List of Consumer Examples DocID: EMAC370L1EX.230

Consumer Example Name	Feature																																					
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		Tunneling Connection									bo			60				Resume		Sub Stream(Msg in Msg)		Ę.	Specify Admin messages		٦				Token Handling		ڃ	Login Domain Representation	ij	HandleRTT ServiceEndpointDiscovery Helper		OAuth2 Credential Callback		Multi-Credential Config
	est	ect	request								postring	Off Stream Posting		Sending generic msg			9	Z Z		ä		Programmatic Config	nes	-	forth(const Data &)			ng	흔		Channel Information	epr	Session Management	Ę		tial		<u>S</u>
	request	Ĕ	nb .	St						٤	ost	ost		eri 	اغ	ے		e S	:	Msg		ic	Ë	Rmtes Decoder	Dat	Ε		Horizontal Scaling	e l	a	E	n R	age	oi i	by	en		tia
	g re	2	t re	Close request	2				st	Private Stream		٦		en	Reissue priority	Reissue batch	Reissue View	Reissue Pause	3 1		ρ0	nat	ᇣ	Rmtes Decoder	lst st	Tunnel stream	Ripple Fields	S	Authentication	Login Reissue	of	nai	lan	- 호	Warm Standby	rec	M	de
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	Streaming	ne	Snapshot	Close reque	5 ,	ji;	당	3	SymbolList	/at	On Stream	Sti	_ :	ا ق	ssn	ssn	SSU	SSU	ב ב	St	S	gra	cif	tes	計	l euc	ple	rizo	the	Ë	Ĕ	١	sio	호 호	rm	uth	lth	室
	Str	μ	Sus		S O	Priority	Batch	View	Syr	Pri	o	#	VPI	Ser	Rei	Rei	Rei	Rei	Ani Dispatch	Suk	File Config	Pro	Spe	Rm C	힐힐	ļ	Rip	오	Aut	Log	ر ا	Log	Ses	HandleRTT ServiceEnd	Wa	OA	oAuth2 JWT	Ž
100_MP_Streaming	Х																		Х																			
101_MP_QosPriority	Х				Х	Х													Х	(\Box
102_MP_Snapshot			х																Х	(\Box
110_MP_FileCfg	Х																		Х	(Х																	\Box
111_MP_UserSpecifiedFileCfg	х	\neg	\dashv		1					\neg	\dashv		\top	十	\neg	\neg	\top	$\neg \vdash$	\top		х		一						\neg	\neg		\neg	\dashv					\Box
112_MP_TunnelingConnection	х	Х	\top	\neg	1	\top					\neg	\neg	\top	\top	\neg		\top	\dashv	X		х			$\neg \vdash$	\top	1				\neg	$\neg \dagger$		\dashv				Х	\Box
113_MP_SessionMgmt	х	Х	\top	\neg	\top	\top					\dashv	\neg	\top	\top	$\neg \vdash$	\top	\top	\dashv	X		х		\neg	$\neg \vdash$	\top	1				\neg	$\neg \dagger$		х					\square
120_MP_FieldListWalk	х		\top	\neg	1	\top					\neg	\neg	\top	\top	\neg	\neg	\top	\dashv	X	_	\Box			$\neg \vdash$	\top	1				\neg	\dashv		\dashv					\Box
121_MP_FieldListSrchByName	х	\neg	\top		(\top					\dashv	\neg	\top	\dashv	\neg	\top	\top	\dashv	X	-	\Box		\neg	7		1				\neg	$\neg \dagger$		\dashv					\square
130_MP_UserDisp	Х	\neg	\top	一广	\top	\top					\dashv	\neg	\top	\dashv	\neg	\top	\top	Х	_	1	-		\neg		\top	1				\neg	$\neg \dagger$		\dashv					\square
140_MBO_Streaming	Х	$\neg \dagger$	\dashv	\neg	1	\top				\dashv	\dashv		\top	\dashv	\dashv	\top	\top		X	(\dashv	\neg	\top	1			\neg	\dashv		\neg	\dashv				П	\Box
170_MP_ChannelInfo	х									一十		\neg	\neg		一				X		х		一						一		х							\Box
