## List of Consumer Examples DocID: EMAC364L1EX.210

Consumer Example Name																			Fe	ature	2																
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	Streaming request	<b>Tunneling Connection</b>	Snapshot I	Close request	Set Closure	Qos	Priority	batch	View	SymbolList	Private Stream	On Stream postring	Off Stream Posting	VPI	Sending generic msg	Reissue priority	Reissue batch	Reissue View	Reissue Pause	User Dispatch	Api Dispatch Sub Stream(Msg in Msg)	File Config	Programmatic Config	Specify Admin messages	Rmtes Decoder	forth(FieldName)	forth( const Data	Tunnel stream	Ripple Fields	Horizontal Scaling	Authentication	Login Reissue	Channel Information	Login Domain Representation	Session Management	Handlekii	ServiceEnupoir Warm Standby
100_MP_Streaming	X		0,		0,		<del>-   '</del>			<del>" -</del>	<del>- '</del>				<u>, , , , , , , , , , , , , , , , , , , </u>			-			X	<del>                                     </del>	-	0,		-				_	1					<del>-   '</del>	<del>, –</del>
101_MP_QosPriority	X				$\dashv$	х	х	+	+	$\top$	$\top$	$\dashv$	$\dashv$	$\dashv$	$\neg$	$\dashv$	$-\dagger$	$\dashv$	$\dashv$	_	x	+	1								$\Box$	$\dashv$	$\top$	+	+	$\dashv$	$\top$
102_MP_Snapshot	Ĥ		х	$\dashv$	+			+	+	+	+	+	+	$\dashv$	$\dashv$	$\dashv$	$\dashv$	+	+	_	x	+	+			$\dashv$						+	+	+	+	+	+
110_MP_FileCfg	Х		$\stackrel{\boldsymbol{\cdot}}{\vdash}$	$\dashv$	+	$\dashv$	+	+	+	+	+	+	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	_	x	Х	+	$\vdash$		$\dashv$	-				$\vdash \vdash$	$\dashv$	+	+	+	+	+
111_MP_UserSpecifiedFileCfg	X			$\dashv$	+	+	+	+	+	+	+	+	+	$\dashv$	+	$\dashv$	$\dashv$	$\dashv$	$\dashv$	+	+	X	_	Н	$\vdash$	$\dashv$	$\dashv$	$\dashv$	$\dashv$		$\vdash$	+	+	+	+	+	+
112_MP_TunnelingConnection	X	Х		$\dashv$	+	+	+	+	+	+	+	+	+	$\dashv$	+	+	$\dashv$	$\dashv$	+	+,	x	X	_			-						-+	+	+	+	+	+
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113_MP_SessionMgmt 120_MP_FieldListWalk	X	Х	$\vdash$	$\dashv$	+	+	+	+	+	+	+	+	+	$\dashv$	+	+	$\dashv$	$\dashv$	+	_	X	+^	+	$\vdash$			-		-			+	+	+	+	+	+
121_MP_FieldListSrchByName	_			$\dashv$	<del>,</del>	+	+	+	+	+	+	+	+	$\dashv$	+	$\dashv$	$\dashv$	$\dashv$	+	_	_	+	+			<del>-</del>					$\vdash$	+	+	+	+	+	+
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130_MP_UserDisp	X			$\dashv$	+	+	+	+	+	+	+	+	+	$\dashv$	+	$\dashv$	$\dashv$	$\dashv$	+	X ,	<del>.   -</del>	+	+	$\vdash\vdash$		$\dashv$					$\vdash \vdash \vdash$	+	+	+	+	+	+
140_MBO_Streaming	X		$\vdash$	$\dashv$	+	+	+	+	_	+	+	+	+	$\dashv$	_	+	_	_	$\dashv$	_	X	٠.	+									$\dashv$	<del>,  </del>	+	+	+	+
170_MP_Channelinfo	X			$\dashv$	+	$\dashv$	+	+	+	+	+	+	+	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\perp$	_	X	X	_	$\vdash \vdash$							$\vdash \vdash$		Х	+	+	+	+
