List of Consumer Examples

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Consumer Example Name																				Feature																		
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																												Authentication Token Handling		on			Service Endpoint Discovery Helper		¥			Ability to Pass In Dictionary Object
																		<u>و</u>				S						lan		Login Domain Representation			ery		OAuth2 Credential Callback			Jan
		드																Kesume		Api Dispatch Sub Stream(Msg in Msg) File Config	50	Specify Admin messages						n H	_ ا	Sen	يد		000		all		Multi-Credential Config	tion
	st	Tunneling Connection	st								ng	ng		Sending generic msg			2	Kes		i	Programmatic Config	ess	_	forth(const Data &)	`		8	oke	Login Reissue	pre	Session Management		Disc		ial (S	Dic
	Streaming request	une	Snapshot request);						ε	On Stream postring	Off Stream Posting		ric	ξ		0	Ø	_	Asg	l S	m r	Rmtes Decoder	ata	ے		Horizontal Scaling	T u	2	Re	ger		intl	>	enti		tial	s In
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	ing	ing	hot	req	nso	,			SymbolList	Stı	earr	ean		8 8	e pr	e ps	Reissue View	e Pa	ispa	Api Dispatch Sub Stream(I File Config	m m	, Ad	Dec	u O	str	Ripple Fields	nta	ıtic	teis	. o	Σ	HandleRTT	Enc	Stai	2 CI	oAuth2 JWT	Cre	to
	sam	nel	sde	se	<u></u>	Qos	ا ج	3	oqu	/ate	Stre	Str		din	ssno	SSU	ssne	SSM	٦	Dis Str	gra	cify	tes h/F	- -	nel	ple	izo.	her	in R	in	sior	l dle	vice	E	uth	ıth	lti-(lity
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100_MP_Streaming	Х																			Х																		
101_MP_QosPriority	Х					Х	(Х																		_
102_MP_Snapshot			X																	х															\sqcup			Щ.
110_MP_FileCfg	X				\perp			_			_		ļ					\perp		X X				\bot		<u> </u>					4				\sqcup			
111_MP_UserSpecifiedFileCfg	X				\perp		\perp				_					\perp		_	\perp	X				\perp	_	1			\perp	_	1				\longmapsto			
112_MP_TunnelingConnection	X	X		\sqcup	\dashv		+	_			\dashv	_	\dashv	\dashv	\perp	\dashv		+		X X	_			+	_	<u> </u>				+	1				\longmapsto	Х		_
113_MP_SessionMgmt	X	Х		$\vdash \vdash$	\dashv		+	+			\dashv			\dashv	_	\dashv	-	\dashv		X X	-			+	+	 		-+	-	+	Х				\longmapsto		\vdash	
120_MP_FieldListWalk	X			\vdash	х		+				+					+		+		X X				+				-		+	+				$\vdash \vdash \vdash$			_
121_MP_FieldListSrchByName 130_MP_UserDisp	X			$\vdash \vdash$	^		+	+			\dashv	\dashv	\dashv	\dashv	\dashv	\dashv	+	+	х	^	+		X	+	+	+		+	+	+	+				$\vdash \vdash$		\vdash	$\overline{}$
140_MBO_Streaming	X	1		\forall	\dashv	-	+	+			\dashv	\dashv	\dashv	\dashv	\dashv	\dashv	+	\dashv		х	1			+	+			+	+	+	+				$\vdash \vdash$		$\vdash \vdash \vdash$	_
170_MP_ChannelInfo	X			H	+		1	+			\dashv	_	+	+		\dashv		\dashv		X X				+					×	+	+				\vdash			_
180_MP_Websocket	X			\forall	\dashv		+	+			\dashv	\dashv	\dashv	\dashv	\dashv	\dashv		\dashv	х	X	_			+	+			-+	- 	+	+				一十		$\vdash \vdash \vdash$	
200_MP_Streaming	X			\Box	$\overline{}$		\top				+	\neg		+		\dashv		\dashv		X				+						+	+				\Box			
210_MBO_Streaming	Х				$\neg \uparrow$											1				Х				\top	1						1				\Box			
220_MBP_PrivateStream	Х									Х									Х																			
230_MBO_SwitchEntryAction	Х																		Х																			
240_MP_RippleFields	Х				Х														Х							Х									\Box			
250_Custom_Opaque	Х			\Box	\bot							\Box	\Box	\Box		\Box			_	Х															igsqcut			
