List of Consumer Examples DocID: EMAC367L1EX.220

Consumer Example Name																		Fea	ture																		
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																												Authentication Token Handling			ion			ServiceEndpointDiscovery Helper	1.	ای	
																	ي					S						lan			Login Domain Representation			- L		OAuth2 Credential Callback	
		드															Resume		Sub Stream(Msg in Msg)		ρ0	Specify Admin messages						n F		اء	sen	ᆽ		NO.		<u>₩</u>	Multi-Credential Config
	st	Tunneling Connection	st							ing	ng		Sending generic msg			، ا	Res		i.		Programmatic Config	ess	ـ ا	(2			20	oke		Channel Information	pre	Session Management		Disc		alc	Ö
	request	nne	Snapshot request						٤	On Stream postring	Off Stream Posting		ricı	ţ.			∞ ŏ		Asg		3	E	e e	forth(const Data	ے ا		Horizontal Scaling	n T		ma	Re	ger		int	<u>~</u>	enti	tial
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	ing	ing	hot	Set Closure				ILis	Stı	am	ean		8 8	p e	e ps	ا ﴿	e Pe	pat	ear	nfig	盲	A	Dec	ם פ	str	Ripple Fields	ntal	ıtic	eis	늘	00	Σ	R.	Enc	Stal	Č	rec
	sam	luel	sdr	5	 	rit	ક	» odc	/ate	Stre	Str		din	ssu	ssne	Ssuc	SSUG	Dis	Str	S	gra	cif.	tes	בַּן	nel	ple	izo.	her	in	Ĕ	in	sior	闄	vice	٤		IE;
	Streaming	l II	Snapshot requ	Set	Qos	Priority	Batch	View SymbolList	Private Stream	On	Off	VPI	Sen	Reissue priority	Reissue batch	Reissue View	Reissue Pause User Dispatch	Api Dispatch	Sub	File Config	Pro	Spe	Rmtes Decoder		1 2	Rip	Hor	Aut	Log	ا چ	Log	Ses	Har	Ser	Wa	δ	M
100_MP_Streaming	Х																	Х																			
101_MP_QosPriority	Х				Х	Х												Х																			
102_MP_Snapshot			Х															Х																			
110_MP_FileCfg	Х				$oxed{\Box}$													Х		Х											\Box				\bot		
111_MP_UserSpecifiedFileCfg	Х			<u> </u>	$oxed{\Box}$									\Box						Х											[\Box
112_MP_TunnelingConnection	X	Х		\perp	\sqcup													X		Х		\perp		\perp											\perp	\perp	\Box
113_MP_SessionMgmt	X	Х		\perp	\sqcup												\perp	X		Х	\perp	\perp				_						Х				\perp	\Box
120_MP_FieldListWalk	X			1_	\sqcup										_	$-\!$	\bot	X	$\overline{}$			\perp	\perp			-							_		\perp	\perp	\dashv
121_MP_FieldListSrchByName	X			Х	\sqcup										_	-		X				\perp	- '	<u> </u>		-							_		\perp	\perp	\dashv
130_MP_UserDisp	X		_	+	\vdash		_	_					\vdash	\dashv	_		X	_	, -	\sqcup	\perp	\perp	+	+	+	-			\dashv	\dashv	\dashv	\dashv	_		+	+	\dashv
140_MBO_Streaming	X	$\vdash \vdash$		+	+		_	_						\dashv	_	-	+	X		V	_	+	+	+	+	-			\dashv	V	_	\dashv	_		+	+	\dashv
170_MP_ChannelInfo	X	\vdash		+	\vdash							\dashv	\rightarrow	-		_	- ,	X		X	\rightarrow	+	+	+	+	+				Х	\dashv	_	\dashv		+	+	႕
180_MP_Websocket	X	\vdash		+	\vdash							\dashv	-+	\rightarrow		_	Х	_	, -	Х	\rightarrow	+	+	+	+	+					-	_	\rightarrow	_	+	+	\dashv
200_MP_Streaming 210_MBO_Streaming	X			+	\vdash									_		_	+	X			-+	-	+	+	+	-					-		-		+	+	\dashv
220_MBP_PrivateStream	v	\vdash		+	\vdash		-+	-	v			\dashv		-+	-+	_	-	\top	+		\rightarrow	+	+	+	+	+					\dashv	\rightarrow	\rightarrow		+	+	\dashv
230_MBO_SwitchEntryAction	X			+	+				^							_	x	_	+		-	-	+	+	+	1					_		-		+	+	\dashv
240_MP_RippleFields	X	\vdash	_	X	\vdash		-+					\dashv	\dashv	\dashv	-+	-+	X	_	+	-+	\dashv	\dashv	+	+	+	Х			_	-+	\dashv	\dashv	\dashv	_	+	+	\dashv
250_Custom_Opaque	Х			 ^	\vdash		$\overline{}$	-							$\overline{}$		+^	│ x			_	+	+	+	+	 ^		Н					\rightarrow		+	+	\dashv
260_MP_FieldListSearchByList	Х			+	\Box							\neg	$\overline{}$				+	X	_		\dashv	\dashv	+	X		+					\dashv	_	\dashv		+	\dashv	\dashv
