We are now Refinitiv, formerly the Financial and Risk business of Thomson Reuters. We've set a bold course for the future – both ours and yours – and are introducing our new brand to the world.

As our brand migration will be gradual, you will see traces of our past through documentation, videos, and digital platforms.

Thank you for joining us on our brand journey.



## **List of EMA Java Consumer Examples**

DocID: EMAJ330EX.190

Consumer Example Name		Feature											1	Structure																													
Consumer Example Name															catur																					3	יה טכנו	116			2	<u>.</u>	
	streaming request	Tunneling Connection	Snapshot request	Close request	Set Closure	Priority	Satch	View	symbolList Orivate Stream	On Stream postring	Off Stream Posting	sending generic msg	Reissue priority Reissue Pause & Resume	Jser Disp	Api Disp	Sub Stream(MSg III MSg) File Config	Programmatic Config	User Specified Config Location Specify Admin messages	Programatic Local admin domain	Amtes Decoder	forth(FieldName)	Tunnel stream	Ripple Fields	Horizontal Scaling	Authentication Token Handling	ogin Reissue	Channel Information	Session Management	ServiceEndpointDiscovery Helper		Msg.ToString()	Msg->FieldList.ToString()		Msg->FieldList Msg->Map->FieldList	Msg->Map(Action type,Key)->FieldList	Msg->Map(Sum,Key,Action)->FieldList	Visg->Map->FieldList->Primitive types	Msg-> FieldList or ElementList	Msg->Map->FieldList, ElementList	>Msg->FieldList	Msg->ElementList->Vector->ElementList Msg->Map->FilterList->ElementList or Map	Series->ElementList	->OmmOpaq
example100MarketPriceStreaming	X		1						<del>7 -</del>			, , ,			Х													<u> </u>	<u> </u>	1	X								_			+-	
example101MarketPriceQosPriority	Х				<b>)</b>	Х									х															1	Х												
example102MarketPriceSnapshot			х												х															1	Х										$\top$		
example110MarketPriceFileConfig	Х														Х	Х			$\Box$											1	Х												
example111MarketPriceUserSpecifiedFileConfig	Х														Х	Х		Х												1	Х												
example112MarketPriceTunnelingConnection	Х	Х													Х	Х														1	Х												
example113MarketPriceSessionManagement	Х	Х													Х	Х												Х		]	Х												
example120MarketPriceFieldListWalk	Х														Х																	Х											
example130MarketPriceUserDisp	Х													Х																1		Х											
example140MarketByOrderStreaming	Х														Х																		Х										
example170MarketPriceChannelInfo	Х														Х	Х											Х				Х												
example200MarketPriceStreaming	Х														Х																			Х									
example210MarketByOrderStreaming	Х														Х																			Х	(								
example220MarketByPricePrivateStream	Х								Х					Х																				Х	(								
example230MarketByOrderSwitchEntryAction	Х													Х																					Х								
example240MarketPriceRippleFields	Х				Х									Х									Х											Х	(								
example250CustomOpaque	Х														Х																												X
example270SymbolList	Х														х															1				Х	(								
example280MarketPricePerformance	Х														х				$\Box$											1				Х									
example290CustomDecode	Х				х										х															1						Х							
example291 Custom DownCast	Х				Х									х																1							Х				$\top$		
example300MarketPriceClose	Х			х	х										х															1				х							$\top$	$\top$	$\Box$
example301MarketPricePriorityChange	Х		$\Box$	-	х								Х	х					$\top$											1				х							$\top$	$\top$	
example310MarketPriceRmtes	х		$\Box$						$\top$						х		$\Box$		$\top$	х										1				х							$\top$	$\top$	
example320CustomGenericMsg	х		$\Box$		х				$\top$			х		х				$\neg$										1		1								Х			$\top$	$\top$	
example330LoginStreaming	х	+	$\Box$						$\top$					х				$\neg$										1		1				х							х	$\top$	
example331DirectoryStreaming	Х	+	$\Box$						$\top$					+ +	х		$\Box$		$\top$											1				х							Х	: —	
example332DictionaryStreaming	Х		$\Box$									+			х				$\top$											1				х							十	Х	
example333_Login_Streaming_DomainRepresentation	х		$\Box$									+		х					$\top$								Х			1				х							х	+	
example340MarketPriceOnStreamPost	Х		1 1		х	1		$\dashv$	$\top$	х	$\neg   \neg$	+		$\overline{}$	х	$\top$	$\dagger \dagger$	$\dashv$	+	$\neg \dagger$	$\dashv$	$\top$	$\top$	1			<u> </u>	$\top$	1	1			$\overline{}$						Х		+	+	$\Box$
example341MarketPriceOffStreamPost	X		1 1		X			$\dashv$	$\top$		хх			+	х	$\top$	+	$\dashv$	+	$\neg +$	$\dashv$	$\top$	$\top$					$\top$		1		$\Box$	$\overline{}$						Х		+	+	$\Box$
example350MarketPricePauseAll	Х	+	T											х					+									+		1				х							+	+	
example360MarketPriceView	x		$\Box$					х	+					X				$\top$	+				+							1				X							+	+	$\Box$
example370 MarketPrice Batch	Х		$\vdash$				х		+					$\overline{}$	х			-					1	+				+	1	1				х		+					+	+	
example400_CustomNestedMessaging	X	†	† †		х	$\top$	<del>                                     </del>	$\dashv$	T <sub>x</sub>		$\dashv$	+-		$\rightarrow$	$\frac{x}{x}$	<u>,                                    </u>	+	$\dashv$	+	$\dashv$	$\dashv$	+	+	1	$\Box$	-+	$\dashv$	+	t	1		$\Box$		$\frac{x}{x}$	+					х	+	+	$\square$
example410 MarketPrice HorizontalScaling	X	t	+		X	+	$\Box$	$\dashv$	<del>                                     </del>		$\dashv$	+		x	_	+	+	$\dashv$	+	$\neg \dagger$	$\dashv$	+	+	x	$\vdash$	-+	$\dashv$	+	+	1		$\Box$		$\frac{x}{x}$					$\dashv$		+	+	+
example420MarketPriceAdminDomainConfig	X		+ +			+	<del>   </del>	$\dashv$	$\dashv$		-	+		X		+	+ +	$\frac{1}{x}$		-+	$\dashv$	+	+	+^	$\vdash$	_	-+	+	+	1		+		$\frac{x}{x}$					+		+	+	+
example421MarketPriceProgrammaticConfig	X		+	-+	$\dashv$	+	$\vdash \vdash \vdash$	$\dashv$	+	+	$\dashv$	+	$\vdash$	$\overline{}$	x	+	х	+^	++	$\dashv$	$\dashv$	+	+	+	$\vdash$	-+	$\dashv$	+	+	1	$\vdash$	$\vdash$		$\frac{\lambda}{x}$	-		$\vdash$		$\dashv$	-+	+	+	+
example422MarketPriceErrorClient	X		+	+	+	+	+	+	+	+	$\dashv$	+		+	$\frac{\hat{\mathbf{x}}}{\mathbf{x}}$	+	<del>  ^  </del>	$\dashv$	+	$\dashv$	+	+	+	+	$\vdash$	-+	+	+	+	1	<u> </u>	$\vdash$		$\frac{\hat{x}}{x}$	-		$\vdash$		$\dashv$		+	+	+
example423MarketPriceAdminDomainConfigDomainReprese		+	+	+	+	+	$\vdash$	+	+		-	+		+	^	+	++	$\dashv$	+	$\dashv$	+	+	+	+	+-		+	+	+	1	$\vdash$	+-		<del>^</del>			$\vdash$		-+		+	+-	+
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	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 EMA Java Non-Interactive Provider Examples

