

AGILEDIALOGS DESIGN GUIDE



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AgileDialogs Design Guide

1. Introduction

This document describes the usage of AgileDialogs from dialog designer perspective.

With AgileDialogs, Business Power Users can create dialogs or scripts to gather information from users and save this information either in Microsoft Dynamics CRM or other systems.

The terms 'AgileDialog' and 'dialog' are used interchangeably in the rest of the document. To avoid confusion, *CRM's own dialogs*, are referred to as such, in *italic*.

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2. AgileDialogs Basics

An AgileDialog is a visually designed model comprising of a set of UI steps (Page Forms) and optionally, automatic system steps. The interface presents data and questions to an end-user to inform or get input from the end-user. The flow is modeled using MS Visio.

AgileDialogs can be used for many purposes, for example:

- Self-help guides
- Troubleshooting wizards
- Call Scripts in Call Centers
- Help users fill out a complex form
- Create Surveys
- Create Tests & Exams

AgileDialogs can be executed standalone, meaning the dialog is not part of an AgileXRM process, or they could be part of a business process, that is, the execution of the dialog is a task assigned to an end-user. From the end-user's perspective, a dialog is a set of questions that he/she must answer in order to perform a task. Within the dialog, the user can go forward or backward in order to fulfill the required task. The dialog is presented to the end-user using a Silverlight-based Dialog Render Engine.

2.1 AgileDialogs Design Concepts

These are the basic concepts that an AgileDialog designer must know.

2.1.1 Dialog Model

An AgileDialog Model is a business process drawn and configured in Envision (MS Visio), used for "holding a conversation" with an end-user. This process is different from other AgileXRM processes, as all the tasks are executed **synchronously** by the end-user; there are no task assignments or tasks lists involved.

AgileDialogs can contain manual tasks (form pages), decision points (based on context data) and automatic activities (to interact with XRM repository or other systems).







2.1.2 Question

This is the basic unit of a dialog. Each question corresponds to a control (e.g. Textbox, Listbox, Radio Button, etc.) that is presented at runtime to get information from the user. Each question has a caption, where the designer can specify the content of the question. Beside this caption, the designer can optionally add a tooltip and further help. The content of the controls can be static or dynamic. For example, there is a control that presents a grid using a query to retrieve data from the XRM repository.

2.1.3 Page

Dialog questions are grouped in pages (a page is a form with a set of controls). Each Page is a step in an AgileDialog model as defined in Envision. Between pages, the modeler can include decisions and automatic activities to control the flow and interact with the XRM repository or other systems.





Address Type Billing •	CL Avenue		
Street name		Address 2	<u>A</u> • n <u>4</u>
Zip Code 🛕 City]]
Madric	1	•	
Picklist		•	

2.1.4 SubDialog

This is for calling an AgileDialog from another AgileDialog. It helps organize complex dialogs into manageable pieces, as well as for creating reusable SubDialogs that can be reutilized in different dialogs.

2.1.5 Validation

AgileDialogs provides validation features.

All controls have a *Required* property, when this is TRUE, the user must fill the control to continue with the dialog.

user. Below are various types of data entry validation associated to them. Hover on the everything can have a dynamic value, incluu can have a Tip, shown by hovering on the q shown by clicking the Read more link in control's value are demonstrated]	controls: Text, Password, DateTime and File Upload. Some have exclamation triangle to see the validation error message. Note that ding the validation rule or even the validation error message. Controls juestion mark icon, with the possibility of adding a further Help page, the Tip. Also conditional behavior of a control based on another
Standard Textbox	Textbox with Dynamic Default Value
	<pre>\${di_firstname} \${di_lastname}</pre>
Textbox with Dynamic Validation Rule 🛛 👔	Textbox with Required flag set This Field is Required
Password Control	DateTime Control
Option Control (select an option)	Control that is shown conditionally
Option Control (select an option) United States Furone	Control that is shown conditionally

In the case of Text controls, there is specific validations to check max length for strings, validate using regular expressions or type (validate that a string is an integer, decimal,...). Additionally, the designer can include JavaScript code to perform more complex validations.





2.1.6 Context

The dialog has access to a context. These are dynamic values which are used in the dialog. The context available depends on these criteria:

	Context available in dialog
No Main Entity set	1. Preset Process Variables
	2. Responses from Questions
Main Entity Set	1. Preset Process Variables
	2. Responses from Questions
	3. Main Entity Schema

The following 4 Preset Process Variables are only usable if the AgileDialog is executed as a Task in an AgileXRM Process, and help to interact with the parent process and the entity record it is managing:

Process Variables			
ParentProcessRe	cordID		
ParentProcessRe	cordType		
RunDialogTaskPl	ID		
RunDialogTaskW	1D		
Image: Hereic management of the second s			
Search Variable			
		ок	Cancel
		CA	Carloci

- *ParentProcessRecordID*: ID of the main entity in the parent process that contains the task. This ID can be used to work with the record in the dialog (e.g. Update its status)
- *ParentProcessRecordType*: Type of the main entity in the parent process (e.g. *account*)
- *RunDialogTaskPIID*: Process instance ID of the process that contains the task that corresponds to the execution of the Dialog. This can be used, for example, to update a variable in the context of the parent process from within the dialog.
- *RunDialogTaskWID*: ID of the *Workitem* that corresponds to the execution of the Dialog. This is for information purpose only and has no other use.





3. AgileDialogs Design

There is a specific Visio template to create AgileDialogs:



When this template is selected a new AgileDialog is created. The first thing to do is to configure the interaction between the dialog and XRM in *XRM Connection* window.





3.1 XRM Connection Window

This window can be reopened at any time from the AgileXRM Ribbon.

3.1.1 Connection Tab

Connection	Entity	AgiieDialogs			
AT XRM :	Server	http://localh	ost:5555/		
Organizat	ion name	AgileXRMorg	1		Tes
			Credentials		
Desig	gn Time		[]		
Serv	credentials	i			
Logon a	IS:				
Domain					
User					
Passwo	ord				
				016	6 1

In this tab, design-time connection configuration is set. These values do not affect runtime, only design-time. So when a dialog is moved from one environment to another, there are no hard-coded values in it.

3.1.2 Entity Tab

Setting Main Entity is **optional** in AgileDialogs. There is no need to set a relationship between the dialog and a record in XRM.

	XRM Connection
Connection	Entity AgileDialogs
	Context Entity
Main Entity	Account Patriava Entitica
Main Chuty	
	Entity Hierarchy
📄 🖃 🗃 acco	unt 🔺
📄 🖗 🎑 1	n
	🚏 AgilePoint Process(ascentn_agilepointprocess)<-aprel_accountid
	🚏 Order(salesorder)<-customerid
	Connection(connection)<-record1id
	we Customer Relationship(customerrelationship)<-customerid
	Customer Relationship(customerrelationship)<-partnerid
	Case(incident)<-customerid
	pportunity(opportunity)<-customend
	Contract Line(contractdetail)<-customerid
	Address(customeraddress)<-parentid
	Note(annotation)<-objectid
	Contract(contract)<-billingcustomerid
	St Opportunity Relationship/customeropportunityrole) & customerid
	OK Cancel





Tip: If you wish to set the relationship between the dialog and the record in XRM (this is useful for using context data filters in AgileMonitor), then set *CrmBeType* and *CrmBeld* parameters using an *Update Custom Attributes* shape at the beginning of the dialog:

Custom Attributes :		
AttributeName	Expression	
CrmBeType	<pre>\${ParentProcessRecordType}</pre>	Schema
CrmBeId	<pre>\${ParentProcessRecordID}</pre>	
		Add Add
		<u> </u>
		DRemove <u>A</u> ll
lessage :		
		View <u>C</u> ode
		🔽 Verify
		X Cancel
		_

This also means that the dialog will be shown in the *View Process* tab for the related record in XRM.

