

MICROSOFT LABS

JANUARY 30, 2018

DYNAMICS 365 FOR BPO

The Solution is designed to address most of the day to day process functionalities in case management of D365

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Overview

The Dynamics 365 for BPO Solution offers more capabilities to existing case management, in addition to providing additional functionalities, such as:

- Case Escalation
- Placing a case on custom hold status, example: Internal, 3rd Party, and Customer
- Automatically create child cases on 3rd Party Hold status
- Redefine the SLA of a case
- Convert to Case from an incoming email
- Email validations in Case management

All these functionalities are described through this guide with configuration and user experience.

This offering also includes Attachment Management, Actionable Audit, Email Alert, Email Machine Learning and Speech-To-Text. Brief details and links to these solutions are provided at the end of this document.

How to Verify the Solution after Installation

Download the solution from <u>https://appsource.microsoft.com/en-us</u>. The structure should look like below...

Solution:

All Solutions 🗸					1	
💕 New 🛛 🗙 Delete 🛛 📑 I	mport Export 💿 Clone a Patch	Clone Solution	Apply Solution Upgrade	Import Translations	Export Translations	🚯 Get Solutions from Marketplace
More Actions 👻						
Name	Display Name	Version	Installed On ↓ Package Typ	Publisher	Description	
MicrosoftLabsDynamics36	MicrosoftLabs.Dynamics365forBPO	1.0.0.0	11/16/2017 Managed	Dynamics 365		

List of custom entities:

e.	Account	account	Account	Managed	True	Disabled	Business that represents a customer c
ò	Actionable Audit	msdyn_audithistory	msdyn_audithistory	Unmanaged	True	Disabled	
ò	Attachment Process Record	msdyn_attachmentprocess	msdyn_attachmentprocess	Unmanaged	True	Disabled	
•	Azure Blob Storage Settings	msdyn_azureblobstorages	msdyn_azureblobstorages	Unmanaged	True	Disabled	
ò	Business Function	msdyn_businessfunction	msdyn_businessfunction	Unmanaged	True	Disabled	Business Function
×	Case	incident	Incident	Managed	True	Enabled	Service request case associated with a
۵.	Case Sub Type	msdyn_casesubtypelobdep	msdyn_casesubtypelobdep	Unmanaged	True	Disabled	
- Ca	Case Template	msdyn_casetemplateid	msdyn_casetemplateid	Unmanaged	True	Disabled	
۵.	Case Type	msdyn_casetype	msdyn_casetype	Unmanaged	True	Disabled	
A =	Contact	contact	Contact	Managed	True	Disabled	Person with whom a business unit ha
à	Country [ISO]	msdyn_countryiso	msdyn_countryiso	Unmanaged	True	Disabled	http://www.iso.org/iso/country_codes
\sim	Email	email	Email	Managed	True	Disabled	Activity that is delivered using email ;
ò	Email Count	msdyn_emailcounts	msdyn_emailcounts	Unmanaged	True	Disabled	
ò	Escalation Activity	msdyn_escalationactivity	msdyn_escalationactivity	Unmanaged	True	Disabled	This custom entity is used to create a

L@	Escalation Mapping	msdyn_escalationmapping	msdyn_escalationmapping	Unmanaged	True	Disabled	This entity is used to configure the escalation mapping wi.
4	Hold Activity	msdyn_holdactivity	msdyn_holdactivity	Unmanaged	True	Enabled	
۵	Hold Activity Reasons	msdyn_holdactivityreasons	msdyn_holdactivityreasons	Unmanaged	True	Disabled	
ò	Hold Reason	msdyn_holdreason	msdyn_holdreason	Unmanaged	True	Disabled	
ò	Line of Business	msdyn_lineofbusiness	msdyn_lineofbusiness	Unmanaged	True	Disabled	
à	NotesAttachmentEntitySetting	msdyn_notesattachmenten	msdyn_notesattachmenten	Unmanaged	True	Disabled	
à	Out Of SLA Reason	msdyn_outofslareason	msdyn_outofslareason	Unmanaged	True	Disabled	
à	Out Of SLA Sub Reason	msdyn_outofslasubreason	msdyn_outofslasubreason	Unmanaged	True	Disabled	
	Product	product	Product	Managed	True	Disabled	Information about products and their pricing information.
ò	Program	msdyn_program	msdyn_program	Unmanaged	True	Disabled	
à	Reason	msdyn_reasonlobdependent	msdyn_reasonlobdependent	Unmanaged	True	Disabled	
à	Root Cause	msdyn_rootcause	msdyn_rootcause	Unmanaged	True	Disabled	
à	Speech To Text Entity Configuration	msdyn_speechtotextentity	msdyn_speechtotextentity	Unmanaged	True	Disabled	
ò	Speech To Text Global Configuration	msdyn_speechtotextglobal	msdyn_speechtotextglobal	Unmanaged	True	Disabled	
_							
ò	Sub Reason	msdyn_subreasonlobdepe	msdyn_subreasonlobdep	e Unmanaged	True	Disabled	
•	User	systemuser	SystemUser	Managed	True	Disabled	Person with access to the Microsoft CRM system :

List of plug-in assemblies:

MicrosoftLabs.ActionableAudit	1.0.0.0	neutral	2954010b1278a799	Sandbox	10/26/2017 11:3	11/15/2017 3:38
MicrosoftLabs.AttachmentManagement.Plugins	1.0.0.0	neutral	535de8cd49e5d642	Sandbox	10/6/2017 10:40	11/15/2017 3:38
MicrosoftLabs.Dynamics365forBPO	1.0.0.0	neutral	d7d4abb0e59c025f	Sandbox	11/16/2017 2:20	11/16/2017 2:20
MicrosoftLabs.EmailAlert	1.0.0.0	neutral	ce5e78260a69a84d	Sandbox	10/26/2017 11:3	11/15/2017 3:38
MicrosoftLabs.EmailTextAnalytics.Workflow	1.0.0.0	neutral	9e1f264d29e4a709	Sandbox	10/26/2017 11:3	11/15/2017 3:38

List of web resources:

/Images/Microphone_16x16.png	msdyn_/Images/Micropho	PNG format	Unmanaged	True
/Images/Microphone_32x32.png	msdyn_/Images/Micropho	PNG format	Unmanaged	True
/Images/Microphone_Filled_16x16.png	msdyn_/Images/Micropho	PNG format	Unmanaged	True
/Images/Microphone_Filled_32x32.png	msdyn_/Images/Micropho	PNG format	Unmanaged	True
/Scripts/Shell.js	msdyn_/Scripts/Shell.js	Script (JScript)	Unmanaged	True
Attachment jQuery	msdyn_jquery_2.2.1.min.js	Script (JScript)	Unmanaged	True
attachmentlogo	msdyn_attachmentlogo	ICO format	Unmanaged	True
Audit History	msdyn_audithistory	Webpage (HTML)	Unmanaged	True
Azure Attachment Reporting	msdyn_azureAttachmentR	Webpage (HTML)	Unmanaged	True
Azure Attachment Storage Configura	msdyn_azureAttachmentC	Webpage (HTML)	Unmanaged	True
AzureBlobStorageSetup32	msdyn_AzureBlobStorageS	ICO format	Unmanaged	True
azurestorage_updated	msdyn_AzureStorage_Upd	ICO format	Unmanaged	True
azurestorage32X32_updated	msdyn_AzureStorage32X3	ICO format	Unmanaged	True
Busy Indicator	msdyn_busy_indicator	GIF format	Unmanaged	True
CaseTimeLine.html	msdyn_caseTimeLine.html	Webpage (HTML)	Unmanaged	True