180_MP_Websocket	X			$\dashv$	+	$\dashv$	+	+	+	+	+	+	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\perp$	X		Х	-	$\vdash \vdash$			_				$\vdash \vdash$	$\perp$	+	+	+	+	+
200_MP_Streaming	X					_	_	_	_	_	_	_	4	_	_	_			_	_	X	╄	<u> </u>								$\square$	_	$\perp$	_	+	_	
210_MBO_Streaming	Х			_				4	_	_	_	_	4	_	_				_		x												_				
220_MBP_PrivateStream	Х				_			_	_		x	_	_	_	_	_			_	<u> </u>		_		Ш									$\perp$	$\perp$		$\perp$	
230_MBO_SwitchEntryAction	Х				_	_		_	_		_	_	_	_	_	_			-	х		╄									$\Box$	_	_	_			
240_MP_RippleFields	Х				Х	_		_	_		_	_	_	_	_	_			_	х		╄							Х		$\Box$	_	_	_			
250_Custom_Opaque	Х			_		$\perp$		4		_	_	_	_		_					_	x		<u> </u>										$\perp$	$\perp$	$\perp$		
260_MP_FieldListSearchByList	Х					$\perp$		_					_							_	x						Х								$\perp$		
270_SymbolList	Х																				x																
280_MP_Perf	Х																				X																
290_Custom_Decode	Х				Х																X																
291_Custom_DownCast	Х				Х															Х																	
300_MP_Close	Х			Х	Х															,	Х																
301_MP_PriorityChange	Х				Х											Х				х																	
310_MP_Rmtes	Х																			7	х				Х	Ī											
320_Custom_GenericMsg	Х				х										Х					х						Ī											
330_Login_Streaming	Х				$\top$	$\neg$					$\top$		$\top$	$\top$						х																	
331_Directory_Streaming	Х			$\neg$	寸	$\neg \vdash$	$\top$	$\top$	$\neg$	一	$\top$	$\top$	寸	寸	寸	$\neg$	$\neg$	$\neg$		7	x					一							$\top$	$\top$	$\top$	$\top$	
332_Dictionary_Streaming	Х			$\neg$	十	$\neg \vdash$	$\top$	十	$\top$	十	$\top$	$\top$	十		$\neg$	$\neg$	一		$\neg$	_	x	1	1									$\neg$	$\top$		$\top$	$\top$	$\dashv$
333_Login_Streaming_DomainRep	Х			$\dashv$	$\dashv$	$\dashv$	$\top$	$\top$	$\top$	十	$\top$	$\top$	十	十	十	$\dashv$	$\dashv$	$\dashv$	$\dashv$	х	$\top$	1	1	П		$\neg \dagger$					$\Box$	-+	$\top$	x	$\top$	$\top$	$\top$
340_MP_OnStreamPost	Х			$\dashv$	х	$\dashv$	$\top$	$\top$	$\top$	十	1	x	$\dashv$	十	十	$\dashv$	$\dashv$	$\dashv$	$\dashv$		x	1	1	П		$\neg \dagger$					$\Box$	-+	$\top$	$\top$	$\top$	$\top$	$\top$
341_MP_OffStreamPost	Х			$\dashv$	X	$\dashv$	$\top$	+	$\top$	十	+	-	х	х	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	_	x	1	1			-						$\dashv$	+	$\top$	$\top$	$\top$	$\dashv$
350_MP_PauseAll	X			$\dashv$	+	$\dashv$	+	+	+	+	+	+	+		$\dashv$	$\dashv$	$\dashv$	$\dashv$	х	_	x	1	1	$\vdash$		$\dashv$					$\vdash$	-+	+	+	+	+	+
360_MP_View	X			$\dashv$	+	$\dashv$	+	+,	x	+	+	+	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	_	x /	+	+	+			-						+	+	+	+	+	+-
370_MP_Batch	X		$\vdash$	$\dashv$	+	$\dashv$	٠,	<u> </u>	+	+	+	+	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$		x	+	†	$\vdash$	$\vdash$	$\dashv$	$\dashv$	-	-	-	$\vdash \vdash$	$\dashv$	+	+	+	+	+-