3.1.3 AgileDialogs tab

In this tab, the title to show to the user is set. This title is presented at runtime at the top of the AgileDialogs runtime window.

	XRM Connection	<u>}</u>	
Connection Entity	AgileDialogs Process Nar	ne	
	Configuration		
Dialog Title	This is the title of the Dial	Dg	
	Enable Comments C	ontrol	
	Enable Process View	er	
	Breadcrumbs Enable	d	
	Enable Cancellation		
	Enable Review Com	nents	
	Available to start as	a stand alone dialog	
Page Width	800 🚔		
		ОК	Cancel





Also there are several parameters that can be configured here:

- Enable Comments Control: when checked, a textbox is shown throughout the dialog to get comments from the user. These comments are persisted in a dialog context variable called **ProcessNotes**. For example, the value of the comments can be added as a *Note* to a *Case* using an *Add Note* shape
- Enable Process Viewer: when checked the user will see a Viewer button for accessing the AgileXRM Process Viewer. This is useful for dialog testing and demo purposes. **NOTE**: It is not for production environments and should never be set
- Breadcrumbs Enabled: Breadcrumbs are used to break a sequential process into stages and informing the user in which stage they are (e.g. Login → Order → Payment → Confirmation). This should be only selected if all steps in the AgileDialog are Sub-Dialog shapes. If checked, a breadcrumb is shown at the top of the dialog at runtime. As execution moves from Sub-Dialog to Sub-Dialog, the title of the active Sub-Dialog is highlighted in the Breadcrumbs control at runtime
- *Enable Cancelation*: When checked the user can cancel the dialog in the middle of the execution
- *Enable review comments*: while creating the dialog, this option can be used to allow testers to send feedback to the dialog designer. When this option is checked, a Review button is shown at runtime and the tester can add comments at any step of the dialog

Sack C History Cancel Review Print Next			
) Back C History Review Cancel Review Print Next	ments introduced by the user through the	ne Dialog	
Back History Kiewer Cancel Print Next Image: State of the stateo			
Back History History Next Image: Second seco			
S Back ⊇ History 👷 Viewer Cancel 🔏 Review 🚄 Print 🕄 Next 🚱 Next			
Calce C Process C C Process C C C C C C C C C C C C C C C C C C	Reals Statement Real View	una Canada A Daviana 🕞 Driat	101
🛛 👘 🗘 Local intranet Protected Mode: Off	Back De History Cor View	wer Cancel 🥂 Review 🦓 Print	Next 🖌
		S Local intranet Protected Mode: Off	🕼 🛪 🔍 100% 🔹
			ju ju j
			an' i
	Back History	Cancel 🛛 🖉 Review	A Print
Back Alistory Q Viewer Cancel Arise Print			
🄊 Back 📑 History 🕰 Viewer Cancel 🌌 Review 📑 Print			
🄊 Back 🛛 🚔 History 🖙 Viewer Cancel 🧭 Review 📑 Print			

• Available to start as standalone dialog: When this check is selected the dialog can be started from AgileXRM SharePoint WebPart if the user has permission.





• *Width:* This is the width (in pixels) of the pages of the dialog at runtime. If the value is 0 the page width will be all space available. For instance, this is a dialog with width set to 800:

This is the title of the Dialog	
whites	
Comes Sprawer to anythic forwares that of the produce and hyperbring industry. Learning Sprawer has been the industry's granded Another, there are inservine to SICOL, where an undervice product and a splice of these and any variable of the makes a type spectrum. Brance In this survived net only find constance, but while the baginess electronic togenetting.	
*Addram Tuoc 0 (Biling +	
• Sheat rane	
•Adma 2 &	
• Zp Cold • Czy Hodra • Czy	
*personent A. *uniform A.	
• Columnia	
Steer Server Core Areas Areas	
	*, 100% ·

3.1.4 Process Name tab

In this tab the designer can configure the name of the process instance that will be associated to the dialog. This name is presented in Process Manager and is useful to know the context of the dialog while monitoring it. For instance, if the dialog is associated to a contact, it is useful to set the name of the contact as instance name to know who de dialog is associated to.

The value of the name can be parameterized with context data. The name is set when the dialog is started so the parameters used in the name must have value when the dialog is started.

This name is not the same as the dialog title; the dialog title will be presented to the user that runs the dialog, whereas process name is used internally by process managers.

		X	RM Connection)	
Connection	Entity	AgileDialogs	Process Name		
Process instance	name:				
Registration Dalo	g for: \${Con	tactName}			0
				OK	Grand
				OK	Cancel

This tab is available when opening this window from *AgileXRM* ribbon (using *AgileXRM Settings* button).





4. AgileDialogs Shapes

In Envision, these stencils contain the shapes specific to AgileDialogs:

Quick Shapes hare	XRM External Connector
Quick Shupes here	XRM External Connector
	Drop Quick Shapes here
Page Form	
Dialog Task	Create Internet
Dialog Task	- Internet rusk

There are 5 shapes in total, four in the XRM AgileDialogs 2011 stencil and one in the XRM External Connector stencil:

- 1. *Page Form*: a step in an AgileDialog where the form is configured. The form can contain multiple controls of various types
- 2. *SubDialog*: Allows calling another AgileDialog where this step is used. There are two important differences with *CRM's own sub-dialog* functionality:
 - 1. A SubDialog step can be used anywhere in an AgileDialog, and not just as the last step
 - 2. The *Back* button works correctly no matter how complex the hierarchy. In *CRM dialogs*, it is not possible go back to the parent dialog; breaking the end-user experience.
- 3. *Dialog Task*: used in an AgileXRM Process as a Task for a Power User. Upon opening the task in CRM, the user is presented with the associated AgileDialog. The Task is *Completed* when the user completes the dialog.
- 4. *Intranet Dialog Task*: used in an AgileXRM Process as a Task for a Standard User. Upon opening the task in the Portal, the user is presented with the associated AgileDialog. The Task is *Completed* when the user completes the dialog. User authentication in the Portal is via Active Directory.
- 5. Internet Dialog Task: used in an AgileXRM Process as a Task for an External User. Upon opening the task in the Portal, the user is presented with the associated AgileDialog. The Task is *Completed* when the user completes the dialog. User authentication in the Portal is via a custom *MembershipProvider* using CRM Contacts.





4.1 Page Form Shape



This shape is only usable in AgileDialogs. It cannot be used in AgileXRM processes. When a dialog is run, this shape presents a form to the user.

AgileDialogs - Windows Internet Explorer	_O×
💽 🗢 🔊 http://ocalhost:8888/AgileDialogsWeb/AgileScriptsSLRunTime.aspx?orgname=agilexrmorg& 🔄 🕺 🍫 🛪 🔽 📴 Bing	₽ -
y Favorites 🙀 🛅 Portal 👍 XRM	
🛛 🔹 🏄 AgleXRM User Roles: Active 🎉 AgleDialogs 🗙 🎉 Processes 👘 🔹 🔂 🐑 🗔 🐇 🖉 Bage 🐑 Safety 🗠 Too	ls • 🔞 • 👋
This is the title of the Dialog Changed	-
5 5	
address	
.orem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy	
survived not only five centuries, but also the leap into electronic typesetting	
Address Type CL	
• Street name 🛕 • Address 2 🛕 • 🛕	
Addid	
Picklist	
London 🔹	
password	
🔊 Back 🔄 History View Dialog Cancel	-

At runtime, the AgileDialogs window has several parts:

- The top part shows the title of the dialog. This title is shared by all steps in the same dialog
- Under the title of the dialog, the title of the page is presented
- In the main area, the questions/controls are presented. This is the section that changes to show the corresponding questions for each Page Form
- In the bottom of the window there is a button set that allows the user to interact with the dialog





4.1.1 Form Configuration Window

This window is used to configure a form in AgileDialogs, and is comprised of 4 sections:

Form Questions	Configuration Help Advanced			
de Jestos	Name efo	Display Name Infod		
a da_valdationtextbox	Type (just)	18		
da_passwordtextbox	and a second sec			
da_calendar	Question Caption			
da_conditional	Times New Roman + 3 + B / J	u 🛆 🐁 🖬 🐨 🕰		
	[This plotthows some mechanisms are data from the suor. Below one various t and File Upload. Some have validation to see the validation rule or even the validation the validation rule or even the validation however on the ouestion mark icon. with	allable in AgileDialogy pages to ownare we get pypes of data entry controls: Text, Password, D associated to them, Hover on the exclamation te that everything can have a dynamic value, it merror message. Controls can have a Ty, sho th the vossibility of addine a further Helo vare the vossibility of addine a further Helo vare	the right warme prangle neluding . shown	-
Form Properties	(This page shows some mechanisms available in user, Beine are varinous types of data entry con- validation associated to them, Hover on the excl everything can have a dynamic value, including can have a To, thom by havening on the quasi- shown by clicking the Read more Ink in the T control's value are demonstrated]	AgidDisabaga pages to ensure we get the right data. Solar Tarth, Pascowal, DateTime and File Upliad. Som lamation transple to see the validation error message the validation. Using or even the validation error message ion mark icon, with the possibility of adding a further mark icon, with the possibility of adding a further Tip. Also conditional behavior of a control based on an	riom the have Note that pe. Controls relis page, other	
able Back (Clear History)	Standard Textbox	Testbox with Dynamic Default Value		
nt Enabled		\$(di_firstname) \$(di_lastname)		
	Textbox with Dynamic Validation Rule 🛛 🎪	Textbox with Required flag set		
	Password Control	DateTime Control		
				Same
				Carces





1. **Question List**: In the top left part of the window it lists the questions/controls that are already added to the form. These are identified by the name of the variable which will store the value provided by the user:



The buttons on the bottom are used to *Add* and *Remove* questions and to move them *Up* and *Down* in the form.

2. **Question Configuration**: To configure a specific question, select it in the list, and the properties of the selected question are presented on the top right:

Configuration Preview On Los	ad Script
info	Name rfo Display Name rfod
da_validationtextbox	Type INFO *
da_calendar	Question Caption
da_conditional	Times New Roman 🔹 3 🔹 🖪 🖌 💆 🔔 🦓 🌌 🛛 🛣
⊷ <u>t:</u>] da_file	[This page shows some mechanisms available in AgileDialogs pages to ensure we get the right data from the user. Below are various types of data entry controls: Text, Password, DateTime and File Upload. Some have validation associated to them. Hover on the exclamation triangle to see the validation error message. Note that everything can have a dynamic value, including the validation rule or even the validation error message. Controls can have a fips shown by hoverine on the auestion mark icon, with the vossibility of addine a further Help vare. shown





3. **Page Preview**: The bottom right side of the window shows a preview of what would appear at runtime:

tandard Textbox Textbox with Dynamic Default Value \${di_firstname} \${di_lastname} extbox with Dynamic Validation Rule A • Textbox with Required flag set A	
\${di_Isstname} \${di_lastname} extbox with Dynamic Validation Rule • Textbox with Required flag set • Textbox with Required flag set assword Control DateTime Control <m d="" yyyy=""></m>	
extbox with Dynamic Validation Rule	
assword Control DateTime Control	
ption Control (select an option) United States United States United States	
Other le Upload Control Browse.	

4. Form Properties

Disable Back (Clear History)	If checked, when the dialog arrives to this page, the dialog history is cleared and the <i>Back</i> button becomes disabled. This is useful when the dialog designer decides to block the user from going back to previous steps to this one. Used when previous steps include automatic system steps that should not be repeated
Print enabled	When checked the <i>Print</i> button is presented so that the user can print the content of the page. Especially useful for Confirmation or Summary type pages

4.1.2 Question Configuration

These are the properties used in the configuration of a question:

Name (ValueVariable): this is the name of the variable to store the value that the user enters/selects at runtime. This name must be unique at page level. It does not need to be unique in the whole dialog, but its value is to be referenced and used in another place, using this format *\${ValueVariable}*, then the dialog designer should make sure a duplicate variable in another question is not interfering inadvertently.





- **Display Name** (*DisplayVariable*): when the control is a checkbox or a radio, there are 2 values to take into account when the user selects an option, one is the internal value (stored in the *ValueVariable*) and the other is the display name. For instance in a list of customers in a combo, when a user selects one, the *ValueVariable* is set to the ID of the customer and *DisplayVariable* is set to the name of the customer (as seen on the form). This value can be used in other steps using this format *\${DisplayVariable}*
- **Type**: This is the type of the control. This field is read-only and is set when a new Question is added to the Page.
- Question caption: This text area contains the text presented to the user. This text can be formatted (color, size, italics, bold, etc.). This field can contain images. Due to security restrictions in Silverlight these images must be in the same web server that AgileDialogs runs, if these images are in other server, *History* feature will not work.

The content of the question can include dynamic values using *\${variablename}* syntax. The context button and be used to open the context window and include dialog variables in the caption. To paste content from other applications use the Paste button provided. Not all HTML content is supported by this configuration tool and content copied from applications like Word, for instance, can cause unexpected behaviors.

• **Options**: When the selected control shows a set of options to the user (combo control, radio, ...), these options can be configured as static (set at design time) or dynamic (can be linked to a filtered lookup in the XRM repository). For this controls the *Options* region is enabled:

Name	combo]	Required	Options © Static	
Display Name	combod	Туре	СОМВО	C Dynamic	Configure
Question Captio	n				
Times New Roma	n • 3 • B I U 🛕 🍕	. 🛃 🗹	2		
Combo sam	ple				*

This window is used to configure static options:

	Display	Value	1
	Spain	1	
	USA	2	
	Germany	3	
▶*			
	5		
		OK Ca	ncel





This window is used to configure a query to get the values to be shown in the control:

	Advanced Find		
Query Columns Save Output Test			
Opportunity/Opportunity)			
AND I			
Account (accounted) a Faul	• •/Salardard Account)	121	
Contra (accounter) [2] Edga	algeoree.consel		

These queries can have dynamic filters (e.g. show opportunities whose Account is the value of *\${SelectedAccount}*).

• Help tab is used to configure HTML content to help the user with this question. This help is presented in a modal window:



This HTML content can have references to external images. The images should be hosted in a web server and the URL should be accessible at runtime by the user. At runtime, the help is accessible in the tool tip for the control via the link *Read more...*:

Address Type	•	Read more		
Billing	-	Calle	•	
-				







4.1.3 Page Canvas

To permit an optimum use of the screen real-estate, AgileDialogs allow presenting the controls, not only one below the other, but also in a grid format.

When the form is presented, the runtime engine measures the available horizontal space and based on this, calculates the number of columns available (each column has a default size of 55 pixels). Questions can be expanded to several columns using *ColumnSpan* property and can be put concatenated to the previous row using *AllowAlign* property. These setting are in the Advanced Tab.

4.1.4 Question Configuration Advanced Tab

Each type of control has a set of specific properties to configure its behavior. These specific properties are configured in the *Advanced* tab. Besides these specific properties, there are some properties common to all corrected to the set of the set o

Besides these specific properties, there are some properties common to all controls.

