input the path of file that will be used to store the Master Category List.

2. Import the Master Category List

a. If you have Impersonation permission or you have permission to access the specified accounts, you can import Master Category List into multi accounts.



b. Input the path of folder that contains the Master Category List file.



If you only import Master Category List into one account, you can input the path of file that contains the Master Category List.

## Using the Code

1. Export the Master Category List

a. Get the accounts that you want to export the Master Category List from.

|  |
| --- |
| -Code block start-  --C# code snippet start--  Console.WriteLine("Please input the user identity that you want to export " +  "Master Category List from(or you can directly press Enter to export the list " +  "from current account):");  String inputInfo = Console.ReadLine();  if (!String.IsNullOrWhiteSpace(inputInfo))  {  String[] identities = inputInfo.Split(',');  ..................  foreach (String identity in identities)  {  NameResolutionCollection nameResolutions =  service.ResolveName(identity, ResolveNameSearchLocation.DirectoryOnly, true);  if (nameResolutions.Count != 1)  {  Console.WriteLine("{0} is invalid user identity.", identity);  }  else  {  String emailAddress = nameResolutions[0].Mailbox.Address;  String filePath = GetFilePath(path, identity);  // If our account have Impersonation permission, we can set it.  if (usingImpersonation)  {  service.ImpersonatedUserId =  new ImpersonatedUserId(ConnectingIdType.SmtpAddress, emailAddress);  ExportMasterCategoryListWithImpersonation(service, filePath);  service.ImpersonatedUserId = null;  }  else  {  ExportMasterCategoryListWithoutImpersonation(service, emailAddress, filePath);  }  }  }  }  else  {  words = "Please input the folder or file(.xml) path:";  path = InputPath(words, false, false);  String filePath = GetFilePath(path, currentAddress);  ExportMasterCategoryListWithImpersonation(service, filePath);  }  --C# code snippet end--  --VB code snippet start--  Console.WriteLine("Please input the user identity that you want to export " & "Master Category List from(or you can directly press Enter to export the list " & "from current account):")  Dim inputInfo As String = Console.ReadLine()  If Not String.IsNullOrWhiteSpace(inputInfo) Then  Dim identities() As String = inputInfo.Split(","c)  .....................................................  For Each identity As String In identities  Dim nameResolutions As NameResolutionCollection =  service.ResolveName(identity, ResolveNameSearchLocation.DirectoryOnly, True)  If nameResolutions.Count <> 1 Then  Console.WriteLine("{0} is invalid user identity.", identity)  Else  Dim emailAddress As String = nameResolutions(0).Mailbox.Address  Dim filePath As String = GetFilePath(path, identity)  ' If our account have Impersonation permission, we can set it.  If usingImpersonation Then  service.ImpersonatedUserId =  New ImpersonatedUserId(ConnectingIdType.SmtpAddress, emailAddress)  ExportMasterCategoryListWithImpersonation(service, filePath)  service.ImpersonatedUserId = Nothing  Else  ExportMasterCategoryListWithoutImpersonation(service, emailAddress, filePath)  End If  End If  Next identity  Else  words = "Please input the folder or file(.xml) path:"  path = InputPath(words, False, False)  Dim filePath As String = GetFilePath(path, currentAddress)  ExportMasterCategoryListWithImpersonation(service, filePath)  End If  --VB code snippet end--  -Code block end- |

b. Export the Master Category List from the specified account.

|  |
| --- |
| -Code block start-  --C# code snippet start--  static void ExportMasterCategoryListWithImpersonation(ExchangeService service, String filePath)  {  UserConfiguration userConfiguration =  UserConfiguration.Bind(service, "CategoryList", WellKnownFolderName.Calendar,  UserConfigurationProperties.XmlData);  String categoryListString = UTF8Encoding.UTF8.GetString(userConfiguration.XmlData);  WriteFile(categoryListString, filePath);  }  --C# code snippet end--  --VB code snippet start--  Private Shared Sub ExportMasterCategoryListWithImpersonation(ByVal service As ExchangeService,  ByVal filePath As String)  Dim userConfiguration As UserConfiguration =  userConfiguration.Bind(service, "CategoryList", WellKnownFolderName.Calendar,  UserConfigurationProperties.XmlData)  Dim categoryListString As String = UTF8Encoding.UTF8.GetString(userConfiguration.XmlData)  WriteFile(categoryListString, filePath)  End Sub  --VB code snippet end--  -Code block end- |

2. Import the Master Category List

a. Import the Master Category List into the specified account.

|  |
| --- |
| -Code block start-  --C# code snippet start--  static void ImportMasterCategoryListWithImpersonation(ExchangeService service, String filePath)  {  UserConfiguration userConfiguration = UserConfiguration.Bind(service, "CategoryList", WellKnownFolderName.Calendar, UserConfigurationProperties.XmlData);  String categoryListString = ReadFile(filePath);  Byte[] categoryListBytes = UTF8Encoding.UTF8.GetBytes(categoryListString);  userConfiguration.XmlData = categoryListBytes;  userConfiguration.Update();  }  --C# code snippet end--  --VB code snippet start--  Private Shared Sub ImportMasterCategoryListWithImpersonation(ByVal service As ExchangeService,  ByVal filePath As String)  Dim userConfiguration As UserConfiguration = userConfiguration.Bind(service, "CategoryList",  WellKnownFolderName.Calendar, UserConfigurationProperties.XmlData)  Dim categoryListString As String = ReadFile(filePath)  Dim categoryListBytes() As Byte = UTF8Encoding.UTF8.GetBytes(categoryListString)  userConfiguration.XmlData = categoryListBytes  userConfiguration.Update()  End Sub  --VB code snippet end--  -Code block end- |

## More Information

[EWS Managed API 2.0](http://msdn.microsoft.com/en-us/library/dd633709(v=exchg.80).aspx)

[Working with impersonation by using the EWS Managed API](http://msdn.microsoft.com/en-us/library/dd633680(v=exchg.80).aspx)