Delete Icon	msdyn_deletelcon	PNG format	Unmanaged	True		English(1033)
Download Icon	msdyn_Downloadlcon	PNG format	Unmanaged	True		English(1033)
dummyfile	msdyn_dummyfile	Webpage (HTML)	Unmanaged	True		English(1033)
Emoticon faces	msdyn_emoticonBasic	PNG format	Unmanaged	True		English(1033)
Emoticon Happyface	msdyn_emoticonHappy	PNG format	Unmanaged	True		English(1033)
Emoticon Okface	msdyn_emoticonOk	PNG format	Unmanaged	True		English(1033)
Emoticon Sadface	msdyn_emoticonSad	PNG format	Unmanaged	True		English(1033)
Emoticon Satisfiedface	msdyn_emoticonSatisfied	PNG format	Unmanaged	True		English(1033)
Files and Attachments	msdyn_filesandattachments	Webpage (HTML)	Unmanaged	True		English(1033)
FromFieldScript	msdyn_fromfieldscript	Script (JScript)	Unmanaged	True		
Grid	msdyn_grid	Script (JScript)	Unmanaged	True		English(1033)
jquery_1.9.1.min	msdyn_jquery_1.9.1.min	Script (JScript)	Unmanaged	True		
json2	msdyn_json2	Script (JScript)	Unmanaged	True		
msdyn_accountResources.js	msdyn_accountResources.js	Script (JScript)	Unmanaged	True	This script is used to open the search URL when clicking o	English(1033)
msdyn_autoactivityclose,js	msdyn_autoactivityclose.js	Script (JScript)	Unmanaged	True	Auto Close the Activity based on close date provided	English(1033)

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msdyn_commonResources.js	msdyn_commonResources.js	Script (JScript)	Unmanaged	True	Common Resources	English(1033)
msdyn_constants.js	msdyn_constants.js	Script (JScript)	Unmanaged	True		English(1033)
msdyn_converttocase.html	msdyn_converttocase.html	Webpage (HTML)	Unmanaged	True	Email to Case Conversion (when user clicks on Convert To	English(1033)
msdyn_convertToCase.js	msdyn_convertToCase.js	Script (JScript)	Unmanaged	True	convert to Case	English(1033)
msdyn_escalationCaseResources.js	msdyn_escalationCaseRes	Script (JScript)	Unmanaged	True	Escalate ribbon button click actions	English(1033)
msdyn_expandemailaddress.js	msdyn_expandemailaddre	Script (JScript)	Unmanaged	True	Expand Email Address in To field	English(1033)
msdyn_getCaseTemplate.js	msdyn_getCaseTemplate.js	Script (JScript)	Unmanaged	True		English(1033)
msdyn_getCaseTimeLine.js	msdyn_getCaseTimeLine.js	Script (JScript)	Unmanaged	True		English(1033)
msdyn_OnHoldCaseResources.js	msdyn_OnHoldCaseResou	Script (JScript)	Unmanaged	True	This is show LOB and Select Case Template based on Assi	English(1033)
msdyn_openholdform.js	msdyn_openholdform.js	Script (JScript)	Unmanaged	True	When the Status of a case from changes to Customer Hol	English(1033)
msdyn_processingcenterbasedoncou	msdyn_processingcenterb	Script (JScript)	Unmanaged	True	To populate Processing Center value based on Country se	English(1033)
msdyn_webApiSDKHelper.js	msdyn_webapisdkhelper	Script (JScript)	Unmanaged	True		English(1033)
msdyn_workbenchWebapiHelper.js	msdyn_workbenchWebapi	Script (JScript)	Unmanaged	True		English(1033)
Multiple Uploads	msdyn_multiple_uploads	Webpage (HTML)	Unmanaged	True		English(1033)
notesattachmententitysettings	msdyn_notesattachmenten	Webpage (HTML)	Unmanaged	True		English(1033)
NotesAttachmentEntitySettings Logo	msdyn notesattachmenten	ICO format	Liemanaged	True		English(1)
			Unmanaged			
Reporticon	msdyn_Reporticon	ICO format	Unmanaged	True		English(1)
Sentiment Emotions Display	msdyn_SentimentEmotions	Webpage (HTM	L) Unmanaged	True		English(1)
UnreadEmail	msdyn_unreadEmail.js	Script (JScript)	Unmanaged	True		English(1)
ValidateDetails	msdyn_validatedetails	Script (JScript)	Unmanaged	True		

Custom Entities

There are 14 custom entities that are required if we want to use the advanced features, therefore they need to be configured properly before deployment.

Business Function

is the parent value for all the routing information of a Case.

BUSINESS FUNCTION : INFORMATION New Business Function -= ▲ General ACTIVITIES NOTES Business Function * 😣 No records found. You must provide a value for Business Function. LINE OF BUSINESS : INFORMATION New Line of Business -= ▲ General Line of Business * 8 --ACTIVITIES NOTES No records found. Description ---Business Function - * No Hold Assign Hold Assign To Yes Default Case Template

Line of Business

is having a 1:N relationship with a Business Function.

Hold Assign, and Hold Assign To

values (Yes/No) would be used to create a Child Case for 3rd Party Hold.

Program

is an independent value used for Case creation.

PROGRAM : INFORMATION

▲ General

Program * Description Line Of Business *

New Program -=

Case Type

is used to track the type of the case whether it is Transaction or Inquiry. This value drives the **Case Sub Type**, **Reason**, and **Sub Reason**.

Case Sub Type

values are loaded onto the form based on **Case Type** and **Line of Business**.

Reason

values are loaded based on **Case Sub Type**.

Sub Reason

values are loaded based on the **Reason** selected.

CASE TYPE : INFORMATION New Case Type -= ▲ General ACTIVITIES NOTES Case Type * 8 --No records found. Description CASE SUB TYPE : INFORMATION New Case Sub Type -= General ACTIVITIES NOTES Case Sub Type* 8 --Description No records found. Case Type * Line Of Business REASON : INFORMATION New Reason -= ▲ General ACTIVITIES NOT Reason * Ø No records found Case Sub Type Description SUB REASON : INFORMATION New Sub Reason -= ▲ General Sub Reason * ACTIVITIES N 😣 --No records four Reason* Description COUNTRY [ISO] : INFORMATION New Country [ISO] -= ▲ General Country * Country Code(3) * Case Processing Center

Country

is an ISO value assigned to every country and must be mapped to a **Processing Center**. Example: United States is mapped to AOC (American Operations Center) processing center.

Escalation Mapping

is linked with **Business Function** and **Line Of Business**. User has to set **Escalation Queue** and **Owner** details for escalation to work properly.

Out of SLA Reason

value will be displayed when the SLA of the case has expired. The System will not allow the user to resolve the case unless the value is provided.

Out of SLA Sub Reason

value is based on the **Out of SLA** reason selected.

New Out Of SLA Reason -=

General

Name*

ESCALATION MARRING - INFORMATION

▲ General

Name *

Business Function

Line of Business* Processing Center Product Tier Root Cause Escalation Queue Nan Queue Owner Notification Time Peri Line of Business Mana Email Template Name

New Escalation Mapping -=

ACTIVITIES NOTES

No records found.

out of sla sub reason : information New Out Of SLA Sub Reason =

- General

Name * ... Out Of SLA Reason * .-. Owner * &

General		
Name *	0	ACTIVITIES NOT
Hold Type*		No records found.
Line Of Business	•	

General

 Root Cause *
 NOTES

 Case Sub Type *
 -

 Desctiption
 -

 IsPartnerFacing
 No

 IsOrderCentralFacing
 No

Hold Reason

is set while case is put on hold. This value is linked with **Hold Type** (Customer Hold, 3rd Party Hold, and Internal Hold).

Root Cause

values are set by Case subtype. This helps to detect cause of the problem.

Case Templates

are used to quickly create cases with pre-defined values. Customization can be tailored to suit a number of needs. Values will be auto-populated when the user selects the template from Case Template drop down list on the Case form.