400_Custom_NestedMessaging	X		$\vdash$	$\dashv$	х	$\dashv$	+	+	+	Η,	x	+	$\dashv$	+	+	$\dashv$	$\dashv$	$\dashv$	$\dashv$		x x	+	+	Н	$\vdash$	$\dashv$	$\dashv$	$\dashv$	$\dashv$		$\vdash \vdash$	$\dashv$	+	+	+	+	+-
410_MP_HorizontalScaling	X			$\dashv$	x	$\dashv$	+	+	+	+	+	+	+	+	+	$\dashv$	$\dashv$	$\dashv$	+	X	<del>`\^</del>	+	1	Н	$\vdash \vdash$	-+	$\dashv$	-	-	х	$\vdash \vdash$	+	+	+	+	+	+
420_MP_AdminDomainCfg	X			$\dashv$	^	+	+	+	+	+	+	+	+	$\dashv$	+	$\dashv$	$\dashv$	$\dashv$		<u>^</u>	+	+	+	Х		-				^	$\vdash$	+	+	+	+	+	+
421_MP_ProgrammaticCfg	X			$\dashv$	+	+	+	+	+	+	+	+	+	$\dashv$	+	$\dashv$	$\dashv$	$\dashv$	+		x	+	Х	^		-					$\vdash$	+	+	+	+	+	+
422_MP_ErrorClient	X			$\dashv$	+	+	+	+	+	+	+	+	+	+	$\dashv$	$\dashv$	$\dashv$	$\dashv$	+	_	<u>^</u>	+	+^	$\vdash$	$\vdash\vdash$	-+					$\vdash \vdash$	+	+	+	+	+	+-
423_MP_AdminDomainCfg_DomainRep			$\vdash$	$\dashv$	+	+	+	+	+	+	+	+	+	$\dashv$	+	+	+	-	+	X	^	-	+	Х						-			+	<del>,  </del>	+	+	+
	X			$\dashv$	+	+	+	+	+	+	+	+	+	$\dashv$	+	$\dashv$	$\dashv$	$\dashv$	+	_	<del>.   -</del>	-	+				-		-			<del>.  </del>	+	<u> </u>	+	+	+
430_MP_Authentication	X		$\vdash$	$\dashv$	+	+	+	+	+	+	+	+	+	$\dashv$	+	$\dashv$	$\dashv$	$\dashv$	+		X	+	-	$\vdash\vdash$			-	V	_		Х	Х	+	+	+	+	+
440_System_TunStrm	X	١,,		$\dashv$	+	$\dashv$	+	+	+	+	+	+	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\perp$	_	x x	-		$\vdash\vdash$				Х			$\vdash \vdash$		+	4.	_	+.	,
450_MP_QueryServiceDiscovery	X	Х		$\dashv$	+	$\dashv$	+	+	+	+	+	+	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\perp$		X	+	Х	$\vdash\vdash$							$\vdash \vdash$		+	-   '	x		<b>(</b>
460_MP_RTT	X			_	4	$\perp$	+	+	_	+	+	+	4	$\perp$	_	_	_	_	$\dashv$	_	X	X	+	$\square$			_				$\square$	$\perp$	+	+	<del> </del>	<b>X</b>	1
470_MP_WarmStandby	X																				X		Х														Х

	Structure a													
× 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->Opaque
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## **List of Non-Interactive Provider Examples**

NiProv Example Name									Fe	eatur	re								
	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
100_MP_Streaming	Х		Х							Х		Х							
110_MBO_Streaming	Х		Х							Х		Х							$\Box$
170_MP_ChannelInfo	Х		Х	Х						Х		Х	Х					Х	
200_MP_Streaming	Х			Х						Х		Х	Х						
201_MP_TunnelingConnection	Х	Х		Х						Х		Х	Х						
210_MBO_Streaming	Х			Х						Х		Х	Х						
250_MP_Perf	X			Х						Х		Χ	Х						
251_MP_Perf_KeyByServiceId	Х			Х						Х		Х	Х						
300_MP_Streaming	Х					Х			Х			Х	Х						
310_MBO_Streaming	Х					Х			Х			X	X						
320_MP_Streaming_StatusClosed	Х					Х			Х			Х	Х		Х				
340_Login_Streaming	Х			Х			Х			Х	X		Х						
350_Dictionary_Streaming	Χ			Х				Χ		Х		X	X						