270_SymbolList	Х				T							\neg						Х	$\overline{}$												\neg				\top	\top	\dashv
280_MP_Perf	Х				\Box													х	$\overline{}$		\neg	_	\top	\top													\dashv
290_Custom_Decode	Х			х														Х																		1	\neg
291_Custom_DownCast	Х			х													Х																				\neg
300_MP_Close	Х		Х	X														Х																			П
301_MP_PriorityChange	Х			Х										Х			Х																				
310_MP_Rmtes	Х																	Х					Х														
320_Custom_GenericMsg	Х			Х									Х				Х																				
330_Login_Streaming	Х																Х																				
331_Directory_Streaming	Х																	X	_				\perp								_				4		_
332_Dictionary_Streaming	X	\bigsqcup		\perp	\sqcup													X				\perp	\perp	\perp											\perp	\perp	
333_Login_Streaming_DomainRep	X			\perp	\sqcup											_	Х	_	\perp	igsqcup	\perp	\perp				_					Х					\perp	_
340_MP_OnStreamPost	X			Х	-		_			Х					_			Х	_	\square		\perp		\bot		_				\dashv					\bot	\bot	\Box
341_MP_OffStreamPost	X			Х	\sqcup						Х	Х			_	\perp		X	$\overline{}$		\dashv	\perp	\perp		\bot	-										\perp	\dashv
350_MP_PauseAll	X			+	\vdash		_						\Box	_	_	- -	X	X			\rightarrow	\perp	+	_	+	_				_	_	_	_		+	\bot	\dashv
360_MP_View	X		_	+	\vdash		.,	Х					$\vdash \vdash$	\dashv	\dashv		X	-	, -	\sqcup		+	+	+	+	-			\dashv	\dashv	\dashv	\dashv	\perp		+	+	\dashv
370_MP_Batch	X		_	1	+		Х		\ \ \					\dashv	_	-	+	X	$\overline{}$	\sqcup	\dashv	+	+	+	+	-			\dashv	_	_	\dashv	_		+	\dashv	\dashv
400_Custom_NestedMessaging	X	$\vdash \vdash$		X	+	-	\dashv		Х		\dashv	_	$\vdash \vdash$	\dashv	\dashv	-+	 	X	X	$\vdash \vdash$	\dashv	+	+	+	+-	-	v		\dashv	\dashv	\dashv	\dashv	\dashv		+	+	\dashv
410_MP_HorizontalScaling	X	\vdash	-	X	+						-		\vdash	\dashv	+	-+	X	_		$\vdash \vdash$	_	x	+	+	+	-	Х		\dashv	_	_	\dashv	+		+	+	\dashv
420_MP_AdminDomainCfg 421_MP_ProgrammaticCfg	X		+	+	+		\dashv	_			\dashv	_	$\vdash \vdash$	\dashv	\dashv	\dashv	 ^	x		$\vdash \vdash$	х	^	+	+	+-	 			\dashv	\dashv	\dashv	\dashv	\dashv	-+	+	+	\dashv
422_MP_ErrorClient	X	$\vdash \vdash$	+	+	+	-	\dashv	_			\dashv	-	$\vdash \vdash$	\dashv	\dashv	\dashv	+	X	_	$\vdash \vdash \mid$	^	\dashv	+	+	+	+			\dashv	\dashv	\dashv	\dashv	\dashv	-+	+	+	\dashv
423_MP_AdminDomainCfg_DomainRep	X		+	+	+		+				-		\vdash	\dashv	\dashv	-+	X	_	+	\vdash	+	х	+	+	+-	1			\dashv	\dashv	х	\dashv	+	-+	+	+	\dashv
430_MP_Authentication	X		+	+	+		+				-		\vdash	\dashv	\dashv	-+	+^	x		\vdash	+	^	+	+	+	1		Х	х	\dashv	^	\dashv	+	-+	+	\dashv	\dashv
440_System_TunStrm	X	$\vdash \vdash$	\dashv	+	+		\dashv	-			\dashv		\vdash	\dashv	\dashv	\dashv	+	 ^ x	_	$\vdash \vdash$	\dashv	\dashv	+	+	X	+		^	^	\dashv	\dashv	\dashv	\dashv	-+	+	\dashv	
450_MP_QueryServiceDiscovery	X	Х		+	+		+				\dashv		\vdash	\dashv	\dashv	-+	+	T _X		$\vdash \vdash$	Х	\dashv	+	+	 ^	+			\dashv	\dashv	+	Х	+	х	+	\dashv	\dashv
451_MP_OAuth2Callback_V2	X	Х	-	+	+		\dashv				\dashv	_	$\vdash \vdash$	\dashv	\dashv	-	+	$\frac{1}{x}$	_	$\vdash \vdash$	X	\dashv	+	+	+	1			\dashv	\dashv	\dashv		\dashv		+	\dashv	\dashv
460_MP_RTT	X			+	+									\dashv	_	$\neg \uparrow$		X		Х		\dashv	+		+	1			\dashv	+	_	\dashv	х		\top	х	\dashv
470_MP_WarmStandby	X			\top	1 1		+							\neg	\dashv	_		X	_		х	\dashv	\top	+	1	1			\dashv	\dashv	\dashv	\dashv	_		x	\dashv	\exists
480_MP_MultiCredentials	Х			\top														Х	_		Х	\dashv	\top		\top				\dashv			х				х	X