CASE TEMPLATE : IN	FORMATION	
New Ca	ase Template -=	
Case Template I	Nam* 😢	ACTIVITIES NOTES
Owner*	🌡 Suresh Guduru	No records found.
Case Status	Active	
Suppress Notifi	cation: No	
Business Function	on*	
Line of Business	.*	
Program *		
Case Type *		
Case Sub Type	*	
Reason *		
Sub Reason		
Country [Proces	ised]	
Processing Cent	ter	
Product		
Root Cause		

Sample case creation with custom values

Path: Dynamics 365 for BPO|Cases

Click on New Case. Enter all the mandatory information and Save the case. The Case will be created based on above configuration values. Example is given below.

sample ⁻	Гest Case -≡			Priority Normal	Created On 11/16/2017 1:54	I PM	Status In Progress	Owner [*] & Suresh
Identify (Active)		۲.	Research		Resolve			
 Summary 								
CASE DETAILS			ROUTING DETAILS	-				
Case Title *	Sample Test Case		Business Function *	Ad		CUSTOMER	DETAILS	
ID	CAS-00013-C4B3N8		Line of Business *	AdOps				
Subject			Program *	Diselay		Suresh Guduru		
Parent Case			Case Type *	Transaction		🗰 Company	Account f Entitlements	or
Customer *	Suresh Guduru		Case Sub Type *	Asserteentent Management		🖂 Email	v-sgudur@mic	rosoft.com
Origin			Reason *	Ad Location Inquiry		🕻 Mobile		
Contact			Sub Reason *	280 Droval		& Business		
Entitlement				(\land)		& business		
Product				•				
			PROCESSING DETAILS					

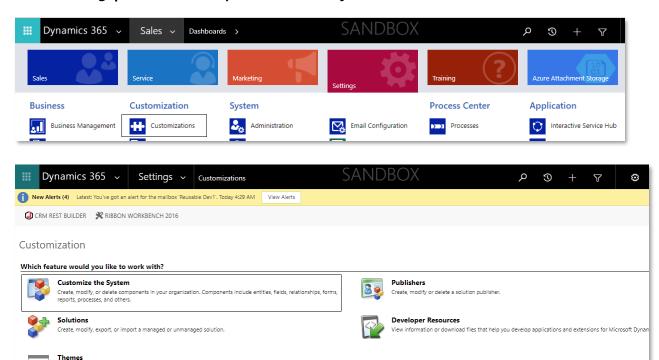
General Customization

This document describes several areas of customization, many often in the same common area. This section describes how to find those sections.

Customizing the System

Select Settings|Customizations|Customize the System

Adjust your organization's colors. Create, change, or delete themes that are used in your organization



Case Main form

Select **Customize the System**. When the form loads, the go to the left-side TreeView: Open **Components|Entities|Case|Forms**, and in the right-side **System Forms** list, select **Case** where the form type equals **Main**.

File Publish All Customi:	ations							🕜 <u>H</u> elp
Case								
Solution Default Solution	S	ystem Forms Active Forms ¥						
Campaign Activity		New 🗸 🗙 Delete 🛛 🚳 Enable	Security Roles	📑 Form Order 🕶 🛛 🧊 Ac	tivate 🛛 🦂 I	Deactivate Mo	ore Actions 🔻	
 Campaign Response Case 		Name	Form State	Form Type 个	State	Customizab	le Version	Descrij 🧷
Forms Views		Case Card	Active	Card	Managed	True	8.0.0.0	Default case
🔒 Charts		/ Case	Active	Main	Managed	True	5.0.0.0	Updated def
Fields	1.1	Case for Interactive experience	Active	Main - Interactiv	Managed	True	8.0.0.0	Default Inter
1:N Relationships		Information	Active	Mobile - Express	Managed	True	5.0.0.0	This is the fo
N:N Relationshi		Case Quick Create	Active	Quick Create	Managed	True	6.0.0.0	Default quic
Messages		Case Reference Panel	Active	Quick View Form	Managed	True	8.0.0.0	A form that
Hierarchy Setti								
▷ Case Resolution								

Escalation

Cases will be escalated at any time based on the severity established by the employee or vendor, and set to Tier 1 through 4 as necessary. Ensure that all the configurations are mandatory.

Configuration

Prerequisite: Refer to the Escalation Mapping section for detailed configuration.

In this section we will modify the Case Main form. Select the form as previously described.

Add "Escalation details" to the form along with mandatory fields as well, and make those fields read-only so that end user cannot change it.

scalation Details	
Escalated	
Escalation Level	Escalation Level
Escalated By	Escalated By
Case Escalated Since	Case Escalated Since
Escalated On	Escalated On

Click on **Form Properties**, and add JavaScript web resources to the Case form libraries. Example given below.

FILE HOME INSERT											
Save As Save and Close Dublish Save	Chan Prope	ige Remove Edit	Body Header Footer Navigation Select	Business Rules	Form Properties	Preview Show	le Security Roles / Dependencies aged Properties	Merge Forms Upgrade			
Juve			Derect			Tom		opyruue			-
Case – Summary – Activities	^	Solution: De	efault Solution								
- Case Relationships		Summary									
- Associated Knowledge					1						
- Enhanced SLA Details	~	CASE DETAILS			ROUTI	NG			CUS	STOMER DETAILS	- 1
- Additional Details		Case Title *	Case Title			ss Function *	Business Func			Customer	
Common Knowledge Base Re					1		Line of Busine		1		
Activities											- 1
Closed Activities			Customer		Carea T		Case Type				

Select "+ Add" to append more files.

scalation Details	
Escalated	IsEscalated
Escalation Level	Escalation Level
Escalated By	Escalated By
Case Escalated Since	Case Escalated Since
Escalated On	Escalated On

Add escalation activity **Sub-Grid** to track the escalation activity record for the respective Case.

ation Activities (Regarding Object)

End User Experience

Create a Case with all the mandatory details and save the case.

Click on the **Escalate** button

🕌 SAVE & ROUTE 🕂 NEW 🗋 ESCALATE 💪 CREATE CHILD CASE 🗋 RESOLVE CASE 🗟 CANCEL CASE 🚊 ADD TO QUEUE 🚊 QUEUE ITEM DETAILS 🗍 ASSIGN 🚥

User is prompted with this message.



The Case will be escalated to the queue based on the **Escalation Mappings** details. Check the queue status and details by selecting the **Queue Items Details** button.

Below is an example of escalated queue details.

FILE QUEUE	ITEM CUSTOMIZ	ZE				
Save Save & Close	View Hierarchy 🖧 Add		Run Workflow			
Save	Colli	aborate	Process			
Queue Item : Inform	nation	Queue Item Test Ema	ail - 13 Nov - 4	L		Queue Items 👻 🕇 🔱
Related		▲ General				
▲ Common Audit Hist	ory	Queue*	ABC	Q	Queue Item *	🖌 Test Email - 13 Nov - 4 🗔
Process Sessio & Background		Worked By				
📰 Real-time	Processes	Entered Queue	11/14/2017	🗙 2:31 PM		
in rear and	THOUSING .	Modified On	11/14/2017	♥ 2:31 PM		

Resolve case escalation

Once escalated, the corresponding activity will be created.



Once the activity status is changed to "Resolved", all the other parameters will be reset to normal values.

Escalation Details	
Escalated	A No
Escalation Level	⊜

Notes:

- 1. CRM will allow a case to be escalated even if the queue doesn't exist: The system will display escalation success, however the case will not be routed.
- 2. Cases can only escalate to the appropriate level if the Product and Processing Center properties are properly set in the Escalation Mapping. In the example below, we've set **Product** to "Product 1" and **Processing Center** to "AOC" before escalating the case.

CASE DETAILS		ROUTING
Case Title *	Es test 1	Business Function *
ID	CAS-00181-L8X6K7	Line of Business *
Subject		Program *
Customer*	Suresh	Case Type *
Parent Case		Case Sub Type *
Origin		Reason *
Contact		Sub Reason *
Entitlement		
Product	Product1	
Root Cause		PROCESSING DETAILS
Received Date	-	Country [Processed]* All
		Processing Center AOC

In the example to the right, the Escalation Mapping entity record has the same values for **Product** and **Processing Center**, and therefore can be escalated to Tier 1.

escalation mapping : information 3P XBOX Tier 1 =
• General
Name*
Business Function *
Line of Business *
Processing Center
Product
Tier
Root Cause
Escalation Queue Nan
Queue Owner
Notification Time Peri
Line of Business Mana
Email Template Name

Hold activities

There are three different custom Holds available in this solution: Customer Hold, 3rd-Party Hold, and Internal Hold. They are defined as:

- **Customer Hold** can be assigned when user is waiting for additional information from request Submitter. For example, documents are missing, or perhaps missing mandatory information.
- **3rd Party Hold** is assigned when we need additional external information.
- **Internal Hold** is assigned when the user goes on lunch break, or is attending any other scheduled meeting, etc.