360_MP_ConnectionRecovery	Х			Х			Х			Х	X		X			Х			
421_MP_ProgrammaticCfg	Х				Х					Х		Х		Х					
430_MP_Authentication	X			Х			Х			Х		X	X				Χ		Х

			St	ructu	ıre			
Msg.ToString()	Map::add<>()	x x x x x x x x x x x x x x x x x x x	ElementList::add<>()	x x x x x x x x x x x x x x x x x 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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		X		X	X			
		X		X	X			
		X		X	X			
	X	X		X	X			
		Х		Х	Х			
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## **List of Interactive Provider Examples**

IProv Example Name	Feature											Structure																		
	Streaming	Hardcoded Source Directory	Configurable Source Directory from EmaConfig.xml	Configurable Source Directory Programmatically	Submit Source Directory Message	Dictionary Request	Directory Admin UserControl	Directory Admin ApiControl	lo	Dictionary Admin ApiControl	UserDispatch		File Config	Programmatic Config	Connected Client Information	Login Domain Representation	HandleRTT	Posting	Closing client channel		Map::add<>()	FieldList::add<>()	ElementList::add<>()	RefreshMsg::set<>()	UpdateMsg::set<>()	RefreshMsg::get<>()	PostMsg::get<>()	ACKIVISE::Set<>()	definer (Wiskinger)	UpdateMsg::get<>()
100_MP_Streaming	Х	Х						Х		Х		Х										X		X	X					
102_MP_Snapshot	Х	Х						Х		Х		Х										X		Х						
130_MP_UserDispatch	Х	X						Х		Х	X											X		X	X					
140_MBO_Streaming	Х	Х						Х		Х		Х									Х	X		Х	Х					
150_MBO_Snapshot	Х	Х						Х		Х		Х									Х	Χ		Х						
160_Login_AcceptDeny		Х						Х		Х		Х												Х	П					
161_Login_AcceptDeny_DomainRep		Х						Х		Х		Х				Х								Х						
170_MP_ConnectedClientInfo	Х	Х						Х		Х		Х	Х		Х							Х	Х	Х	Х					
180_MP_Websocket	Х		Х					Х		Х	Х		Х						Х			Х		Х	Х					
200_MP_Streaming	Х		Х					Х		Х	Х		Х									Х		Х	Х					
210_MBP_Streaming	Х		Х					Х		Х	Х		Х								Х	Х		Х	Х					
240_SourceDirectory_Fanout	Х		Х		Х			Х		Х		Х	Х								Х	Х	Х	Х	Х					
250_GroupStatus_Fanout	Х		Χ		Х			Х		Х		Х	Х								Х	Х	Х	Х	Х					
260_Custom_NestedMsg	Х		Χ					Х		Х	Х		Х									Х		Х	Х					
280_MP_Perf	Х		Χ					Х		Х	Х		Х									Х		Х	Х					
300_MP_Close	Х		Х					Х		Х		Х	Х									Х		Х	Х					
301_MP_PriorityChange	Х		Χ					Х		Х	Х		Х									Х		Х	Х					
320_Custom_GenericMsg	Х		Х					Х		Х	Х		Х									Х	Х	Х	Х					
331_Directory_UserControl	Х				Х		Х			Х		х	Х								Х	Х	Х	Х	Х	$\dashv$	$\top$			
332_Dictionary_UserControl	Х							Х	Х			х	Х								Х	Х		Х	Х					
340_MP_Posting	Х		Х								Х		Х					Х				Х	Х	Х	Х		x x	X		
350_Dictionary_Streaming	Х		X			Х		Х		Х		Х	Х								Х	X		Х	Х	Х			Х	
380_MP_ConnectionLost	Х		Х					Х		Х		х	Х								$\neg$	Х		Х	Х	$\top$	$\top$			
421_MP_ProgrammaticCfg	Х			X				Х		Х	Х			Х								Х		Х	Х					
460_MP_RTT	Х		Χ									Х	Х				Х					Х	Х	Х	Х			)	<b>(</b>	