AllowAign False ColumSpan 8 ControlWidth 0 Default/Value 0 Description 1 Display/Variable 1 IsReadOnly False Movementh 1000	
ColumsPan 8 ControlWidth 0 Default/Value 0 Description Display/Variable Isplay/Variable 1 Navi eroth 1000	
Control/kith O Default/Value	
Default/Value Description Description Display/Variable IsRead/Only False MaxLength 1000	
Description Image: Constraint of the second of	
Display/Variable False IsRead/Only False Max/ endth 1000	
isReadOnly Faise Variation Variatio Variation Variation Variation Variation Variation	_
MaxLength 1000	
Too Too	
Multiline False	
RegularExpression	





Common properties are:

- *Required*: When *true*, the user must select or introduce a value in order to continue
- *AllowAlign*: When this value is true, the control will be concatenated to the previous row (if space is available). This is used for presenting several controls in the same row
- *ColumnSpan*: This is the number of columns that the caption will use. The total number of columns will depend on the space available in the client window. Controls will be rendered using the value of this property in combination with *AllowAlign* property
- *Description*: This is the text of the tooltip to show with the control

Address Type		- CL				
Billing	•	Calle	•			
Street name				🕜 Tooltip text		
est					_	
1						

• *ControlWidth*: this is the width of the control in pixels (for instance the textbox) in the question. By default the width of the control is the same that the width of the caption

Control with width set to a value lower than caption	width 🗘

- *DefaultValue*: This value is set when the question is loaded at runtime. This is the default value of the control. In selection controls, this value must be the value of the option, not the display name.
- IsReadOnly: When true the control does not allow the user to change its value.

Question-specific parameters are explained for each Question-type below.





4.1.5 Values for Combo, Radio and Check controls

Static Values

To configure static values, select *Static* in the options region and click *Configure*:

ame	combo		Required	-0	 Static 	
isplay Name	combod	Туре	COMBO	Ŧ	C Dynamic	Configure
uestion Capti	on					
imes New Rom	an 🔹 3 💽 B 🔏 <u>U</u>	🛓 🍓 📓 🗹	1			
Combo san	nple					

The Options Editor will be open:

	Display	Value	
	One	1	
	Two	2	
I	Three	3	
*			

When the options are presented to the user and he/she selects it, the Display content is stored in the dialog context in *DisplayVariable* and the Value content is stored in *ValueVariable*. The order of the options can be changed using the Up & Down icons buttons.

Dynamic values using a XRM query

To configure a dynamic lookup to retrieve the options, select *Dynamic* in the options region and click *Configure*:

ame	combo]	Required	Options C Static	Carfaura
isplay Name	combod	Туре	COMBO	Oynamic	Configure
uestion Captio	'n				
īmes New Roma	n • 3 • B I U 🔺 🦉	. 🔺 🗹	' 🖺		
C 1	-1-				*
Combo sam	pie				





This window is presented to configure the query:

		Advanced Find	}]
Query Columns S	ave Output Test				
- Account(Account)	•				
AND V					
Address 1: Uty (ad	In • Equal	 \${SelectedUty} 			
×				ОК	Cancel

The filters can be dynamically built using dynamic values (using *\${ContextVariableName>}*). In the *Columns* tab select a single field as the Display value for the control. The Value part of the control will be the record ID:



NOTE: When values are dynamic, the control is not shown in the Preview area.





Dynamic values from an Option Set in XRM

Combo and radio controls allow to be filled with values from *Option Sets* configured in XRM. To configure this behavior go to *Advanced* tab and configure the *FieldAndEntity* property to open the *OptionSet Selector*:

Entity	Account/account)
Linuty	
Field	Category (accountcategorycode)
	OK Cancel

4.2 Question Types

Currently the following question types are available:

- Textbox
- Combo
- Radio
- Check
- Info
- Yes/No
- Calendar
- Lookup
- XRM Grid
- File
- Custom Control
- Password

Each type has specific configuration besides the common properties.





4.2.1 Textbox

- *MaxLengh*: This is the maximum length of characters allowed in the textbox
- *Multiline*: When *true*, the control allows multiple lines of text:



- *RegularExpression*: This field allows including a regular expression to validate the content of the textbox (the content of the validation message can be set in *ValidationMessage* parameter)
- *TextControlContentType*: The values allowed are: String, Number, Decimal and DateTime. The format of the text is validated to check that it corresponds to the type specified in this field (the content of the validation message can be set in *ValidationMessage* parameter)
- *ValidationMessage*: The message that will be presented when the content not match the validation rule:

Zip Code This is the error message Madrid	•

4.2.2 *Combo*

This control presents a set of options in a combo box (Currently the edit part of the combo is disabled and the combo control behaves as a standard drop-down list box). Combo can show:

- Static values
- Dynamic values

See Values for Combo, Radio and Check controls for details.





4.2.3 Radio

This control is used to show a set of options to the user and allows selecting only one of them. These values can be:

- Static, set at design time
- Dynamic

Radio Button Sample	
🔘 One	
🔘 Two	
O Three	

This control can also be used show a set of Action buttons. By selecting the option, the user has in effect selected the option and clicked the *Next* button. In order to activate this behavior, in *Advanced* tab set the *ShowAsButtonSet* property to *true*. This action also hides the standard *Next* button:

Radio Button	Sample (as b	outton set)	
🔄 One	Two 🖸	🚰 Three	

4.2.4 Check

This control is used to show a set of checkboxes to the user and allows multiple selections. The values shown to the user can be:

- Static, set at design time
- Dynamic

Check Boxes sample	<u>^</u>
One	
Two	
Three	





4.2.5 Info

This control is used to present information to the user. There is no input associated with this control. Dynamic values can be included using *{variable}* syntax.



4.2.6 Yes/No

This control is the same as a *Radio* control with 2 preset options:

- Yes (true)
- No (false)

Yes/No Sample	
Yes	
O No	

4.2.7 Calendar

This control shows a date picker and an optional time picker to the user:

alenuar samp		
<m d="" yyyy=""></m>	15	

In order to only show the date picker, in the *Advanced* tab set *DateOnly* property to *true*.





4.2.8 Lookup

This control presents a control that allows looking up for records in XRM repository and provides autocomplete features (after typing the 3rd character) to help user select a value.

Microsoft		2
Microsoft		

When the user clicks the Search icon on the right, the lookup window is opened:

			Luis	1
Full Name	Access Mode	User Name	Last Name	
uis Perez	Read-Write	AGILEPOINT\Administrator	Perez	

The query used to filter the records presented to the user, is configured by clicking the *Configure Lookup* button. The fields presented in this lookup window are configured in *Columns* tab of the *Advanced Find* window.

	Advanced Find	
Query Columns Save Output	est	
Contact De contact (contact_master_contact) De rotact (contact_master_contact) De rotact (contact_master_contact) De systemuser (Ik_contactses_createdy) De systemuser (Ik_contactses_createdy) De systemuser (Ik_contactses_modified)) De systemuser (system_user_contacts) De systemuser (contact_contacts) De owner (contact_customer_accounts) De lead (contact_created_modified) De lead (contact_contacts) De contact (contact_customer_contacts) De lead (contact_customer_contacts) De contact (contact_customer_contacts) De lead (contact_customer_contacts) De systemuser (lk_contact_modified) De systemuser (lk_contact_modified) De systemuser (lk_contact_sontacts) De lead (contact_customer_contacts) De sotatter (contact_sontacts) De supremuser (lbusiness_unit_contacts)	vrlact)	stemuser) stemuser)
		OK Cancel





The first column is used for the auto complete textbox as display value.

The records returned by this query can be paginated using the property *PageSize* in *Advanced* tab. By default the value is 0 (no pagination is used).

4.2.9 XRM Grid

This control presents a grid with the records selected with a query configured using *Configure Lookup* button.

This control can be configured to behave in 3 different ways:

• Allow single selection: in Advance tab set AllowMultiple property to false.

	Full Name	E-mail
)	Antonio Perez	antonio@demo.com
)	Marcos Sanchez	marcos@demo.com
)	Luis Perez	luis@demo.com

• Allow multiple selections: in *Advance* tab set *AllowMultiple* property to *true*.

F	Full Name	E-mail	
4	Antonio Perez	antonio@demo.com	
P	Marcos Sanchez	marcos@demo.com	
L	uis Perez	luis@demo.com	

 Readonly: In Advance tab set ReadOnlyGrid property to true. This behavior is useful for summary pages.