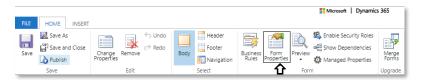
Customizing Settings

In this section we will modify the **Case Main** form. Select the form as previously described.

After the Form Case window opens, go to the right-side Field Explorer. Scroll to the Status Reason property label, then drag and drop it onto the form Header. Save the Form.

CASE DETAILS	
Case Title *	Case Title
ID	Case Number
Status Reason	Status Reason

Then select Form Properties, as shown below...



Click on "+ Add" in Form Libraries section, and in the next popup, chose msdyn_openholdform.js web resource. Click the ADD button; this dismisses the popup.

While still in the Form Properties, scroll to Event Handlers section.

Select the Control Dropdown List, scroll to Fields|Status Reason. Then set the Event to OnChange.

Click on "**+ Add**", and in the Handler Properties popup, type in the **Function** Textbox "popupCustomHold", then click on the **OK** button to accept and dismiss.

Event OnChange V		•			
🖶 Add 🛛 🔯 Remove 🛛 🏠 Up 🛛 🐺 Down 🚽 🎯 Edit 🖉 Edit Library		•	on		Control Event
	🖞 Edit Library	Bdit 👔	🚹 Up 🛛 🦊 Down	🖹 Remove	🕂 Add
Library Function Enabled	Enabled		Function		Library
msdyn_openholdform.js popUpCustomerHold True	True	herHold	popUpCusto	nholdform.js	msdyn_openh

Click the **OK** button to finish.

Note: Once the even handler is added, remove the **Status Reason** field that we had previously added in the Summary Section. And although removed, Status Reason will still trigger the OnChange event.

Back at the Case Main Form, go to the **File** tab, select **Section** from the ribbon, and add **One Column**. Name the column "Hold Activities". From the same ribbon, add **Sub-Grid**, and use the **Set Properties** popup and the details as shown to the right.

et Proper	ties	? X
he List or Chart p	roperties.	
splay Formattin	g Controls	
Name		
Specify a unique	name.	
Name *	holdactivities	
Name		
Label * Hold	l Activities (Regarding)	
Display label	on the Form	
Data Source —		
Specify the prim	ary data source for this list or chart.	
Records	Only Related Records	T
Entity	Hold Activities (Regarding)	•
Default View	My Open Hold Activities	T
	Edit New	1

Auto Activity Close - Configuration

Close the Hold Activity based on the close date provided. From the entity list in the customize system window chose the **Hold Activity** entity, open Main form, and then go to **Form Properties** as shown below...

FILE	HOME INSERT			Microsoft Dynan	nics 365
Save	Save As Save and Close Publish	Change Properties	Body Header Footer Navigation	Business Rules Business	Merge
	Save	Edit	Select	Form	Upgrade

Click on "+ Add" in Form Libraries, select **msdyn_openholdform.js** web resource, and add it.

Form Libraries		
Manage libraries that will be av	allable in the form.	
🖶 Add 🛛 👔 Remove	摿 Up 🛛 🐺 Down 🛛 📴 Edit	
Name	Display Name	Description
msdyn_autoactivityclose.js	msdyn_autoactivityclose.js	Auto Close the Act

Next, with Event Handlers, set OnLoad, Close After Date Time and Auto Activity Closure (Yes/No) change events. In the Function Textbox, type "**setAutoActivityCloseAfter**" as shown.

/lanage funct	ions that are called fo	r form or field events.	
ontrol	Form	•	
ent	OnLoad		
Add	🖹 Remove 🛛 💧	Up 🛛 🐥 Down 🛛 🌛 Edit	Edit Library
orary		Function	Enabled
sdvn autoa	ctivityclose.js	setAutoActivitvCloseAfter	True

Manage func	ions that are called for	form or field events.	
Control	Auto Activity Clo	osure (Yes/No)	
Event	OnChange	•	
🖶 Add	🖹 Remove 🛛 🛉	Up 🐺 Down 🌛 Ed	it 🛛 📴 Edit Library
Library		Function	Enabled

Manage funct	tions that are called for t	form or field events.	
ontrol	Close After Date	Time 🔻	
vent	OnChange	۲	
Add	👔 Remove 🛛 🛔 🕯	Jp 🦊 Down 彛 Edit	📴 Edit Library
.ibrary		Function	Enabled
and up out of	activityclose.js	setAutoActivitvCloseAfter	True

End-User Experience

Once the configuration has been completed, in the Dynamics 365 organization, a user can create new activity record on change of case status reason. The steps outlined below illustrate creating a case from an Email Record.

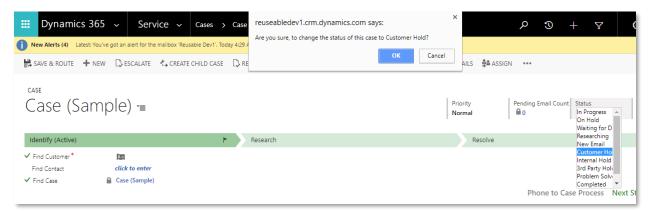
Go to D365 for BPO Cases



Click on **NEW CASE** to create a new Case Record.

Ⅲ Dynamics 365 ~	Service ~	Cases > Case (Sample)		SANI	dbox	م	3	+	7	۲	[?]	0
New Alerts (4) Latest: You've got	an alert for the mailbox 'Reu	sable Dev1'. Today 4:29 AM View	Alerts									×
🛃 SAVE & ROUTE 🕂 NEW	🕽 ESCALATE 🛛 🔩 CREATE	CHILD CASE 🗋 RESOLVE CASE	🛱 CANCEL CASE	🖳 ADD TO QUEUE	D. QUEUE ITEM DETAILS	କ୍ରିଦ୍ଧ ASSIGN 🚥				\uparrow	∳ ,≣	×
^{case} Case (Sampl	€) .≡				Priority Normal	Pendin	g Email Cou	Int Status		Owner Si	* ai Krishn	a
Identify (Active)		► Research			R	esolve			U			
Find Contact o	a lick to enter Case (Sample)					Ρ	hone to (Case Pro	cess Ne	ext Stage	Э	^

Change the Status to Customer Hold; CRM will display a confirmation alert whether user wants to open a new hold activity or not. Click **Cancel** to exit without changes.



Click **OK** to create a **Hold Activity** form as shown below with case ticket number appended with Case Status Reason.

Secure				
Dynamics 36	5 v cas-00152-b6H2Q7 SAI	م NDBOX	∇ + ∇	• 2
SAVE 🗸 MARK COMF	LETE 🛱 SAVE & CLOSE 📧 FORM EDITOR			
	^{tion} 2-B6H2Q7 •≡	Hold Type Status [*] Customer Open	Party Initiated*	
General			* Submitter (Contact)	
litle Reason*	CAS-00152-B6H2Q7 is on Customer Hold	Assigned To Group Auto Activity Closur		
Responsible By *	0	Close After Date Tir		
Description		Start	₽	
NOTES				
No records found.				
Open				vide a value for Reason.

Fill the required field values: Reason, and Responsible By.

This activity is now mapped with the case.	Hold Activites
	Hold Type ↑ Actual Start Actual End
	Customer 11/14/2017 5:24 Au

Select Auto Activity Closure (Yes/No) to Yes. Then set the Close After Date Time field.

+ Ho

	Dynamics	365	CAS-00152-B6H2Q7	. >	SAN	DBOX	م	3	+	Y	¢) [?]	0
✓ N	ARK COMPLETE	DELET	E X CLOSE HOLD ACTIVITY		OOPPORTUNITY	🎤 to case	🖳 ADD TO QUE	UE	D QUEU	E ITEM DETA	alls 🛔	ASSIGN	•••
С	LD ACTIVITY : INFO AS-001 General		B6H2Q7	Έ		Hold Type Customer	Status* Open			y Initiated [*] Sai Krishna	1		•
	Title*		CAS-00152-B6H2Q7 is on	Customer	Hold	Assi	gned To Group *		Submitt	er (Contact))		
	Reason *					Auto	Activity Closure ('e	Yes				- 1
	Responsible By*					Clos	e After Date Time	•	11/15/2	017 5:30 P	м		- 1
	Description					Star	t		11/14/2	017 5:24 P	М		

The Hold Activity form will close automatically at the specified **Close After Date Time**.