Non-Interactive Provider Example Name									Fea	ture								
	Streaming	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
example100MarketPriceStreaming	X	Х							Х		Х							
example110MarketByOrderStreaming	X	Х							Χ		Х							
example170MarketPriceChannelInfo	X		Х						Х		Х						Х	
example200MarketPriceStreaming	X		Х						Χ		Х	Х						
example210MarketByOrderStreaming	X		Х						Х		Х	Х						
example250MarketPricePerformance	X		X						Х		Х	X						
example251MarketPricePerformanceKeyByServiceId	X		Х						Х		Х	Χ						
example300MarketPriceStreaming	X				Х			Х			Х	X						
example310MarketByOrderStreaming	Х				Х			Х			Х	X						
example320MarketPriceStreamingStatusClosed	Х				Х			Х			Х	X		Х				
example340LoginStreaming	Х		Х			Х			Х	Х		Х						
example350DictionaryStreaming	Х		Х				Х		Х		Х	Х						
example360MarketPriceConnectionRecovery	Х		Х			Х			Х	Х		Х			Х			
example421MarketPriceProgrammaticConfig	Х			Х					Х		Х		Х					
example430MarketPriceTREPAuthentication	Х		Х						Х		Х	Х				Х		Х

Structure													
Msg.ToString()	Map::add<>()	ieldList::add<>()	ElementList::add<>()			StatusMsg::set<>()	RefreshMsg::get<>()	StatusMsg::get<>()					
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	X	X	1	X	X	S	4	S					
		X	1	X	X X X	S	4	S					
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	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			<u>S</u>					
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## List of EMA Java Interactive Provider Examples

Interactive Provider 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	Connected Client Information	Programmatic Config
example100 MarketPrice Streaming	X	Х			0,		-	X	_	Х		X	_		
example102_MarketPrice_Snapshot	Х	Х						Х		Х		Х			
example130MarketPriceUserDispatch	Х	Х						Х		Х	Х				
example140MarketByOrderStreaming	Х	Х						Х		Х		Х			
example150MarketByOrderSnapshot	Х	Х						Х		Х		Х			
example160_Login_AcceptDeny		Х						Х		Х		Х			
example170MarketPriceConnectedClientInfo	Х		Х					Х		Х	Х			Х	
example200MarketPriceStreaming	Х		Х					Х		Х	Х		Х		
example210MarketByPriceStreaming	Х		Х					Х		Х	X		Х		
example240SourceDirectoryFanout	Х		Х		Х			Х		Х		Х	Х		
example250GroupStatusFanout	Х		Х		Х			Х		Х		Х	Х		
example260CustomNestedMsg	Х		Х					Х		Х	Х		Х		
example280MarketPricePerformance	Х		Х					X		Х	Х		X		
example300MarketPriceClose	Х		Х					Х		Х		Х	Х		Х
example301MarketPricePriorityChange	Х		Х					X		Х	Х		X		
example320CustomGenericMsg	Х		Х					Х		Х	Х		Х		
example331DirectoryUserControl	Х				Х		Х			Х		Х	Х		
example332DictionaryUserControl	Х		Х					Х	Х			Х	Х		
example350DictionaryStreaming	Х		Х			Х		Х		X		Х	Х		
example380MarketPriceConnectionLost	Х		Х					Х		Х		Х	Х		
example421MarketPriceProgrammaticConfig	Х			Х				Х		Х	Х				Х

		Stı	ructu	re		
Map::add<>()	× × × × × FieldList::add<>()	ElementList::add<>()	x x x x x x x x x x x x x x x x x x x	× UpdateMsg::set<>()	RefreshMsg::get<>()	UpdateMsg::get<>()
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	Х		Х	Х		
	Х		Х	Х		