180_MP_Websocket	Х		\neg										\dashv	_				Х	_		х		-															$\overline{}$
200_MP_Streaming	Х		\neg		+					\neg			\neg	\top	\neg		\top		X	7			\neg						\neg									$\overline{}$
210_MBO_Streaming	Х		\neg		\top								\neg	\top			\top		X							1				\neg								
220_MBP_PrivateStream	Х		$\neg \dagger$		+					х			\neg	\top	\neg		\top	T x	,				\neg						\neg									$\overline{}$
230_MBO_SwitchEntryAction	Х		\neg							\neg			\dashv	_	-			Х	_				-															$\overline{}$
240_MP_RippleFields	Х		\neg	<u></u>						\neg			\dashv	\dashv	\neg		\top	Х	_		\Box		\neg		+	1	х		\neg		\neg							\neg
250_Custom_Opaque	Х		$\neg \dagger$	+	+					\neg			\neg	\dashv	\neg		\top		X	7	\Box		\neg						\neg		\neg							$\overline{}$
260_MP_FieldListSearchByList	Х		$\neg \dagger$		+					\neg			\neg	\dashv	\neg		\top	+	X		\Box		\neg		х				\neg		\neg							$\overline{}$
270_SymbolList	Х		\dashv	+		+	 			\dashv		\dashv	\dashv	\top	\dashv		\top	+	X		\Box		\dashv	\neg	+~	T			\dashv		\dashv		\dashv					$\overline{}$
280_MP_Perf	х		\neg							\neg			\dashv	\top	-					_			-															$\overline{}$
290_Custom_Decode	Х		\dashv	<u></u>	,	+	 			\dashv		\dashv	\dashv	\top	\dashv	-	\top	+	X		\Box		\dashv	\dashv	+	T			\dashv		\dashv		\dashv					$\overline{}$
291_Custom_DownCast	х		\neg	<u> </u>	-					\neg			\dashv	\top	-			Х					-															$\overline{}$
300_MP_Close	х		\neg	хх	-								\neg	\top					x	(1												
301_MP_PriorityChange	Х		\neg	X	-								\neg	\top	х		\top	X								1				\neg								
310_MP_Rmtes	х		\neg	+	+								\neg	\top			\top			7				х						\neg								
320_Custom_GenericMsg	Х		$\neg \dagger$	 	7					\neg			\neg	x	\top		\top				\Box		\neg		+	1			\neg		\neg							$\overline{}$
330_Login_Streaming	Х		$\neg \dagger$	+	+					\neg			\neg		\neg		\top	Х	_		\Box		\neg		+	1			\neg		\neg							\Box
331_Directory_Streaming	Х		$\neg \dagger$		+					\neg			\neg	\top	\neg		\top	 	x	, 	\Box		\neg		+	1			\neg		\neg							\Box
332_Dictionary_Streaming	х		\dashv	+		+	t			\dashv		\dashv	\dashv	\top	\dashv	-		+	X	-	\Box		\dashv	\dashv	+	T			一十		\dashv	$\neg \dagger$	\dashv					\blacksquare
333_Login_Streaming_DomainRep	X	\dashv	+	+	+	+		\vdash	\vdash	\dashv	\dashv	$\overline{}$	+	\dashv	+	+	+	X	_	-	 	$\overline{}$	\dashv	\dashv	+	+			\dashv	\dashv	-+	х	+		\vdash		\vdash	\dashv
340_MP_OnStreamPost	X	\dashv	+	— >	,	+	+		\vdash	\dashv	х		+	\dashv	\dashv	\dashv	+	+	<u> </u>	, -	+	\dashv	\dashv	-	+	+			\dashv	\dashv	_	+	\dashv		1			-
341_MP_OffStreamPost	x	\dashv	+	 	-	+			\vdash	\dashv		х	х	\dashv	+	+	+	\dashv	$\frac{1}{x}$	_	+	$\overline{}$	\dashv	\dashv	+	+			\dashv	\dashv	\dashv	\dashv	\dashv	\dashv	\vdash		Н	\dashv
350_MP_PauseAll	X	$\neg \dagger$	+	+	+	+	\vdash		$\vdash \vdash$	\dashv	\dashv		+	\dashv	+	+	+	x	$+\frac{1}{x}$		+	-+	\dashv	-	+	T		\vdash	\dashv	\dashv	\dashv	\dashv	\dashv		\vdash	\vdash	Н	\dashv