Email expand and validation

This is around validations around Email entity. This will auto populate the From field to default queue, verify the To recipients and While sending the email, it will check on To recipients list and count of number of attachments on the email.

Configuration

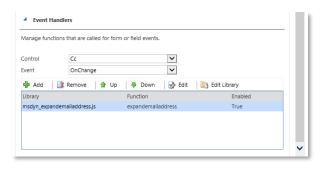
Path: Settings|Customizations|Customize the System

Select the Email Entity and Click on Forms

Select Email main form and Click on Form Properties

Add the msdyn_fromfieldscript and msdyn_expandemailaddress on the email form. Also provide necessary function names as per mentioned. populateQueueDetails () and expandemailaddress() for the scripts respectively.

Edit Gif Edit Library
Edit Edit Library
Enabled
s True
Edit 🛛 📴 Edit Library
Enabled
True



Note: To and CC fields accepts only Contact records and will not accept Account Records. If user tries to add any Account record, they will get automatically removed.

If, still user wants to add Account record, user must remove this web resource (msdyn_expandemailaddress.js) from Email Form Properties, as mentioned in above screenshot.

End-User Experience

Once done with the configurations as mentioned above on Email form load the From field will be populated with default queue.

SEND button will have validations.

While sending email to the respective user following pop up will be visible to user from which user can chose to send or cancel email sending. Alert will show number of files attached and file names as well.

mail recipient:		a de la companya de l
Attachment Count: 2		
Attachment added to Email: Queries.tx	,msdyn_commonRes	ources.txt

SLA

Prerequisite: Out of SLA Reason and Out of SLA Sub Reason custom entities should be configured.

SLA is the OOB functionality

Configuration

Add the following fields to the Case form provided with the solution as per mentioned.

Out of SLA Reason	Out of SLA Reason
Out of SLA Sub Reason	Out of SLA Sub Reason
Ops Controllable	Ops Controllable
Case Duration	Case Duration

To add the Iframe of "case TimeLine" user must go form editor of case form and he has to click

"Insert" option and need to add the Iframe which is mentioned in next point.

FILE	HOME INSER	г													ĸeusea	Diellen i 🔊
Section	Three Three Columns Columns	Two Columns	Two Columns	Two Columns	One Column	Sub-Grid	Spacer	Quick View Form	Web Resource	Bing Maps	Navigation Link	Social Insights	Ö Timer	Knowledge Base Search	ACI Control	
	3 Tabs		2 Tabs		1 Tab					Contr	ol					
⊿ Case	4 Case		<u>s</u>	Solution	n: Default	Solution			IFrame					Field Ex	plorer	
- Sum	mary	^		Form:	Cas	e			Insert an IFrame.							
- Activ	vities		- Sumn	narv								_	1	Filter	All Fields	

Add the "msdyn_caseTimeLine.html" on the case form as new section on the case form as per available below.

Summary CASE DETAILS		ROUTING		CUSTOMER DETAILS
Case Title	Care Title	Business Function *	Futurious Function	Curtoriae
ID.		Line of Business*		mutynutare Timelike http:/
🔒 Subject		Program *		
Customer		Case Type*		
Origin		Case Sub Type*		
Contact		Reason *		
Entitlement		Sub Reason *		
Product				
Root Cause		PROCESSING DETAILS		
Received Date		Country [Processed]*		
		Processing Center		

After adding msdyn_caseTimeLine.html web resource to case form then we have to double click on this and needs to do below property.

Web Resource Properties ? × lodify this Web resource's properties.	Web Resource Properties ? × Modify this Web resource's properties.
General Formatting Dependencies	General Formatting Dependencies
Web resource	Layout
Web resource*	Select the number of columns the control occupies:
	One column
Field Name and Properties	
Name* WebResource_casetimeline Label* casetimeline	Two columns
Label Casetimeline	O Three columns
Visibility ✔Visible by default	Four columns
Web Resource Properties	Row Layout
	Select the number of rows the control occupies.
Custom Parameter(data)	Number of Rows 10
Restrict cross-frame scripting, where supported.	Automatically expand to use available space.
Pass record object-type code and unique identifier as parameters.	Scrolling
Enable for tablet	Select the scrolling type for the IFRAME.
	Scrolling As Necessary
OK Cancel	OK Cancel

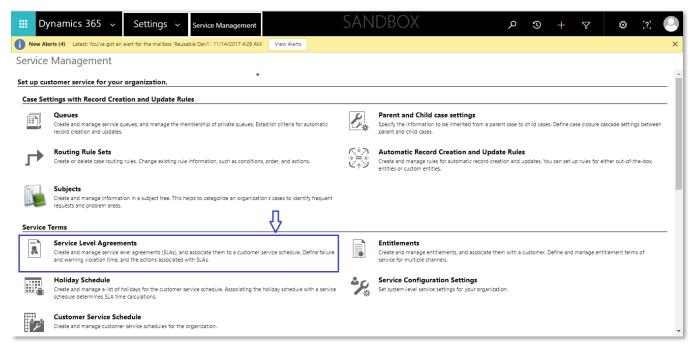
Configure the SLA with the proper condition such that it will trigger on the case creation. Once SLA is triggered SLA Left and actual SLA fields will be visible. Based on hold activities other fields will be populated respectively.

Below is an example on configuration of SLA

Path: Settings|Service Management

■ Dynamics 365 ~	Service ~ Cases	> CAS-00175-L2C9J9 i >	Sandi
Sales	Service	Marketing	Settings
Business	Customization	System	介
Business Management	Customizations	Administration	Email Configuration
Templates	Solutions	Security	Activity Feeds Configu
Product Catalog	Dynamics Marketplace	Data Management	Activity Feeds Rules
Service Management	← Plug-In Trace Log	System Jobs	Dynamics 365 App for
Mobile Offline		Document Manageme	Relationship Insights
ද්දා Sync Error		Auditing	

Go to Service Level Agreements in Service Terms section.



Click "**+ New**" to set up new SLA. A dialogue box comes out and to Create SLA, provide Name for SLA and chose Case entity from the drop down and click ok.

Create SLA Create a new SLA record		×	
Name			
Entity *	Case		1
			1
		OK Cancel	

A SLA record gets opened and fill out the required fields and save the record as shown below

🕂 NEW 🛅 DELETE 🗸 ACTIVATE	₩ SET AS DEFAULT	🐝 ASSIGN	🖘 EMAIL A LINK	WORD TEMPLATES *	RUN REPORT	•
SLA (Sample)	Έ					
▲General						
Name * Entity *	SLA (Sample)					
Applicable From *	Created On					
Business Hours						
SLA Type *	Enhanced					
Allow Pause and Resume*	Allow					
Description						
SLA Details						
Name	Warn After	Failure	After	SLA KPI Field	Created On	Modi
	wan Alter	Fallure	e Aitei	JUA KEI HEIO	Greated Off	Mod
No SLA Item records found.						

Now, click on + symbol in SLA Details section to configure SLA and a new window gets opened to configure SLA Details, in which we can mention the Success Criteria and Applicable When (to trigger SLA)

FILE	SLA ITEM								
Save	Save & New Save & Delete Close	Speech to Text Speech to Text Stop	View Hierarchy		Start Dialog 1	Word Templates + Report +			
	Save	Records	Collaborate	Proce	ess	Data			
2	SLA Item Information						SLA Items	~	Λ Ψ
⊿ G	General								
	me * SLAItem			SLA KPI	First Resp	onse By KPI			-
Nan	Dealer I	(sample)		3.54 Kit		once by kin			·
App	plicable When								
App	plicable When		<u>Contains Data</u>						
App	plicable When)]•[Group OR	<u>Contains Data</u> <u>Contains Data</u>						
App	plicable When Clear Croup ANE]•[Group OR Case Reason							
Apr	plicable When Clear Group ANE Clear Clease C]•[Group OR Case Reason							
App T	plicable When Clear 1 Group ANC V Case V Case Select	 J-[Group OR <u>Gase Reason</u> <u>Country IProcessed</u> 							
App T	plicable When Clear Coup AND Case Case Select Coses Criteria	 J-[Group OR <u>Gase Reason</u> <u>Country IProcessed</u> 		Completed					

SLA Item Information	SLA Items	- ↑ Ψ
Success Actions		*
Add Step • X Delete this step.		
SLA Item Failure		
Failure after 1 hour		~
Failure Actions		
Add Step • X Delete this step.		
SLA Item Warning		
Warn after 30 minutes		~
Warning Actions		
Add Step • X Delete this step.		
		-

Once Applicable and Success Criteria is filled out, save and close the form.

