## List of Consumer Examples

DocID: EMAJ382L1EX.240

Consumer Example Name																	Fe	eature	e																
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	st	Tunneling Connection	st							ing	ng	VPI Sending generic msg	BCIII	Resume		Api Disp Sub Stream(Msg in Msg)		Programmatic Config	User Specified Config Location	Programatic Local admin			(%			ρ0	Authentication Token			Channel Information	epre	Session Management	Disc		Dic
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ex100_MP_Streaming	Х			_				$\perp$	_		$\vdash$				-	X	4																+	+	+
ex101_MP_QosPriority	Х			_	Х	Х	-+	+	-	+	$\vdash$			$\vdash$	_	X	-	$\vdash$	_	-			_	_								_	+	+	
ex102_MP_Snapshot ex110_MP_FileCfg	Х		Х	-				+	+	+	$\vdash$	-		$\vdash$	_	X X	Х	$\vdash$	_				$\dashv$	-	$\dashv$	-	-		-		_	-	+	+	+
ex111_MP_UserSpecifiedFileCfg	X			+		$\vdash$	-+	+	+	$\vdash$	++	+	-	++	-	<u>^</u>	X	$\vdash \vdash$	X			$\vdash$	$\dashv$	+	$\dashv$	$\dashv$		$\dashv$	$\overline{}$	$\dashv$	$\overline{}$	-+	+	+	+
ex112_MP_TunnelingConnection	X	х		-				$\dashv$			+	+		$\vdash$	_	x —	X	$\vdash$	<del>^</del>				$\dashv$		$\dashv$				$\overline{}$	$\dashv$	$\overline{}$	+	+	х	+
ex113_MP_SessionMgmt	X	X		$\dashv$			-+	$\dashv$	+		$\dagger \dagger$	+	1	$\vdash \vdash$	_	x	X	+	$\dashv$		$\vdash$		$\dashv$	$\dashv$	+				$\overline{}$	$\dashv$	$\dashv$	х	一	+	+
ex120_MP_FieldListWalk	Х							$\top$	1			$\top$		$\vdash$		x							$\dashv$						+	$\neg$			十	十	$\top$
ex130_MP_UserDisp	Х														х																				
ex140_MBO_Streaming	Х														7	х																	工	工	
ex170_MP_ChannelInfo	Х															Х	Х													Х				$\perp$	
ex180_MP_Websocket	Х														X		Х						_												
ex200_MP_Streaming	Х										$\perp$				_	X							_										$\rightarrow$	$\bot$	
ex210_MBO_Streaming	Х			_			_	4		+	$\vdash$				_	X				_													+	+	
ex220_MBP_PrivateStream	X						_	+	Х	-					X	_							_										+	+	
ex230_MBO_SwitchEntryAction ex240_MP_RippleFields	X			X							+				X X	+							_		х								+	+	+
ex250_Custom_Opaque	X			<del>  ^</del>			+	+	+	+	$\vdash$			+ + '		x	+	$\vdash$	_	-			$\dashv$		^				$\rightarrow$			-	+	+	_
ex270_SymbolList	X			-			-	+		+		_			_	<u>^</u>							-+										+	+	_
ex280 MP Perf	X															x							$\neg$										+	+	
ex290_Custom_Decode	Х			х											_	x																	$\top$	+	
ex291_Custom_DownCast	Х			Х				$\dashv$							х																		$\top$	$\top$	
ex300_MP_Close	Х			х х											7	х																		工	
ex301_MP_PriorityChange	Х			Х									Х		Х																			$\perp$	
ex310_MP_Rmtes	Х															x					Х												$\bot$	$\perp$	
ex320_Custom_GenericMsg	Х			X							$\perp$	Х	(	-	Х								_										$\dashv$	$\bot$	
ex330_Login_Streaming	Х						_	_	_	-	$\vdash$				X					_			_										+	+	
ex331_Directory_Streaming	X			_			-	+	-	+	$\vdash$			$\vdash$		X		$\vdash$		_			_	_					_				+	+	
ex332_Dictionary_Streaming	X						-	+		+		_		<b>,</b>	x /	X	+														v		+	+	
ex333_Login_Streaming_DomainRep ex340_MP_OnStreamPost	X			X				+	+	x	++	+	+	+ + '	_	x	+	$\vdash$				$\vdash$	$\dashv$	+	$\dashv$				+	+	Х		+	+	+
ex341 MP OffStreamPost	X			X	_				+	+^	x x	x			_	$\frac{\hat{x}}{x}$	+	+					$\dashv$		$\dashv$	+			+	$\dashv$	$\overline{}$		+	+	+-
ex350 MP PauseAll	X			<del>  ^</del>			-+	$\dashv$			<del>                                     </del>	+	1		x	_	$\top$	+	$\dashv$			$\vdash$	$\dashv$	$\dashv$	$\dashv$				$\dashv$	$\dashv$	$\dashv$	$\dashv$	+	+	+
ex360_MP_View	х							х				$\top$			X	$\dashv$							$\dashv$		$\dashv$					一	-+		十	十	$\top$
ex370_MP_Batch	Х						Х								-	х																			
ex400_Custom_NestedMessaging	Х			Х					Х							х х																			
ex410_MP_HorizontalScaling	Х			Х											Х											Х							$\bot\!\!\!\!\!\bot$		
ex420_MP_AdmDomainCfg	Х										$\bot$				Х				Х	<b>(</b>					[								$\perp$	$\perp$	
ex421_MP_ProgrammaticCfg	Х			-	_			$\bot$		_	++		_	$\vdash \vdash$		X	$\downarrow$	Х				igspace	_		$\downarrow$	$\longrightarrow$			$-\!$		$-\!$	$\perp$	+	+	+
ex422_MP_ErrorClient	X			_				+	-	_	++	+	+	<del>   </del>		X	+	$\vdash$		_			$\dashv$							$\dashv$			+	+	+
ex423_MP_AdmDomainCfg_DomainRep	X			_		$\vdash$		+	+	$\vdash$	+	+		<del>      '</del>	X ,	<del>,                                     </del>	+	$\vdash \vdash$	X	_	$\vdash$		$\dashv$		$\dashv$		$\overline{}$			$\dashv$	X		+	+	+
ex430_MP_Authentication ex440_System_TunStrm	X			-			-+	+	+	$\vdash$	++	+	-	$\vdash$	_	X X	+	$\vdash \vdash$	X	( X		$\vdash$	$\dashv$	х	$\dashv$	+	Х	Х	-+	$\dashv$	Х	_	+	+	+
ex450_MP_QueryServiceDiscovery	X	Х		-				+	+		++	+	+	++		х   ^ х	+	х				$\vdash$	$\dashv$	^	+				+	+	-+	Х	х	+	+
ex451_MP_OAuth2Callback_V2	X	X		-		H	-+	$\dashv$	+	$\vdash$	++	+	-	$\vdash$	-	<u>^</u>	+	X					$\dashv$	_	$\dashv$	$\dashv$		$\overline{}$	+	$\dashv$		X	<del>^</del> +	+	+
ex452 MP OAuth2Callback V2JWT	X	X						$\dashv$	+	+	+ +	+			_	$\frac{\hat{x}}{x}$		X					$\dashv$		+				+	$\dashv$		X	+	x	+-
ex460 MP RTT	X			$\dashv$			-+	$\dashv$			<del>                                     </del>	+	1	$\vdash$	<u> </u>	x	Х		$\dashv$			$\vdash \vdash$	$\dashv$	$\dashv$	+				х	_	$\dashv$		——	+	+
ex470_MP_WarmStandby	Х							$\top$				$\top$				x		х					$\dashv$		$\dashv$	+			+	一			十	+	Х
ex490_Specify_Dict_Object	Х															х																			Х
RRT Market Data Viewer	Х		Х	х х			Х	Х							,	х		Х														Х	Х		