Full Name	E-mail
Antonio Perez	antonio@demo.com
Marcos Sanchez	marcos@demo.com
Luis Perez	luis@demo.com





The fields presented in the grid are configured using *Configure Lookup* button, and configuration in the *Columns* tab:



When multiple selection is allowed, the values selected by the user (the GUIDs of the records) are stored in the Value variable separated by comma. This format can be used in other AgileXRM shapes like *Update Entity (Multi)*.

In this control *DisplayVariable* has the same value as the *ValueVariable*.

The records returned by this query can be paginated using the property *PageSize* in *Advanced* tab. By default the value is 0 (no pagination is used).

4.2.10 File

This control is used to allow the user to upload files.

The maximum size allowed can be configured in the parameter *MaxFileSize*.

upload a file	ote for customer.doc
Upload a file	No file selected. Max file size is: 10 Ks.





There are 2 options to manage uploaded files:

- Upload them to server file system (recommended for testing purposes only).
- Upload them as an attachment to a custom entity in XRM called *AgileDialogs Temp Attachments* (this entity is created by AgileXRM setup). This is the approach recommended for production environments.

This behavior is configured at server level in AgileDialogs application:

Ele <u>V</u> iew <u>H</u> elp		
Average of the set of	Application Settings Use this feature to store name and value pairs that managed code application use at runtime. Group by: No Grouping Name * Value Entry T AglefonitServerUrl http://acalhost:8888/Agl Local CodeDebugMode true Local MyNotificationsServiceUrl http://acalhost:8888/Agl Local Process/leverUrl http://acalhost:8888/Agl Local Process/leverUrl http://acalhost:8888/Agl Local UtDebugMode true Local UtDebugMode Local UtDebugMode Local UtDebugMode Local	Actions Add Add Pe Pe Add Add Online Help Online Help
	Features View	

In order to use the XRM entity, the *UseAgiledialogsAttachmentsEntity* setting must be set to *true*. When a file is uploaded a unique name is assigned to it and stored in *ValueVariable* value (*DisplayVariable* contains the actual name of the file).

This name can be used either to find the file in the file system or to find the record in the entity *AgileDialogs Temp Attachments* that contains the attachment. The Name field (*ascentn_name*) contains this unique name.





4.2.11 Custom Control

This control is used to present a custom control developed in Silverlight using AgileDialogs SDK. See **AgileXRM Developer Guide** for more information.

To configure the control, set *DLL* property in *Advanced* tab to the corresponding *DLL* or ZIP file (containing the DLL and DLLs it references), and set *ClassName* property to the name of the class of the custom control.

This is a sample custom control using Bing Maps:



4.2.12 Password

This control is used to present a control to get passwords. The password can be encrypted to be stored securely. To enable encryption, set *Encrypt* parameter to *true* in *Advanced* tab.

	1	
 	•••••	





4.3 SubDialog shape



This shape is used to launch a SubDialog.

Configuration

A SubDialog is similar to a sub-process in AgileXRM. SubDialogs always share the context with the parent dialog. They can be included anywhere in the parent dialog and multiple levels are allowed.

Dialog Property

This window is used to configure the SubDialog to run:

	Process Version
Latest Version	
Specific Version	
Latest Major Version	n
My Dynamic Major	Version
	Version Not Found Behavior
Start Latest Version	n

Process Template	Select which dialog to run, from the list of AgileDialogs already deployed to the Process Engine
Latest Version	The latest version of the SubDialog will be used at runtime
Specific Version (*)	The selected version will always be used
Latest Major Version (*)	The highest minor version of the selected major version is used
My Dynamic Major Version (*)	The same as Latest Major Version but the major version number is the calling dialog's Major Version
Start Latest Version (if not found)	This configures the behavior of the shape if the version setting above is one of the ones with an (*) and that version does not exist at runtime. In the case it will behave as if Latest Version was selected
Throw an exception (if not found)	This configures the behavior of the shape if the version setting above is one of the ones with an (*) and that version does not exist at runtime. In the case it will make the shape throw an Exception (i.e. process hangs in this shape until the problem is remedied)





NamePrefix property

The *NamePrefix* property can be used to set a readable name for the SubDialog instance, this name is used in *AgileXRM Process Manager* to show a hyperlink to the SubDialog.

4.4 Dialog Task



This activity can only be used in an AgileXRM process template. It cannot be used in AgileDialogs templates. The activity creates a manual task that is completed when a Dialog is completed. The AgileXRM process will continue when the dialog is completed. If the dialog is canceled, a process variable called *DialogCanceled* is set to *true*. This variable can be used to take decisions in the process. The dialog is presented as an IFrame in task form:







Configuration

The configuration is the same as the AgileXRM Manual Task shape; the only difference is that there is a *Dialog* property instead of a *Form* property.

Dialog property

The dialog to be executed by the user is selected using *Dialog* property:

	Process Version
Latest Version	
Specific Version	
O Latest Major Version	i .
My Dynamic Major \	/ersion
	Version Not Found Behavior
 Start Latest Version 	

ect which dialog to run, from the list of AgileDialogs eady deployed to the Process Engine
latest version of the SubDialog will be used at runtime
selected version will always be used
highest minor version of the selected major version is d
e same as Latest Major Version but the major version nber is the calling dialog's Major Version
s configures the behavior of the shape if the version ting above is one of the ones with an (*) and that version es not exist at runtime. In the case it will behave as if est Version was selected
s configures the behavior of the shape if the version ting above is one of the ones with an (*) and that version es not exist at runtime. In the case it will make the shape ow an Exception (i.e. process hangs in this shape until problem is remedied)





InParameters property

The dialog can receive input parameter from the calling process. These parameters can be either static values or dynamic values using the *\${variable}* syntax.

	Name	Value
	DialogVariableName1	\${CallingProcessVariable}
0	DialogVariableName2	StaticValue
*		
_		
_		
	Schema	OK Cancel
_		

OutParameters property

This configuration is used to set context variables in calling process from values gathered in the dialog.

	Name	Dialog Variable	_
ø	NameOfTheVariableInCallingProcess	NameOf The Variable In Dialog	
*			_
			_
		OK Cancel	٦

The *Name* column contains the name of the variable to create in calling process and *Dialog Variable* column contains the name of the variable in dialog to get value from.





4.5 Intranet Dialog Task



This activity can only be used in an AgileXRM process template. It cannot be used in AgileDialogs templates. The activity creates a manual task that is completed when a Dialog is completed. The AgileXRM process will continue when the dialog is completed. If the dialog is canceled, a process variable called *DialogCanceled* is set to *true*. This variable can be used to take decisions in the process. The dialog is presented to the user in the Portal.

Configuration

The configuration is the same as the AgileXRM Manual Task shape; the only difference is that there is a *Dialog* property instead of a *Form* property.

Dialog property

The dialog to be executed by the user is selected using *Dialog* property:

	Process version
Latest Version	
Specific Version	
O Latest Major Versio	n
O My Dynamic Major	Version
	Version Not Found Behavior
Start Latest Version	

Process Template	Select which dialog to run, from the list of AgileDialogs already deployed to the Process Engine
Latest Version	The latest version of the SubDialog will be used at runtime
Specific Version (*)	The selected version will always be used
Latest Major Version (*)	The highest minor version of the selected major version is used
My Dynamic Major Version (*)	The same as Latest Major Version but the major version number is the calling dialog's Major Version
Start Latest Version (if not found)	This configures the behavior of the shape if the version setting above is one of the ones with an (*) and that version does not exist at runtime. In the case it will behave as if Latest Version





	was selected
Throw an exception (if not found)	This configures the behavior of the shape if the version setting above is one of the ones with an (*) and that version does not exist at runtime. In the case it will make the shape throw an Exception (i.e. process hangs in this shape until the problem is remedied)

InParameters property

The dialog can receive input parameter from the calling process. These parameters can be either static values or dynamic values using the *\${variable}* syntax.