Now click on activate the SLA to trigger that on the given conditions.



Reference (SLA): <u>https://www.microsoft.com/en-us/dynamics/crm-customer-center/define-service-level-agreements-customer-service.aspx</u>

End User Experience

Once the SLA is expired and user tries to resolve the case, Out Of SLA Reason and Out Of SLA Reason fields get visible and mandatory fields. User needs to fill them as well.

▲ Enhanced SLA Details				
First response in SExpired	Name ↑ First Response By KPI	Status Noncompliant	Failure Time	Warning Time

After above SLA configuration, if user try to create a case then the SLA information would be update like below on case.

SLA Left	0h 4m	Actual SLA		
		3rd Party	0h 0m	
Total Hold Time	Oh Om	Customer Hold	Oh Om	
		Internal Hold	Oh Om	
Total Case D			0h 1m	

Out of SLA Reason *	
Out of SLA Sub Reason *	

Convert to Case

The Convert To Case Solution is an add-on feature to dynamics 365 CRM to create a case from Email record.

Configuration

Pre-requisites:

- Fields to be added on Case Form.
- Records to be created in Case Template Entity (optional).
- Filter conditions to be applied on the fields added on Case Form.

UI Configuration – Case Form

In this section we will modify the Case Main form. Select the form as previously described.

From the entity list in the customize system window chose Case entity, open main form and add a section with fields as shown in below screenshot.

Business Function *	Business Function
Line of Business *	Line of Business
Program *	Program
Case Type *	Case Type
Case Sub Type *	Case Sub Type
Reason *	Case Reason
Sub Reason *	Case Sub Reason

After adding this section with the above-mentioned Fields (Lookups), we need to add some filter conditions to the lookups. So, that based on the filter we have applied all the other lookup values get populates (Dependent Lookups, in fact).

POLITING

Go to Field Properties of Line Of Business field, and in Display tab, go to Related Records Filtering section and select Business Function (Cases) in Only show records where and choose Business Function – Line Of Business (Lines Of Business) in Contains as shown below.

only show records where:	
Business Function (Cases)	•
Contains	
Business Function - Line of Business (Lines of Business)	•
🗹 Users can turn off filter	

This filter condition helps in filtering out the LOBs (Line Of Business) records based on Business Function values.

Follow the same steps mentioned in above for all the other below fields as shown

A. Program

٣
•

B. Case Sub Type

elated Records Filte	ring	
Only show record	s where:	
Line of Busines	(Cases)	•
Contains		
Line Of Busines	s (Case Sub Types)	•
Allow users	o turn off filter	

C. Reason

ated Records Filtering	
Case Sub Type (Cases)	•
Contains	
Case Sub Type (Reasons)	•
Allow users to turn off filter	

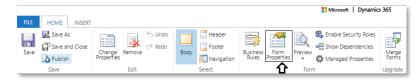
Add one more section with fields as shown in below screenshot.

D. Sub Reason	
---------------	--

Relat	ted Records Filtering	
1	Only show records where:	
	Case Reason (Cases)	۲
	Contains	
	Reason (Sub Reasons)	•
	Allow users to turn off filter	

PROCESSING DETAILS	
Country [Processed] *	Country [Processed]
Processing Center	Processing Center

Now, go to Form Properties



Click on Add in Form Libraries and chose msdyn_processingcenterbasedoncountry.js and add.

Go to Even Handlers, after adding the web resource. And add this onLoad and on Country[Processed] change events and add onLoadReadCountry in function as shown below.

Manage funct	ions that are called for form or field events.	
Control	Form	•
Event	OnLoad	•
🕂 Add	👔 Remove 🛛 🏦 Up 🛛 🐺 Down	😼 Edit 🛛 📴 Edit Library
Library	Function	Enabled

Manage funct	ions that are called for form or field events.	
Control	Country [Processed]	
Event	OnChange 🔻	
🕂 Add	👔 Remove 🔒 Up 🐺 Down 🌛 Edit	📴 Edit Library
Library	Function	Enabled
LIDIALY		

Library	msdyn_processingcenterbasedoncountry.js	
Function *	onChangeOfCountry	

Note: msdyn_processingcenterbasedoncountry.js, is a web resource, which helps populating Processing Center information automatically based on the selected Country [Processed]. We need to map processing center information in Countries Entity to auto-populate this in case form.

Make sure all the below mentioned web resources are added in Form Libraries from Form Properties.

- A. msdyn_constants.js
- B. msdyn_commonResources.js
- C. jquery_1.9.1.min
- D. msdyn_json2

Manage libraries that will be availa	ble in the form.	
🖶 Add 🛛 🚺 Remove 🗎 🚖	Up 🛛 🖶 Down 🛛 📴 Edit	
msdyn constants.js	msdyn_constants.js	
msdyn_iquery_1.9.1.min	jquery_1.9.1.min	
msdyn_jquery_1.9.1.min msdyn_json2	jquery_1.9.1.min json2	

Optional Configuration

This section provides information on optional configuration on functionality of Case Template entity. This entity helps to populate all the fields automatically while we are converting an email into a case.

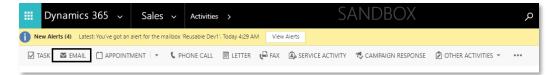
Below are the required entities list to create Case Template.

- A. Navigate to D365 for BPO -> Case Templates
- B. Click on New and Create a Case Template Record.

End User Experience

Once the solution is imported and configured in the Dynamics 365 organization, a user can create a case from Email. The steps outlined below illustrate creating a case from an Email Record.

Path: D365 for BPO Activities Email



Click on Email, to create a new Email Record. Provide From, To and Subject fields with required information.



Click on Convert To Case in the Email Record ribbon as shown in the above screenshot

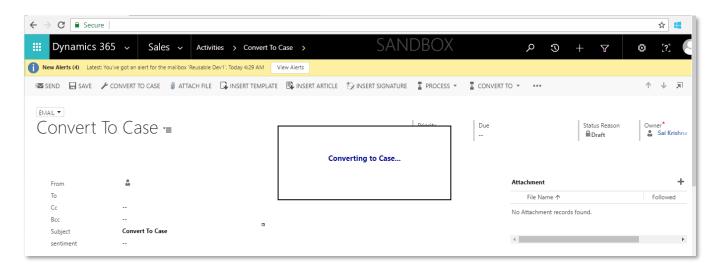
Email: Convert To Case 🗙	×					Θ	- 0	×
\leftarrow \rightarrow C \blacksquare Secure $(1, 1, 1, 2, 2, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,$	Convert to Case - Google Chror	me		:	×		☆	• :
III Dynamics 365 🗸 Sales	Secure				+ 7	,	🔅 [?]	0
New Alerts (4) Latest: You've got an alert for the m								×
🖾 SEND 🔒 SAVE 🥕 CONVERT TO CASE	Specify the details of the new c	ase.					$\uparrow \downarrow$	я х
EMAIL 🖛	Submitted By Contact *		Business Function *		ব			
Convert To Case =	Submitted By Account *	E	Line Of Business *		Status Re ■Draft	ason	Owner*	shna
	Case Template		Program *		Q			
	Country Processed *	Q	Case Type *		a			4
	Suppress Notification	No	Case Sub Type *		Q			÷
From 🍰	Description: *		Reason *		3			- II
Cc			Sub Reason *		a		Followed	
Bcc			Open the new case		ords found.			- 1
Subject Convert To Case			Close the e-mail form					
sentiment								•
								- 1
🐰 🖻 🛍 в / Ц 🃰 🗮 :								- 1
			Reset	Convert Cancel				

- A. Once user fills From field information, automatically if it's a System User Record, and the same User record information with email address is present in the Contact record, when the Convert To Case window pops-up Submitted By Contact and Submitted By Account.
- B. Select a record from Case Template lookup, to auto-populate all the other fields.
- C. Subject of the Email would be taken as Case title.