260_MP_FieldListSearchByList	X				\perp						_							\perp		Х				Х		<u> </u>					4				\sqcup			<u> </u>
270_SymbolList	X				\perp						_							\perp	-	X				\perp	_				_						\longmapsto			
280_MP_Perf	X		_	\sqcup	<u>, </u>		+	_			\dashv	_	_	\dashv	\perp	\dashv		+		X	_			+	_	_				+	+				\longmapsto			
290_Custom_Decode	X	-		$\vdash \vdash$	X		+	+			\dashv	_		\dashv	_	\dashv	-	+	_	Х	1			+	+	1		-+	-	+	+-				\longmapsto			
291_Custom_DownCast 300_MP_Close	X			х	X		-	+			\dashv		\dashv	\dashv		\dashv	-+	+	Х	x	+			+	+	+		-+	+	+	+				$\vdash \vdash \vdash$			_
301_MP_PriorityChange	X			^	X		+				\dashv	-	\dashv	\dashv	Х	\dashv	+	\dashv	х	^				+				+		+	+				$\vdash \vdash$			
310_MP_Rmtes	X			\forall	^	-	+	+			\dashv	\dashv	\dashv	\dashv	^	\dashv	\dashv	\dashv	_	х	1		Х	+	+			\dashv	\dashv	+	+				$\vdash \vdash$		\vdash	_
320_Custom_GenericMsg	X			†	Х		\top	+			\dashv	-	\dashv	х	+	\dashv	\dashv	\dashv	х					+	+			\dashv	\dashv	+	+				\vdash			_
330_Login_Streaming	X						+	+			\dashv		\neg			\dashv			X		1			+	+					\top	\dagger				\Box			
331_Directory_Streaming	X				\dashv		\top				\dashv			\neg		\dashv			-	х				\top											一十			
332_Dictionary_Streaming	Х																			Х																		
333_Login_Streaming_DomainRep	Х																		Х											Х								
340_MP_OnStreamPost	Х				Х						Х									Х																		
341_MP_OffStreamPost	Х				Х							Х	Х							Х															\Box			<u> </u>
350_MP_PauseAll	X			\coprod							\perp		\bot	\prod		\prod	,	_	-	Х															igsqcut			
360_MP_View	X		_	\square	\perp		\perp	Х			_							\perp	Х					\perp	_	_				_	_				\sqcup			
370_MP_Batch	X						Х				_	_				\perp	_	\perp		X				\perp					_	_	1				\longmapsto			
400_Custom_NestedMessaging	X			$\vdash \vdash$	X		_			Х	\perp					\perp	\perp	_	-	хх				+	+	1	.,	\perp	\perp	\perp	+				\longmapsto			_
410_MP_HorizontalScaling	X	-		$\vdash \vdash$	Х		+	+			\dashv			\dashv	_	\dashv	-		X		+	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		+	-	-	Х	-+	-	+	+-	-		_	\longmapsto			_
420_MP_AdminDomainCfg	X			$\vdash \vdash$	+		+	+			\dashv	\dashv	\dashv	+		+	-	\dashv	Х	x	Х	Х		+	+			-+	+	+	+				$\vdash \vdash \vdash$			
421_MP_ProgrammaticCfg 422_MP_ErrorClient	X			$\vdash \vdash$	\dashv		+	+			\dashv	-	\dashv	\dashv	\dashv	\dashv	-+	\dashv		X				+	+	_		-+	-+	+	+				$\vdash \vdash$		\vdash	_
423_MP_AdminDomainCfg_DomainRep	X			\vdash	$\overline{}$		-	+			\dashv		+	+		\dashv	+	\dashv	х	^		Х		+	+			+	+	X	+				$\vdash \vdash \vdash$			
430_MP_Authentication	X			\forall	\dashv	-	+				\dashv	-+	\dashv	\dashv	-+	\dashv	\dashv	\dashv		х	1			+	+			х	х	+^	+				$\vdash \vdash$		\vdash	_
440_System_TunStrm	X			\forall	\dashv		\top	+			\dashv	\neg	\dashv	\dashv	\dashv	\dashv	-	\dashv		X X				+	Х			-+		+	+				\sqcap			
450_MP_QueryServiceDiscovery	X	Х					+	+			\dashv		_			1			_	X	Х			+	+				\top	\top	Х		Х		\Box			1
451_MP_OAuth2Callback_V2	X	Х																		X	X														х			
452_MP_OAuth2Callback_V2JWT	Х	Х																		Х	Х														Х	Х		
460_MP_RTT	Х																			х х												Х			Х			
	Х																			Х	Х													Х				
470_MP_WarmStandby			_	-																																. –		
470_MP_WarmStandby 480_MP_MultiCredentials 490_Specify_Dict_Object	X																			X X	Х										Х			Х	Х	Х	-	Х