	Name	Value
	DialogVariableName1	\${CallingProcessVariable}
I	DialogVariableName2	StaticValue
*		
	Schema	OK Cancel

OutParameters property

This configuration is used to set context variables in calling process from values gathered in the dialog.

Param	ieters	_ = ×
	Name	Dialog Variable
I	NameOfTheVariableInCallingProcess	NameOfTheVariableInDialog
*		
		UK Cancel

The *Name* column contains the name of the variable to create in calling process and *Dialog Variable* column contains the name of the variable in dialog to get value from.





4.6 Internet Dialog Task



This activity can only be used in an AgileXRM process template. It cannot be used in AgileDialogs templates. The activity creates a manual task that is completed when a Dialog is completed. The AgileXRM process will continue when the dialog is completed. If the dialog is canceled, a process variable called *DialogCanceled* is set to *true*. This variable can be used to take decisions in the process. The dialog is presented to the external user in the Portal.

Configuration

The configuration is the same as the AgileXRM Manual Task shape; the only difference is that there is a *Dialog* property instead of a *Form* property.

Dialog property

The dialog to be executed by the user is selected using *Dialog* property:

	Process Version
Latest Version	
O Specific Version	
Latest Maior Version	
My Dynamic Major Ve	rsion
	Version Not Found Behavior
Start Latest Version	
Throw an Exception	
S inten an micephen	

Process Template	Select which dialog to run, from the list of AgileDialogs already deployed to the Process Engine
Latest Version	The latest version of the SubDialog will be used at runtime
Specific Version (*)	The selected version will always be used
Latest Major Version (*)	The highest minor version of the selected major version is used
My Dynamic Major Version (*)	The same as Latest Major Version but the major version number is the calling dialog's Major Version
Start Latest Version (if not found)	This configures the behavior of the shape if the version setting above is one of the ones with an (*) and that version does not exist at runtime. In the case it will behave as if





	Latest Version was selected
Throw an exception (if not found)	This configures the behavior of the shape if the version setting above is one of the ones with an (*) and that version does not exist at runtime. In the case it will make the shape throw an Exception (i.e. process hangs in this shape until the problem is remedied)

InParameters property

The dialog can receive input parameter from the calling process. These parameters can be either static values or dynamic values using the *\${variable}* syntax.

	Name	Value
	DialogVariableName1	\${CallingProcessVariable}
I	DialogVariableName2	StaticValue
*		
_		
	Schema	OK Cancel

OutParameters property

This configuration is used to set context variables in calling process from values gathered in the dialog.

Param	neters	_ = X
	Name	Dialog Variable
Ì	NameOfTheVariableInCallingProcess	NameOf The Variable In Dialog
*		
		OK Cancel

The *Name* column contains the name of the variable to create in calling process and *Dialog Variable* column contains the name of the variable in dialog to get value from.





5. Localization

AgileDialogs contents can be localized in order to provide localized pages to the end user. This way, the same dialog can be presented to different people in different languages, avoiding the maintenance of multiple dialogs (one for each language).

For Power Users, the language choice is based on the user's language setting in XRM.

For Standard or External Users, the language choice is based on their browser's language setting.

The elements that can be localized are:

- Dialog Title
- Page Title
- Question Caption
- Validation Messages
- Display values for options, checkboxes and combos
- Question Tip (Description) and extended Help

AgileDialogs localization is managed using Localization button in AgileXRM ribbon:



This window allows configuring localization for all dialog pages:

	Language Selection]
Afrikaans Albanian Arabic Azeri Basque Belarusian Bulgarian Catalan Chinese (Simplified)	Dutch Spanish <<	
	Localize Dialog Title	
	Available Pages]
address First question New question added Second question Third question		Localize
		OK Cancel





In the upper part of the window, select the languages that you want to translate the Dialog to. Click *Localize Dialog Title* to localize the title of the Dialog to the selected languages:

	Language	Title	
Ø	Spanish	Titulo en español	
	Dutch	Nederlandse titel	
_			

To localize the pages, select them in the list and click *Localize*:

age L	ocalizable Values			
	Control Name	Property	Text	-
	info	Question	<p>Lorem lpsum</p> is simply dummy text of the printing and typesetting indus	
	addresstype	Question	Address Type	
	addresstype	addresstype_Opti	Billing en español	
	addresstype	addresstype_Opti	Shipping en español	
	clType	Question	CL	
	clType	clType_Option_C	Calle	
	street	Question	Street name	-
imes Lor stan a typ	calization New Roman v 3 rem Ipsum is sim idard dummy text pe specimen book	ply dummy text o ever since the 15 k. It has survived	Image:	*





Select each literal to translate in the list of Page Localizable Values and set the localized values. The control to set the localized value changes depending on the type of value, when value allows formatting the advanced editor is presented. For simple values a textbox is presented:

.ocali Span Dutcl	ized Languages iish h		-	
age L	Localizable Values			
	Control Name	Property	Text	-
	info	Question	$<\!\!\text{STRONG}\!\!>\!\!\text{Communication} \text{STRONG}\!\!>\!\!\text{is simply dummy text of the printing and typesetting indus}$	
	addresstype	Question	Address Type	
	addresstype	addresstype_Opti	Billing en español	
	addresstype	addresstype_Opti	Shipping en español	
	clType	Question	CL	
>	clType	clType_Option_C	Calle	
	street	Question	Street name	-
iet Lo Calle	ocalization			
				_

This window allows the translation the display of the options for option, combo and check boxes with static values.

	Control Name	Property	Text
	info	Question	<p>Lorem lpsum</p> is simply dummy text of the printing and
	addresstype	Question	Address Type
•	addresstype	addresstype_Option_Billing	Dirección de facturación
	addresstype	addresstype_Option_Shipping	Shipping en español
	clType	Question	CL
	clType	clType_Option_Calle	Cale
	street	Question	Street name
Direc	cción de facturación		





To localize the title of the step select the row where Control Name column value is *Form* and Property column value is *DisplayName*:

age L	ocalizable Values		_	
	Control Name	Property	Text	_
	Form	DisplayName	address	
	info	Description	Quetion help	
	info	Notes	<p align="center">More help for this question</p> <p align="center"></p>	
	addresstype	Description	Question help	
	addresstype	Notes	<p align="center">More help</p>	
	confimpassword	ValidationMessage	this field is required a lot now	
*			· · · · · · · · · · · · · · · · · · ·	-
iet Lo	calization			_
)irecc	iónl			

To set localizations for different languages, select them in the list of *Localized Languages* and fill localization for each localizable string.

6. Advanced Features

6.1 JavaScript Extensions

Process modeler can add JavaScript code in order to extend AgileDialogs default behavior. These code extensions allow:

- Change control values.
- Add options to selection controls
- Remove options.
- Hide/Show controls.
- Add validation extensions.
- Subscribe to control value changes.
- Collapse or expand Comments control.
- Get Dialog Context.

AgileDialogs page includes a reference to jQuery 1.4 and JSON, so jQuery and JSON components can be used while adding code to AgileDialogs.





To add code to a Dialog lick *On Load Script* in AgileDialogs form window:

Configuration Preview	On Loa	ad Script
Form Questions		Configuration Hel
addresstype		Name

Doing so the script editor is opened to include custom code:

JavaScript Editor	- = ×
alert("Hello World")	
	ancel

The code included in this window is executed after the form has been loaded in the client.

6.1.1 Change Control Value

To change a control value, add this code:

DialogsEngine.setSelectedValue(<controlName>, <newValue>);

Where:

- **controlName** is the value of *ValueVariable* parameter in the question.
- **newValue** is the value to set.

This code can be used to set selected values in textboxes, combos, grids,...