	Structure													
× Msg.ToString()	Msg->FieldList.ToString()	Map->FieldList->ToString()	Msg->FieldList	Msg->Map->FieldList	Msg->Map(Action type, Key)->FieldList	Msg->Map(Sum,Key,Action)->FieldList	Msg->Map->FieldList->Primitive types	Msg-> FieldList or ElementList	Msg->Map->FieldList, ElementList	Msg->Msg->FieldList	Msg->ElementList->Vector->ElementList	Msg->Map->FilterList->ElementList or Map	Msg->Series->ElementList	Msg->OmmOpaque
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## List of Non-Interactive Provider Examples

Non-Interactive Provider Example Name	Feature																			
	Streaming	Tunneling Connection	Hardcoded Source Directory	Configurable Source Directory from EmaConfig.xml	Configurable Source Directory Programmatically	Submit Source Directory Message	Login Request	Dictionary Request	Directory Admin UserControl	Directory Admin ApiControl	UserDispatch	ApiDispatch	File Config	Programmatic Config	Status Closed Message	Connection Recovery	Authentication Token Handling	Channel Information	Login Reissue	Message Packing
ex100_MP_Streaming	Х		Х							Х		Χ								
ex110_MBO_Streaming	Х		Х							X		X								
ex170_MP_ChannelInfo	Х			Х						X		X						Χ		
ex200_MP_Streaming	Х			Х						X		X								
ex201_MP_TunnelingConnection	Х	X		Х						Χ		X	X							
ex210_MBO_Streaming	Х			Х						X		X	X							
ex250_MP_Perf	Х			Х						Χ		X	X							
ex251_MP_Perf_KeyByServiceId	Х			Х						Χ		X	X							
ex300_MP_Streaming	Х					Х			Х			Х	X							
ex310_MBO_Streaming	Х					X			X			X	X							
ex320_MP_Streaming_StatusClosed	Х					Χ			Х			X	X		X					
ex340_Login_Streaming	Х			Х			Χ			Χ	X		X							
ex350_Dictionary_Streaming	Х			Х				Х		Х		X	Х							
ex360_MP_ConnectionRecovery	Х			Х			Χ			Χ	X		X			X				
ex405_MP_MsgPacking	Х			Х						Х		X								X
ex421_MP_ProgrammaticCfg	Х				Χ					Х		X		Х						
ex430_MP_Authentication	Х			Х						X		X	X				Х		Χ	