Convert to Case - Google Ch	irome				- 0	Х
Secure						
Convert to Co Specify the details of the ne						
Submitted By Contact *	Gudluru	٩	Business Function *	E .	AdOps	Q
Submitted By Account *	Account (Sample)	_	Line Of Business *		AdOps	_
Case Template	AdOps LOB Template	_	Program *	E).	Adops program	a
Country Processed *	United Kingdom	Q	Case Type *	E .	Inquiry	_
Suppress Notification	No	۲	Case Sub Type *	Ξ.	ART Inquiry	
Description: *			Reason *	E.	Invoice Inquiry	
Converting it to Case from Email			Sub Reason *	E.	Sample Reimbursement	
			Open the new case			
			Close the e-mail form			
			Reset	Co	onvert Cancel	

Even without selecting record from Case Template, we can populate another fields information manually.

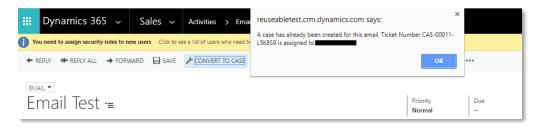
Click on Convert and Converting to Case... progress can be seen as below



A case would get created as shown below, with the information user has provided while converting email to case.

Dynamics 365	~ Service ~ Cases	> Convert To Case		SAN	DBOX		ρ	3	+ 7		3 [?]	
New Alerts (4) Latest: You'v	e got an alert for the mailbox 'Reusable Dev1'.	Today 4:29 AM View A	Alerts									×
😫 SAVE & ROUTE 🛛 🕂 NEW	Escalate 🔩 create child cas	E 🖸 RESOLVE CASE	🔀 CANCEL CASE	🖳 ADD TO QUEUE	D. QUEUE ITEM DETAIL	LS 🚔 ASSIGI	N				$\uparrow \downarrow$	X X
Convert To	Case =				Priorit Norma	·	Pending Er	nail Count	Status In Progress		Owner* 🌡 Sai Ki	ishna
Identify (Active for 1 minute	e)	► Research				Resolve						
 Find Customer * 	Account (Sample)											
	Gudluru Convert To Case					Phone to C	ase Proce	SS (Active	for 1 minute) Next St	age 😏	^
						Phone to C	ase Proce	SS (Active	for 1 minute) Next St	age 🕑	^
✓ Find Case			ROUTING			Phone to C	ase Proce	SS (Active	for 1 minute) Next St	age 🕤	

After the case has been created from the email, if user clicks on Convert To Case once again, it will provide information that a case has been created and to whom its assigned.



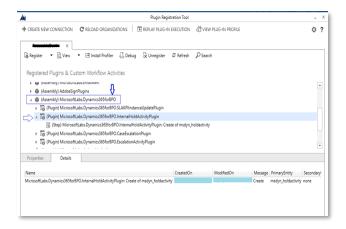
Child Case creation for custom Hold status

Configuration

Plugin Configuration – Child Case Create

This section helps in, configuring Plugin Step running context to create a Child Case. As the child case is going to get created in another LOB, to which the current user is not part of. So, to create the Child Case by the current user, in another LOB, we are running the Plugin with System Admin context.

Open plugin Registration tool and Login to your D365 organization and Select the step in InternalHoldActivityPlugin under MicrosoftLabs.WorkBench assembly as shown below



Open the step and choose System Admin (in the Drop Down available) user in "Run in User's Context" as shown below.

Update Ex	isting Step)				×
General Configura	ation Information			Unsecure Configuration		
Message	Create					
Primary Entity	msdyn_holdactivity					
Secondary Entity	none					
Filtering Attributes	Message does not s	support Filtered Attribute	25			
Event Handler	(Plugin) MicrosoftLa	bs.Dynamics365forBPO.li	nternalHoldActivi 🧹			
Step Name	MicrosoftLabs.Dynar	mics365forBPO.InternalH	oldActivityPlugin: Cre			•
Run in User's Context	Select only Syste	m Admin from this dr	opdown 📥 🗸			
Execution Order	1			Secure Configuration		
Description	MicrosoftLabs.Dynar	mics365forBPO.InternalH	oldActivityPlugin: Cre			
Event Pipeline Sta	ge of Execution	Execution Mode	Deployment			
O Pre-validation		 Asynchronous 	✓ Server			
 Pre-operation 		 Synchronous 	Offline			
 Post-operation Delete AsyncOperation 	tion if StatusCode = S	Successful				*
					Update Step	Close

Create Access Team Template

This section helps in create /in setting up the Access Team Template. Access Team Template helps, to read the created child case by the current user, who is not part of another LOB, in which the child case

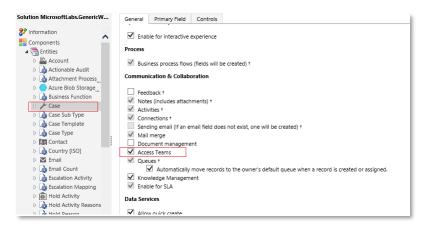
MICROSOFT LABS

gets created. So, using Access Team Templates, we are allowing current user (who is not part of the child case LOB) to read the Created Child Case record.

Access Team Template Configuration Steps:

In this section we will modify the **Case Main** form. Select the form as previously described.

From the entity list in the customize system window chose Case entity and select Access Teams in Communication & Collaboration section and save the record as shown below...

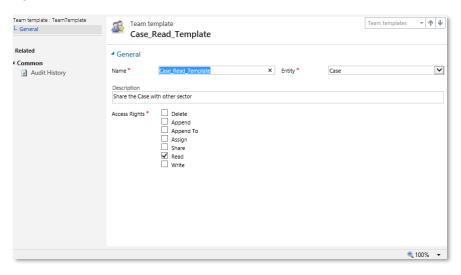


Open Case main form and add "Parent Case" field as shown below.

CASE DETAILS	
Case Title *	Case Title
ID	Case Number
🔒 Subject	Subject
🔒 Customer	Customer
Parent Case	Parent Case

Go to "Settings" > "Security" > "Access Team Template"

Click 'New' and create below record with exact name "Case_Read_Template", select Read in Access Rights section and save the record.



Line of Business Configuration for Child Case Creation

Open Microsoft Dynamics 365

Navigate to BPO Solution -> Lines Of Business

🗰 Dynamics 365 🗸	D365 for BPO \sim	Cases > New Email	SANDBC
C D365 for BPO			
OOB Entities	BPO Entities Escalation Activities	Sub Reasons	Hold Reasons
Contacts Cases	Escalation Mappings	Programs Image: Out Of SLA Sub Reaso	Case Types Case Templates
Queues Activities		Out Of SLA Reasons	Case Sub Types Example Case Sub Types Business Functions

Select the appropriate Line of Business in the Active Lines of Business results that shows

Line of Business 🛧	Business Function - Line of Business	Default Case Template
3P XBOX OPS	3P XBOX OPS	3P XBOX OPS LOB Template
AdOps	AdOps	AdOps LOB Template
Finance	Tax	Finance Post Enroll ERIC
OEM Marketing Ops	OEM Marketing Ops	

Enabling Hold Assign & Hold Assign To

Once Line of Business record is opened, navigate to the "Hold Assign" and "Hold Assign To" fields and change those to Yes and Save the record.



Note: Selecting 'Yes' implies that you are allowing your current Line of Business to assign as well as receive child cases from other LOBs.

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Default Case Template

The Default Case Template field will determine the Child Case taxonomy when another LOB assigns a child case to your LOB.

Note: There will be only one Default Case Template allowed per LOB.

LINE OF BUSINESS : INFORM	ATION	*≡	
₄ General			
Line of Business *	3P		
Description			
Business Function - *	3P		
Hold Assign	Yes		
Hold Assign To	Yes		
Default Case Template	3P		
		•	

Default Case Template Configuration

To ensure that your Child Cases will be received in the appropriate queue, you must ensure that you have the Taxonomy Metric set up correctly.