6.1.2 Add options to a selection control

To add an option to a combo, radio or checkbox control, add this code:

DialogsEngine.addOption(<controlName>,<newOptionDisplay>,<newOptionValue>);

Where:

- **controlName** is the value of *ValueVariable* parameter in the question.
- **newOptionDisplay** is the display value of the new option.
- **newOptionValue** is the value of the new option.

6.1.3 *Remove options from a selection control*

To remove an option from a combo, radio or checkbox control, add this code:

DialogsEngine.removeOption(<controlName>,<optionValue>);

Where:

- **controlName** is the value of *ValueVariable* parameter in the question.
- **optionValue** is the value of the option to remove.

6.1.4 Hide/Show controls

To hide or show a control (with the caption of the question), add this code:

DialogsEngine.setVisible(<controlName>, <isVisible>);

Where:

- **controlName** is the value of *ValueVariable* parameter in the question.
- **isVisible** Boolean value, true to show control, false to Hide control.

6.1.5 Add validation extensions

You can add code to validate control values. To do that subscribe to form validation event and the event handler will be called when the validation is performed by AgileDialogs engine. If validation is not OK return a string with the message that will be presented to the user. In order to subscribe to validation events add this code:

```
function myValidationFunction(controlName, controValue){
//Add your validation logic
if(notValid){
    return "This value is not valid";
}
validationHandler.addHandler(myValidationFunction);
```

addHandler method will add a handler to be called when controls are validated by AgileDialogs Runtime Engine. The method added (in this sample myValidationFunction) will receive 2 parameters:

• **controlName:** Name of the control to be validated.





• **controValue:** Current value of the control.

To show a validation message the validation function should return a string message.

6.1.6 Subscribe to control value changes

In order to manage value changes in controls his code must be added:

```
function myChangeHandler (controlName,controlValue){
//add your logic here
}
fieldChangeHandler.addHandler(myChangeHandler);
```

myChangeHandler method will add a handler to be called when a control value is changed. The method added (in this sample myChangeHandler) will receive 2 parameters:

- **controlName:** Name of the control to be validated.
- **controValue:** Current value of the control.

6.1.7 Collapse or expand Comments control.

The control used to get comments from user can be expanded or collapsed using this code:

```
DialogsEngine.toggleNotes();
```

6.1.8 Get Dialog Context

The values selected in other pages by the user can be accessed using this code:

```
var dialogContext = getDialogContext();
var contextValue = arrContext["attrName"];
```

dialogContext returns a collection of name-values with all Dialog context variables.

6.2 Breadcrumbs

AgileDialogs has a feature that allows including Breadcrumbs while the dialog is executed by the user. These bread crumbs are presented in the top of the AgileDialogs interface:

Image: Second state of the decounts: My Active Accounts: My Accounts:					
2 Invoice Creation	3 Invoice Items Management				
	of the Dialog 2 Invoice Creation				

In this sample the user is in the second phase of the dialog (*Invoice Creation*). This feature is used to show the user where he/she is in the Dialog.

To configure a Dialog with this behavior:

- Create a parent process that will contain the phases of the dialog.
- In XRM Connection window check *Breadcrumbs Enabled*.





	XRM Connection
Connection Entity Ag	ileDialogs
	Configuration
Dialog Title	This is the title of the Dialog
Enable Comments Control	
Enable Process Viewer	
Breadcrumbs Enabled	
Enable Cancelation	
Enable Review Comments	
	OK Cancel

• Each phase will be a SubDialog step and the name of the SubDialog shape will be the name of the phase. This feature can be used only in processes where all phases must be fulfilled, there cannot be decisions between phases, and parent process only allows SubDialogs shapes.



6.3 Custom Controls SDK

See AgileDialogs SDK documentation.





6.4 Dialogs Review

AgileDialogs infrastructure allows involving users in the design of the dialogs. To allow users add suggestions or comments enable review comments in *XRM Connection* window:

	XRM Connection
Connection Entity	AgileDialogs
	Configuration
Dialog Title	This is the title of the Dialog
Enable Comments Control	
Enable Process Viewer	
Breadcrumbs Enabled	
Enable Cancelation	
Enable Review Comments	
10	OK Cancel
	UN Cancer

Doing that, a button to add comments (*Review*) is added to Dialogs Runtime:







When a user clicks this button this window is presented to allow the user adding comments:

Remove	Step	Comment	Created
×	address (AgileScriptsDialogs.80)	Missing option in check box list: "Shipping"	6/14/20
4)	Þ
 ↓ pmments)	Þ
• omments Vrong contr	rol size)	•
↓ omments Vrong contr	rol size]	•
◀ omments Vrong contr	rol size		4

In the top of the window the user can see the comments included by him/her for the current dialog instance and the step that the comment is linked to.

All comments are saved in XRM in an entity called AgileDialogs Review Comments.

Each comment has a set of information associated to help the designer to improve the Dialog: the step (AgileDialog Page) where the comment was included, the name of the Dialog, the version, the date and the user that added the comment.

Ter AgleDialogs Review Comment	View	Charts	A.0.0	Customice		All Microsoft	Dynamics CRM				Mike Kelleber Aptei/RM	0
New Est X Delete .	t Anigo Colla	Copy a	Link . a Link .	Start Workflow Dialog	Report	Data	ort to Excel y Adapa Fin	ired d				
iettings 🛛 🙆 🖸	-	ApileDialo	as Review	v Comment: A	tive Aq	ileDialogs Rev	iew Comment		Search for in	cords.		- 0
d waang												-
Customization		activit	¢µu ⇒	created On	2.00.004	Dialog remplate	Dialog Version	Step Name	Username	Status	Status Reason	41
Customizations		13 H730	054307664	6.30/201	0-05 PM	AgiteDialogr	Dialog Template	address (AgirescriptsDalogs &	AGLEPOINT Administra	Active	New	
Dynamics Marketplace	÷.	14 11130		619072021	and the	-green drags		and the production of the	a manual and a function of the			lick
Process Center												her
2 Processes	1											50
Extensions												10
AgrieDialogs Review Comment												g
AglieDialogs Temp Attachments												ŝ
AgileXRM Users												5
AgilePoint System Tasks												
AgilePoint Processes												
Adventerocessiembrates												
Workplace												
👂 Sales												
Marketing												
E Centre												
												1
Settings	-	- 2 of 2 (0 s	selected)								H 4 Page 1 F	
Resource Center		21 .		8 6 0	F. 1	F G H	1. 1. 1. 1.		0 8 5 7	10.00		11

Using XRM views the designer can manage the comments fixing the issues or suggestions that the reviewers have created.





6.5 Preview Configuration

While configuring a Dialog the user that is modeling can preview the pages as the end user will see them (see bottom right in this image):

Export From Import Form		
Import Form		
-ad addressine?	confirmpassword Required	
at number	Display Name confirmosswordd Type PASSWORD - Question Coption	
bwq	Times New Roman 🗐 3 📑 🖪 🖌 🖳 🦓 🖓 🕼	
	confirm	
		-
- 3 3	Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 150s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the lesp into electronic typesetting	
Form Properties	Address Type O Billing ·	
rint Enabled	Street name A · Address 2	
	•• ▲	
	Zip Code Albacete	
	password	

In order to make this preview work some configuration must be set.

To set preview configuration click in Configuration menu and set the right values in this window:

AgileDialogs Preview Configuration	x
http://acalbast:0000//ailaDialassush/AcilaCatistaSI.DunTime_assu/Seconana_acilasmasa	-
http://idcanost.cocc/AgileDialogsweb/AgileScriptsSt.humhine.aspx?orgname=agilexmorg	
Window Size	
Width 800 Height 800	
OK	

The first parameter is the URL of the AgileDialogs page and must include the name of the organization in XRM to get data from.





Window size parameters are useful to see the preview with the expected resolution of the users. Both parameters are shared for all previews for the user.