			Str	uctu	ıre			
Msg.ToString()	Map::add<>()	x x x x x x x x x x x x FieldList::add<>()	ElementList::add<>/()	x x x x x x x x x x x x x x x x x x RefreshMsg::set<>()	x x x x x x x x x x x x x x x DpdateMsg::set<>()	StatusMsg::set<>()	RefreshMsg::get<>()	StatusMsg::get<>()
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		Х		Х	Х			
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		Χ		X	Χ			
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## List of Interactive Provider Examples

Interactive Provider Example Name										F	eatu	re										]		
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				nfig	<b>Programmatically</b>																			
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			tor	Directory	Directory	Σ		ij	tro	ont	ntr					nati	tati							
		u	Hardcoded Source Directory	Dir	٥	Source Directory Message		Directory Admin UserControl	Directory Admin ApiControl	Dictionary Admin UserControl	Dictionary Admin ApiControl					Connected Client Information	Login Domain Representation		<b>b</b> 0	-				
		<b>Tunneling Connection</b>	e Di		Source	rec	st	Use	Api	Us	Ap					Inf	ore		Programmatic Config	channel				
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		Con	So	Configurable Source	le S	ırce	Dictionary Request	μþ	μþ	Adı	Adı	ج ج	ءا			Clie	ain		atic	nt (	Message Packing		()<	FieldList::add<>()
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ex100_MP_Streaming	X	_	X	O	0	S			X		X		X	ш	I	C	<u>'</u>	Ь	Ь	C	2		2	Х
ex102_MP_Snapshot	X		Х						Х		Х		Х									i		Х
ex130_MP_UserDispatch	Х		Х						х		х	х										1		Х
ex140_MBO_Streaming	Х		Х						х		х		х									1	Х	
ex150_MBO_Snapshot	Х		Х						Х		Х		Х									1		х
ex160_Login_AcceptDeny			Х						Х		Х		Х											
ex161_Login_AcceptDeny_DomainRep			Х						Х		Х		Х				Х					1		
ex170_MP_ConnectedClientInfo	Х			Х					Х		Х	Х				Χ						1		Х
ex180_MP_Websocket	Х			Х					Х		Х	Х		Х						Х		1		Х
ex200_MP_Streaming	Х			Х					Х		Х	Х		Х								1		Х
ex201_MP_Encrypted	Х	Х		Х					Х		Х		Х	Х								1		
ex210_MBP_Streaming	Х			Х					Х		Х	Х		Х								1	Х	Х
ex240_SourceDirectory_Fanout	Х			Х		Х			Х		Х		Х	Х								1	Х	X
ex250_GroupStatus_Fanout	Х			Х		Х			Х		Х		Х	Х								1	Х	
ex260_Custom_NestedMsg	Х			Х					Х		Х	Х		Х								]		Х
ex280_MP_Perf	Х			Х					Х		Х	Х		Х										Х
ex300_MP_Close	Х			Х					Х		Х		X	Х					X					X
ex301_MP_PriorityChange	Х			X					Х		Х	Х		X										X
ex320_Custom_GenericMsg	Х			Х					Х		Х	Х		Х										X
ex331_Directory_UserControl	Х					Х		Х			Х		X	Х									Х	Х
ex332_Dictionary_UserControl	Х			X					Х	Х			Х	Х									Х	Х
ex340_MP_Posting	Х			X									Х	Х				X						Х
ex350_Dictionary_Streaming	Х			Х			Х		Х		Х		X	Х									Х	X
ex380_MP_ConnectionLost	X			Х					Х		Х		Х	Х										Х
ex405_MP_MsgPacking	X		Х		$ldsymbol{ld}}}}}}$		<u> </u>	$ldsymbol{ld}}}}}}$	Х		Х		Х								Х	1		Х
ex421_MP_ProgrammaticCfg	X				Х				Х		Х								Х					Х
ex460_MP_RTT	X			Х								X		Х	Х									Х

	Structure													
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