Open Microsoft Dynamics 365

Navigate to BPO Solution -> Case Templates

	Dynamics 365 🗸	D365 for BPO 🗸	Cases	> New Email		SANDBOX
<	D365 for BPO					
	OOB Entities	BPO Entities	++	Sub Reasons	+	Hold Reasons
	Accounts	Escalation Activities	+	Reasons		Countries
	Contacts	Escalation Mappings	+	Programs	+	Case Types
	Cases		+	Out Of SLA Sub Reaso	+	Case Templates
	Queues		+	Out Of SLA Reasons	+	Case Sub Types
	Activities		#	Lines of Business	#	Business Functions

Create a new Case Template for your Child Case creation



Ensure that the Business Function, Line of Business, Case Type, Case Sub Type, Queue, and any other available criteria are selected to match the taxonomy of your Default Case Template.

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ase template : informat	Template -₌
	I
Case Template Nam *	
Owner*	ů
Case Status	Active
Suppress Notification:	No
Business Function *	
Line of Business *	
Program *	
Case Type *	
Case Sub Type*	
Reason *	
Sub Reason	
Country [Processed]	
Processing Center	
Product	
Root Cause	

Note: This will ensure that when the Child Case is created using the Default Case Template.

End user Experience

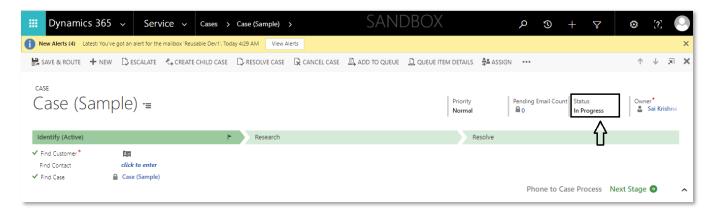
Once the configuration is complete, and you wish to place a case on 3rd Party Hold and assign it to a specific Line of Business, complete the following steps.

Login to Dynamics 365.

Navigate to Service -> Cases



Click on NEW CASE, to create a new Case Record and provide required information.



Now change the Status to "3rd Party Hold". Then we give get a confirmation alert, whether user wants to open a new hold activity or not. If user clicks on Cancel, simply confirmation dialog closes.

Status	
In Progress	
On Hold	
Waiting for D	
Researching	
New Email	
Customer Ho	
Internal Hold	
3rd Party Hol	
Problem Solv	_
Completed	-

If user clicks on OK, a Hold Activity form gets opened in pop up as shown below... with case ticket number appended with Case Status Reason, as shown below...

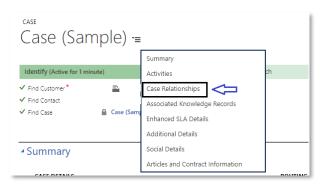
Select the appropriate Reason and Responsible By, change the Assigned To Group to Internal.

When Internal is selected, the LOB field will appear. Select the LOB you wish to have the Child Case created for. (On Create on Hold Activity, only Child Case create plugin triggers).

HOLD ACTIVITY : INFORM	ation 52-B6H2Q7 •≡	Hold Type Status* Customer Open	Party Initiated*
▲General			
Title*	CAS-00152-B6H2Q7 is on Customer Hold	Child Case Creation	
Reason *	Operations Team	Assigned To Group *	Internal
Responsible By *		LOB *	3P
Description	Description goes here	Select Case Template *	3P

Click Save at the bottom of the Hold Activity form

The Child Case should appear in the Case Relationships tab of the parent case.



Once, we are on the Case Relationships tab, we can see the Child Case created as shown below

CHILD CASES		+
Status Case Title	Owner	Modifie
Active Child - Case (Samp	le) .	11,

Click on the Child Case record and it redirects to a created child case and the Child Case's taxonomy should match what is in the Default Case Template.

hild - C	Case (Sample)	' =		Priority Normal
entify (Active for 12	! minutes)	► Research		Reso
Find Customer * Find Contact Find Case	Click to enter Click to enter ☐ Child - Case (Sample)			
ind case				Phone
Summary CASE DETAILS		ROUTING		
Case Title *	Child - Case (Sample)	Business Function *	3P.	
ID	CAS-00165-M3H2S1	Line of Business *	3P	
Status Reason	In Progress	Program *	Commercial	
Subject		Case Type *	Admin	
Customer*	a de la companya de la compa	Case Sub Type *	System Admin	

Trouble Shoot Tips

- A. Please make sure that the Name field in the Access Team Template record is correctly updated as Case_Read_Template (which is case sensitive).
- B. Please make sure that the Run in User's Context of InternalHoldActivityPlugin is CRM System Admin in plugin Registration tool.
- C. If Child Case is not getting created, please make sure that you are choosing Assigned To Group field to Internal and LOB and Select Case Template at the time of Hold Activity creation.

Additional Solution references

Attachment Management Solution

Attachment Management solution is an add-on feature to dynamics 365 CRM Online to manage notes and email attachments using Azure blob storage. Enables business users to optimize use of CRM Online storage and retrieve files on-demand through Dynamics CRM. It also offers additional optional feature of multiple files upload and download with a preview of the attachment. This solution is built on Dynamics 365 and seamlessly works on Dynamics CRM 2016 and above. Any suggestions/feedback from your end using Attachment Management would help us at Microsoft Labs to define the roadmap of this solution to its future. Microsoft Labs does not offer an ongoing customer support for this solution. It would be ideal to test run the solution in your pre - production environments before installing in your production environment.

Click here for Configuration and Functionality

Actionable Audit

Microsoft Dynamics 365 comes with several tools to help you manage data. One of these is the auditing feature, which allows you to track changes made to data in Dynamics 365. It also tracks each time a user logs into your system. If auditing is enabled, CRM automatically creates logs for the changes that are tracked. But, we cannot access the System Auditing Entity. This Actionable Audit solution will provide the user to track the audit history of the configured entities and will be able to generate the reports on the Audited data. Also, provides user friendly web resource for Case entity with the Search, Export to CSV options

Click here for Configuration and Functionality

Email Alert

The Email Alert Solution is an add-on feature to dynamics 365 CRM to get an overview of received unread CRM emails on a Case. It enables users to get the unread mails count which were received on a case. Feature Benefits: No need to navigate to Emails section of a case to see the received emails

- Pending Email Count field on a case form will get updated with number of unread received emails. Option to make Unread/Read on Email form
- Users can mark as Read/Unread the email after opening. Accordingly, the Pending email count would be updated. This solution is built on Dynamics 365 and seamlessly works on Dynamics CRM 2016 and above

Click here for <u>Configuration and Functionality</u>

Email Machine Learning

Email Machine Learning solution is an add-on feature to dynamics 365 CRM (Online) to translate email text messages into English and analyze its sentiments using Azure cognitive services. This feature enables organizations in understanding customer's likes and dislikes. It also helps business users to make sure it gives the reader intended impression.

- Email Machine Learning offers
- Language translation email text message -
- Translate text message into English by using Azure Cognitive Text translation API.
- Sentiment analysis score for email text message -
- Azure Cognitive Text analytics API returns a numeric score between 0 and 1. Scores close to 1 indicate positive sentiment, while scores close to 0 indicate negative sentiment. Sentiment score is generated using classification techniques.

This solution is built on Dynamics 365 and seamlessly works on Dynamics CRM 2016 and above Any suggestions/feedback from your end using Email Analytics would help us at Microsoft Labs to define the roadmap of this solution to its future. Microsoft Labs does not offer an ongoing customer support for this solution. It would be ideal to test run the solution in your pre-production environments before installing in your production environment.

Click here for Configuration and Functionality

Speech-To-Text

The Speech-to-Text solution will help users to convert the audio into text in given entity using Azure Cognitive Services (Bing Speech API). The solution enables users to transcribe audio into text in real time and supports to receive the intermediate results of the words that have been recognized so far. The solution also supports end-of-speech detection. In addition, users can choose additional formatting capabilities, like capitalization and punctuation, masking profanity, and text normalization. It supports multiple local languages also.

Click here for Configuration and Functionality