6.6 Exporting and Importing Form configuration

The form definition can be exported to a XML file or imported from a XML file using the menu options available in Tools menu:

Ø AgileDialogs Form	
Tools Preview On Load Script	
AgileDialogs Preview Configura	ion Help Advanced
Export From	
Import Form	confirmpasswo
addressline2	Diaplay Nama
	Commpassion
city	Question Caption
•a• pwd	Times New Roman 3





6.7 AgileDialogs cancelation

AgileDialogs that are associated to a task (either intranet task or XRM task) can be cancelled by the user if the modeler allows it setting the Enable Cancelation parameter to true:

	XRM Connection
Connection Entity	AgileDialogs
	Configuration
Dialog Title	This is the title of the Dialog
Enable Comments Control	
Enable Process Viewer	
Breadcrumbs Enabled	
Enable Cancelation	
Enable Review Comments	
	OK Cancel

When the dialog is canceled the corresponding task is canceled and the process continues. This dialogs can be automatically canceled when a timer is configured on the corresponding tasks and the task is overdue.





While the dialog is not canceled the user can suspend and open it in the last page whenever he wants. Dialogs that are run on demand (that is, they are not associated with a task) are automatically canceled when Expected Time parameter of the dialog is exceeded:

•	Racio	
	(Name)	AgileDialogs
	Current Version	1.21
	Description	
	Document Reference	
ЭÌ	Expected Time	5 Hourl (s)
ľ	Business Time	False
	Length	5
	Time Unit	Hour
	ModelType	DynamicsCrm
	Owner	Administrator
	Previous Version	1.2
3	Advanced	
	Application	AgileDialogs
	Assembly Name	Ascentn.Crm.Connecto
	Audit Level	High
	Class Name	Ascentn.Crm.Connecto
	Initiate Constraint	ParentChildProcess
	Maximum Session A	Default
	OnComplete	LeaveChildProcessRun
Ξ	Process Reposito	ry
Ξ	Process Reposito Configure Attachme Reference URL	ry {Not Configured}
	Process Reposito Configure Attachme Reference URL	ry {Not Configured}





6.8 Setting a fixed with for the dialog at runtime

Using the Width setting in AgileDialogs tab:

	XRM Connecti	ion
Connection	Entity AgileDialogs Process N	Vame
	Configuratio	n
Dialog Title	This is the title of the D	Dialog
	Enable Comments	Control
	Enable Process Vi	iewer
	Breadcrumbs Enab	bled
	Enable Cancellation	on
	Enable Review Co	omments
	Available to start a	as a stand alone dialog
Page Width	800 🚔	
		OK Cancel

The width of the pages of the dialog can be fixed at runtime so that the content of the dialog will be centered in the screen using the configured width (in pixels):

This is the title of the Dialog	
address	
Lorem Tpsum is simply dummy text of the printing and typesetting industry. Lorem Tpsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galiey of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting	
Address Type Billing	
• Street name da	
+Address 2 k	
• Zip Code 🛕 * City	
Maded •	
- pasavord	
Comments	
Cancel AReview Annot Street	
	+ 100% ·





6.9 Launching AgileDialogs on Demand

AgileDialogs can be launched using a URL, there is no need to have either an associated XRM record nor an AgileXRM task.

An AgileDialog can be used, for instance, to create a record in XRM helping the user to fill the data avoiding the use of complex forms or to get data to call other system using a web service. The format of the URL to launch a dialog is:

http://<SERVER_URL>/AgileDialogs/AgileScriptsSLRunTime.aspx?orgname=<ORGANIZATION_NAME>&DefaultPr ocessTemplate=<PROCESS_TEMPLATE_NAME>

This URL's can be used in portals to allow the users starting dialogs on demand.

In order to make this work the user must have permission to start instances of the dialog template. When the dialog is localized and the link must open a specific language, the URL can contain the Locale ID of the language, the format of the URL in this case is:

http://<SERVER_URL>/AgileDialogs/AgileScriptsSLRunTime.aspx?orgname=<ORGANIZATION_NAME>&DefaultPr ocessTemplate=<PROCESS_TEMPLATE_NAME>&lcid=<USER_LOCALE_ID>

For a list of Locale ID's view <u>http://msdn.microsoft.com/en-us/library/0h88fahh(v=vs.85).aspx</u>.

The value to pass is in the column *Decimal Value*, for instance for *Spanish 3082*, for French 1036, ... When creating a link to open a dialog it is also possible to specify what to do when the dialog is finished. There are

several options based on the use of the query string parameter *AfterSubmit*:

• Close the window when dialog finishes. This is useful when opening the dialog in a new window.

http://<SERVER_URL>/AgileDialogs/AgileScriptsSLRunTime.aspx?orgname=<ORGANIZATION_NAME>&D efaultProcessTemplate=<PROCESS_TEMPLATE_NAME>&AfterSubmit=Close

• Refresh the dialogs page when dialog finishes. This is useful to refresh the Dialogs Engine page to run another dialog.

http://<SERVER_URL>/AgileDialogs/AgileScriptsSLRunTime.aspx?orgname=<ORGANIZATION_NAME>&D
efaultProcessTemplate=<PROCESS_TEMPLATE_NAME>&AfterSubmit=self

• Redirect to another URL. This approach is used to return to the calling page instead of closing the window.

http://<SERVER_URL>/AgileDialogs/AgileScriptsSLRunTime.aspx?orgname=<ORGANIZATION_NAME>&D
efaultProcessTemplate=<PROCESS_TEMPLATE_NAME>&AfterSubmit=<THE_NEW_URL>

6.10 Creating links to complete tasks associated to a Dialog

Sometimes the process modeler needs to send an email to a user with a link to complete a task that consists of a dialog.

The format of this URL is:

http://<SERVER_URL>/AgileDialogs/AgileScriptsSLRunTime.aspx?orgname=<ORGANIZATION_NAME>&wid=<AGIL
EXRM_WORKITEM_ID>&DefaultProcessTemplate=<PROCESS_TEMPLATE_NAME>





When the user opens this URL the dialog is either started (the first time that the user opens this URL) or resumed if the user has not completed the Dialog yet.





6.11 AgileDialogs Security

Configuring permissions for AgileDialogs works like configuring permissions for AgileXRM process, when a Dialog is deployed to server the modeler can configure permissions using the same mechanism that is used for AgileXRM processes.



Process permission can be managed using Process Security button in AgileXRM Ribbon.

Runtime Permissions have the same configuration options that AgileXRM processes

Deserve Manage	A -1- Distance
Process Name	AgileDialogs
Runtime Permissions	Owner
	Owner
	System
	Process Initiator
	Update CRM Cancel

And permission can be assigned based on XRM roles:

AgileX	IeXRM Process AgileDialogs Update CRM						
	Name	Туре	Role	BusinessUnit	-		
Þ	AgileDialogs_System Ad	Cancel Process	System Administrator	AgileXRM			
	AgileDialogs_System Ad	Cancel Task	System Administrator	AgileXRM			
	AgileDialogs_System Ad	CreateWorkItem	System Administrator	AgileXRM			
	AgileDialogs_System Ad	Initiate Process	System Administrator	AgileXRM			
	AgileDialogs_System Ad	MonitorProcessTemplate	System Administrator	AgileXRM			
	AgileDialogs_System Ad	ReassignWorkItem	System Administrator	AgileXRM			
	AgileDialogs_System Ad	RollbackProcessInstance	System Administrator	AgileXRM			
	AgileDialogs_System Ad	SuspendResumeProces	System Administrator	AgileXRM			
	AgileDialogs_System Ad	View Process	System Administrator	AgileXRM			

In order to launch a Dialog the user must belong to a role that has *Initiate Process* permission. AgileMonitor can be used to monitor the state of the instances of a dialog template. The permission *MonitorProcessTemplate* is assigned to allow the users to monitor a specific AgileDialog template.