360_MP_View	X	\dashv	+	-	+	+	+	Х	\vdash	\dashv	\dashv		+	\dashv	\dashv	\dashv	+	<u>^</u>	—	+	+	\dashv	\dashv	-	+	+			\dashv	\dashv	_	\dashv	\dashv		 			\vdash
370_MP_Batch	X	\dashv	+	+	+	+	Х	<u> </u>	\vdash	\dashv	\dashv	- 	+	+	+	+	+	 	` x	. -	+	_	\dashv	\dashv	+	+			\dashv	\dashv	_	\dashv	\dashv		\vdash			\dashv
400_Custom_NestedMessaging	X	\dashv	+	— >	, -	+	Ľ		\vdash	х	\dashv	+	+	+	+	+	+	+	$+\hat{x}$		+ +	_	\dashv	-	+	+			\dashv	\dashv	_	\dashv	\dashv		\vdash			\dashv
410_MP_HorizontalScaling	X	\dashv	+	 '	.	+	\vdash		\vdash	~	\dashv	+	+	+	+	+	+	X		+^	+ +	_	\dashv	-	+	+		Х	\dashv	\dashv	_	+	\dashv		\vdash			\dashv
420_MP_AdminDomainCfg	X	\dashv	+	+	+	+			$\vdash \vdash$	\dashv	\dashv	\dashv	+	\dashv	\dashv	+	+	$\frac{1}{x}$		+-	╁┼┼	\dashv	х	\dashv	+	+		^	\dashv	\dashv	\dashv	\dashv	\dashv	+	\vdash		\vdash	\vdash
421_MP_ProgrammaticCfg	X	\dashv	+	+	+	+			$\vdash \vdash$	\dashv	\dashv	\dashv	+	\dashv	\dashv	\dashv	+	+^	` x	,	╁┼┼	Х	~	\dashv	+	+			\dashv	\dashv	\dashv	\dashv	\dashv	+	\vdash		\vdash	\dashv
422_MP_ErrorClient	X	\dashv	+	+	+	+-	+	\vdash	$\vdash \vdash \vdash$	\dashv	\dashv	\dashv	+	\dashv	\dashv	\dashv	+	+	$+\hat{x}$		+	^	\dashv	\dashv	+	+			\dashv	\dashv	\dashv	\dashv	\dashv	+	\vdash		Н	\dashv
423_MP_AdminDomainCfg_DomainRep	X	\dashv	+	+	+	+-	\vdash		$\vdash \vdash$	\dashv	\dashv	\dashv	+	+	+	+	+	X	_	+	╁	\dashv	х	\dashv	+	+		$\vdash \vdash$	\dashv	\dashv	\dashv	х	\dashv	+	\vdash	$\vdash \vdash$	Н	\dashv
430_MP_Authentication	X	\dashv	+	+	+	+-	+	\vdash	$\vdash \vdash \vdash$	\dashv	\dashv	\dashv	+	\dashv	\dashv	\dashv	+	+^	<u> </u>	_	+	\dashv	^ +	\dashv	+	+			х	х	\dashv	^ +	\dashv	+	\vdash		\vdash	\dashv
440_System_TunStrm	X	\dashv	+	+	+	+	\vdash		\vdash	\dashv	\dashv	_	+	+	+	+	+	+	$+\hat{x}$		+	\dashv	+	-+	+	X			^	^	+	\dashv	+	+				-
450_MP_QueryServiceDiscovery	X	х	+	+	+	+			\vdash	\dashv	\dashv	-	+	+	+	+	+	+	$+\hat{x}$		+ -	х	\dashv	-+	+	+^			\dashv	\dashv	+	\dashv	х	х	1		Н	-
451 MP OAuth2Callback V2	x	<u>^</u>	+	+	+	+			\vdash	\dashv	\dashv	-	+	+	+	+	+	+	+		+ -	<u>^</u>	\dashv	-+	+	+			\dashv	\dashv	+	+	^	- ^	1	Х	Н	-
452_MP_OAuth2Callback_V2	X	X	+	+	+	+-			$\vdash \vdash \vdash$	\dashv	\dashv	+	+	+	+	\dashv	+	+	 		╁	X	\dashv	\dashv	+	+			\dashv	\dashv	\dashv	\dashv	\dashv	+	+	X	Х	-
460_MP_RTT	X	^	+	+	+	+			\vdash	+	\dashv	-	+	+	+	+	+	+	 ^		Х	^	\dashv	-+	+	+			\dashv	\dashv	+	+	+	х	1	X	^	-
470_MP_WarmStandby	-	\dashv	+	+	+	+	+		$\vdash \vdash \vdash$	\dashv	\dashv	+	+	+	+	+	+	+	 ^		 ^ 	х	\dashv	\dashv	+	+			\dashv	\dashv	\dashv	\dashv	+	^	Х	^		-
480_MP_MultiCredentials	X	\dashv	+	+	+	+	+		$\vdash \vdash \vdash$	\dashv	\dashv	+	+	+	+	+	+	+	X		╁┼┼	X	\dashv	+	+	+			\dashv	\dashv	\dashv	,	, +	+		V	х	
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		Structure													
X 1	< 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									F	eatu	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		Χ							