	Structure Q													
	ToString()	->ToString()		eldList	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	eldList	Msg->ElementList->Vector->ElementList	Msg->Map->FilterList->ElementList or Map	:lementList	
× Msg.ToString()	Msg->FieldList.ToString()	Map->FieldList->ToString()	Msg->FieldList	Msg->Map->FieldList	Msg->Map(Act	Msg->Map(Sur	Msg->Map->Fi	Msg-> FieldList	Msg->Map->Fi	Msg->Msg->FieldList	Msg->Element	Msg->Map->Fi	Msg->Series->ElementList	Msg->Opaque
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List of Non-Interactive Provider Examples

NiProv 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
100_MP_Streaming	Х		Х			-				Х		Х								
110_MBO_Streaming	Х		х							Х		Х								
170_MP_ChannelInfo	Х		Х	Х						Х		Х	Х					Х		
200_MP_Streaming	Х		П	Х						Х		Х	Х							
201_MP_TunnelingConnection	Х	Х		Х						Х		Х	Х							
210_MBO_Streaming	Х			Х						Х		Х	Х							
250_MP_Perf	Х			Х						Х		Х	Х							
251_MP_Perf_KeyByServiceId	Х			Х						Х		Х	Х							
300_MP_Streaming	Х					Х			Х			Х	Х							
310_MBO_Streaming	Х					Х			Х			Х	Х							
320_MP_Streaming_StatusClosed	Х					Х			Х			Х	Х		Х					
340_Login_Streaming	Х			Х			Х			Х	Х		Х							
350_Dictionary_Streaming	Х			Χ				Х		Х		Х	Х							
360_MP_ConnectionRecovery	Х			Х			Х			Х	Х		Х			Х				
405_MP_MsgPacking	Х			Х						Х		Х								Х
421_MP_ProgrammaticCfg	Х				Х					Х		Х		Х						
430_MP_Authentication	Х			X			Х			Х		X	X				Х		X	

			St	ructu	ire			
Msg.ToString()	Map::add<>()	x x x x x x x x x x x x HieldList::add<>()	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 X X X X X X	StatusMsg::set<>()	RefreshMsg::get<>()	StatusMsg::get<>()
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List of Interactive Provider Examples

IProv Example Name	Feature																			
	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	Dictionary Admin UserControl	Dictionary Admin ApiControl	UserDispatch	ApiDispatch	File Config	Programmatic Config	Connected Client Information	Login Domain Representation	HandleRTT	Posting	Closing client channel	Message Packing
100_MP_Streaming	X	X	C	C	S			X	D	X	<u> </u>	X	Ш	Ь	C	L	I	Ь	C	2
102_MP_Snapshot	Х	X						X		X		X								
130_MP_UserDispatch	Х	X						X		Х	Х									
140_MBO_Streaming	Х	X						X		X		Х								
150_MBO_Snapshot	Х	X						X		X		X								
160_Login_AcceptDeny		X						X		X		X								
161_Login_AcceptDeny_DomainRep		X						X		X		X				Х				
170_MP_ConnectedClientInfo	Х	Χ						Х		Х		Х	Х		Х					
180_MP_Websocket	Х		Χ					X		X	Х		X						Х	
200_MP_Streaming	Х		Х					Х		Х	Х		Х							
210_MBP_Streaming	Х		Х					Х		Χ	Х		Х							
240_SourceDirectory_Fanout	Х		Х		Х			Х		Х		Х	Х							
250_GroupStatus_Fanout	Х		Х		Х			Χ		Χ		Χ	Х							
260_Custom_NestedMsg	Х		Χ					Χ		Х	Χ		Х							
280_MP_Perf	Х		Χ					Х		Х	Х		Х							
300_MP_Close	Х		Χ					Χ		Χ		Χ	Х							
301_MP_PriorityChange	Х		Х					Х		Х	Х		Х							
320_Custom_GenericMsg	Х		Χ					Χ		X	Χ		Χ							
331_Directory_UserControl	Х				X		X			X		X	Χ							
332_Dictionary_UserControl	Х							Χ	Χ			X	X							
340_MP_Posting	Х		Х								Χ		Χ					X		
350_Dictionary_Streaming	Х		Χ			Χ		Χ		Χ		Χ	Χ							
380_MP_ConnectionLost	Х		Χ					Χ		X		X	Χ							
405_MP_MsgPacking	Х		Χ					Χ		X		X								X
421_MP_ProgrammaticCfg	Х			X				X		X	X			X						
460_MP_RTT	X		X									X	X				X			

Map::add<>()	× × FieldList::add<>()	ElementList::add<>()	× × RefreshMsg::set<>()	× UpdateMsg::set<>()	RefreshMsg::get<>()	PostMsg::get<>()	AckMsg::set<>()	GenericMsg::get<>()	UpdateMsg::get<>()
	Х	-	Х	X	-		1		
	X		Χ						
	X		Х	X					
Х	X		Χ	X					
X	X		Χ						
			Х						
			Х						
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	X		Х	X					
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X	X	Χ	X	X					
X	X	X	X	X					
	Х		Х	Х					
	X		X	X					
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X	X		X	X		• •			
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Х	X		X	X	X				Х
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