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× × 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
X	2	2	2	2	2	2	2	2	2	2	2	2	2	2
X														
X														
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List of Non-Interactive Provider Examples

NiProv Example Name									Fe	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		Χ							Χ		Χ							
110_MBO_Streaming	Х		Х							Х		Х							
170_MP_ChannelInfo	Х		Х	Х						Х		Х	Х					Х	
200_MP_Streaming	Х			Х						Х		Х	Х						
201_MP_TunnelingConnection	Х	Х		Χ						Х		Χ	Х						
210_MBO_Streaming	Х			Χ						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			Χ			Χ	Х		Х				
340_Login_Streaming	Х			Х			Х			Х	Х		Х						
350_Dictionary_Streaming	Х			Х				Х		Х		Х	Х						
360_MP_ConnectionRecovery	Х			Х			Х			Х	Х		Х			Х			
421_MP_ProgrammaticCfg	Х				Х					X		Х		Х					
430_MP_Authentication	Х			Х			Х			Х		Χ	Х				Х		Х

			Sti	ructu	ire			
Msg.ToString()	Map::add<>()	ieldList::add<>()	ElementList::add<>/()	<pre>RefreshMsg::set<>()</pre>	JpdateMsg::set<>()	StatusMsg::set<>()	RefreshMsg::get<>()	StatusMsg::get<>()
_		Х		Х	X	<u> </u>		S
	X	X	3	X	X	- 0,		S
		X X	1	X X X	X X X			5
		X X X	1	X X X	X X X		4	5
	x	X X X X	3	X X X X	X X X X			5
		X X X X X		X X X X X	X X X X X			5
	x	X X X X X X		X X X X X X	X X X X X X			5
	X	X X X X X X		X X X X X X X	X X X X X X X			5
	x x	X X X X X X X		X X X X X X X	X X X X X X X			5
	x x	X X X X X X X		X X X X X X X	X X X X X X X X			5
	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		5
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 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 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 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 X X X X X X X DpdateMsg::set<>()			

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	ApiDispatch	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<>()	AckMsg::set<>()	GenericMsg::get<>()	UpdateMsg::get<>()
100_MP_Streaming	Х	Х						Х		Х		Х								ľ		Χ		Х	Х			T	Т	
102_MP_Snapshot	Х	Х						Х		Х		Х										Χ		Х						,
130_MP_UserDispatch	Х	Х						Х		Х	Х											X		X	Х					
140_MBO_Streaming	Х	Х						Х		Х		Х									X	Х		Х	Х					
150_MBO_Snapshot	Х	Х						Х		Х		Х									Χ	Χ		Х		П				
160_Login_AcceptDeny		Х						Х		Х		Х												Х		П				
161_Login_AcceptDeny_DomainRep		Х						Х		Х		Х				Х								Х		П				
170_MP_ConnectedClientInfo	Х	Х						Х		Х		Х	Х		Х							Χ	Χ	Х	Х	П				
180_MP_Websocket	Х		Х					Х		Х	Х		Х						Х			Χ		Х	Х	П				
200_MP_Streaming	Х		Х					Х		Х	Х		Х									Х		Х	Х					
210_MBP_Streaming	Х		Х					Х		Х	Х		Х								Χ	Χ		Х	Х	П				
240_SourceDirectory_Fanout	Х		X		X			Х		Х		Х	Х								X	Χ	Χ	Х	Х				\Box	
250_GroupStatus_Fanout	Х		X		X			Х		Х		Х	Х								Х	X	Х	Х	Х					
260_Custom_NestedMsg	Х		X					Х		Х	Х		Х									Χ			Х				\Box	
280_MP_Perf	Х		X					Х		Х	Х		Х									X		Х	Х			\Box	\Box	
300_MP_Close	Х		X					Х		Х		Х	Х									Χ		Х	Х					
301_MP_PriorityChange	Х		Χ					Х		Х	Х		Х									Х		Х	Х					
320_Custom_GenericMsg	Х		Х					Х		Х	Х		Х									Χ	Χ	Х	Х					
331_Directory_UserControl	Х				X		Х			Х		Х	Х								Х	Χ	Х	Х	Х					
332_Dictionary_UserControl	Х							Х	Х			Х	Х								Х	Х		Х						
340_MP_Posting	Х		Х								Х		Х					Х				Х	Х	Х	_	-	Х	X	\bot	
350_Dictionary_Streaming	Х		X			Χ		Х		Х		Х	Х								X	Χ		Х	X	Х		$oxed{oxed}$	Х	(
380_MP_ConnectionLost	Х		X					Х		Х		Х	Х									X		Х	Х					
421_MP_ProgrammaticCfg	Х			X				Х		Х	Х			Х								Х		Х	Х					
460_MP_RTT	Х		Х									Х	Х				Х					Х	Х	Х	Х		T		Х	