170_MP_ChannelInfo	Х		Х	Х						Х		Χ	Χ					Х	
200_MP_Streaming	Х			Х						Х		Χ	Χ						
201_MP_TunnelingConnection	Х	Х		Х						Х		Х	Х						
210_MBO_Streaming	Х			Х						Х		X	X						
250_MP_Perf	Х			X						X		X	X						
251_MP_Perf_KeyByServiceId	Х			X						X		X	X						
300_MP_Streaming	Х					Х			Х			Χ	X						
310_MBO_Streaming	Х					Х			Х			Х	X						
320_MP_Streaming_StatusClosed	Х					Х			Х			Х	Χ		Х				
340_Login_Streaming	Х			Х			Х			Х	Х		Χ						
350_Dictionary_Streaming	Х			Х				Х		Х		Х	Х						
360_MP_ConnectionRecovery	Х			Х			Х			Х	Х		Х			Х			
421_MP_ProgrammaticCfg	Х				Х					Х		Х		Х					
430_MP_Authentication	Х			Х			Х			X		Х	Х				Х		Х

			Stı	ructu	ire			
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 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<>()
		Х		Х	Х			
	Х	Х		Х	Χ			
		Х		Х	X			
		X		Х	X			
		Χ		Х	X			
	Х	Х		Х	X			
		Х		Χ	X			
		Х		Х	X			
	Х	Х	Х	Х	X			
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X		Х		X	X		Х	Х
X		X		X	X		X	X

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	Dictionary Admin UserControl	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<>()		RefreshMsg::get<>()	PostMsg::get<>()	AckMsg::set<>()	GenericMsg::get<>()	UpdateMsg::get<>()
100_MP_Streaming	Х	Х						Х		Х		Х										X		X	X					
102_MP_Snapshot	Х	Х						Х		Х		Х										X		Х				\bot	\perp	
130_MP_UserDispatch	Х	Х						Х		Х	Х											X		Х	X			\perp	\perp	
140_MBO_Streaming	Х	Х						Х		Х		Х									X	Χ		X	Х					
150_MBO_Snapshot	Х	Х						Х		Х		Х									X	Χ		X						
160_Login_AcceptDeny		Х						Х		Х		Х												X						
161_Login_AcceptDeny_DomainRep		Х						Х		Х		Х				X								X						
170_MP_ConnectedClientInfo	Х	Х						Х		Х		Х	Х		Х] [Χ	Х	Х	Х			\Box	\Box	
180_MP_Websocket	Х		Х					Х		Х	Х		Х						Х] [Х		Х	Х				П	
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				П	
240_SourceDirectory_Fanout	Х		Х		Х			Х		Х		Х	Х								Х	Х	Х	Х	Х					
250_GroupStatus_Fanout	Х		Х		Х			Х		Х		Х	Х								Х	Χ	Х	Х	Х	П		\top	\top	
260_Custom_NestedMsg	Х		Х					Х		Х	Х		Х									Х			Х	П		\top	\top	
280_MP_Perf	Х		Х					Х		Х	Х		Х									Х		Х		П				
300_MP_Close	Х		Х					Х		Х		Х	Х									Х		Х	Х	П		\top	\top	
301_MP_PriorityChange	Х		Х					Х		Х	Х		Х									Х		Х	—	П	一	\top	\top	
320_Custom_GenericMsg	Х		Х					Х		Х	Х		Х									Х	Х	Х		П	一	十	十	
331_Directory_UserControl	Х				Х		Х			Х		Х	Х								Х	Х	Х	Х	Х	П		\top	\top	
332_Dictionary_UserControl	Х							Х	Х			Х	Х								Х	Х		Х	Х	П		\top	\top	
340_MP_Posting	Х		Х								Х		Х					Х				Х	Х	Х	Х	П	Х	х	\top	
350_Dictionary_Streaming	Х		Х			Х		Х		Х		Х	Х								Х	Х		Х	Х	Х		\top	Х	1
380_MP_ConnectionLost	Х		Х					Х		Х		Х	Х									Х		Х	Х	П		\top	\top	
421_MP_ProgrammaticCfg	Х			Х				Х		Х	Х			Х								Х		Х	Х	П		\top		
460_MP_RTT	Х		Х									Х	Х				Х					Х	Х	Х	Х				Х	