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 Consumer Examples DocID: EMAC330EX.190

Consumer Example Name	П																F	eatu	re																—
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																														<b>Authentication Token Handling</b>			_		Service Endpoint Discovery Helper
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100MarketPriceStreaming	Х																			X															
101MarketPriceQosPriority	Х				Х	Х														Х															
102MarketPriceSnapshot			Х																	Х															
110MarketPriceFileConfig	Х																$\Box$			X		Х													
111MarketPriceUserSpecifiedFileConfig	Х	_																				Х													
112MarketPriceTunnelingConnection	Х	+																		Х		Х													
113MarketPriceSessionManagement	Х	Х																		Х		Х											$oxedsymbol{oxed}$	X	
120MarketPriceFieldListWalk	X																			X															
121MarketPriceFieldListSearchByName	Х			Х																Х					Х									]	
130MarketPriceUserDispatch	Х															[	[		X			$\perp$													
140MarketByOrderStreaming	Х															[	[		[	Х												لـــــا			
170MarketPriceChannelInfo	X																			X		X										Х			
200MarketPriceStreaming	X																			Х															
210MarketByOrderStreaming	X																			Х															
220MarketByPricePrivateStream	Х	<u> </u>								X									Х																
230MartketByOrderSwitchOnEntryAction	X	ļļ																	Х																
240MarketPriceRippleFields	X	<u>                                     </u>		Х															Х									Х							
250CustomOpaque	Х																			Х															
260MarketPriceFieldListSearchByList	Х																			Х						Х									
270SymbolList	Х	<u>                                     </u>				ļ														Х									ļ			igsquare			
280MarketPricePerformance	Х	<u> </u>																		Х												$\downarrow \downarrow \downarrow$			
290Custom_Decode	Х	<u> </u>		Х		<u> </u>														Х						-			<u> </u>			1			
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300_MarketPrice_Close	X	igsqcup		X X	-	1														Х				_		_			1						
301MarketPricePriorityChange	X	<u> </u>		Х											Х				Х																
310MarketPriceRmtes	X	<b>  </b>																	.,	Х					(							₽			
320CustomGenericMsg	X	<u> </u>		Х										Х					X													1			
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331DirectoryStreaming	X			+		+-	-									_	$\dashv$	}	_	X		-	_	+		+	-		+-			$\longrightarrow$			
332DictionaryStreaming	X	igwdapprox igwedge		_												-			-	Х			_	_	-							$\longmapsto$			
222 Login Streaming DemainDemandation																			v														,	,	
333_Login_Streaming_DomainRepresentation	X				,						v						$\dashv$		Х	v		_	_	+								$\longmapsto$	Х	$\longrightarrow$	
340MarketPriceOnStreamPost	X			X	_						Х	Х	Х		$\dashv$	$\dashv$	$\dashv$		$\dashv$	X		+	+	-								$\vdash$	$\dashv$	$\rightarrow$	—
341MarketByOrderOffStreamPost 350MarketPricePauseAll	X	$\vdash$	-	Х	<u> </u>							٨	٨		-		$\dashv$	х		X		-	+	+	-	-						$\longmapsto$	$\dashv$	$\rightarrow$	—
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400CustomNestedMessaging	X	$\vdash$	-+	×	,	1	^			Х					$\dashv$	$\dashv$	$\dashv$		$\dashv$	X	Х	+	$\dashv$	+	+				1			$\longrightarrow$	$\dashv$	$\dashv$	_
410MarketPriceHorizontalScaling	X	$\vdash$	-+	X	_					^					$\dashv$	$\dashv$	$\dashv$		х	^	^	+	+	+	+				Х			$\vdash$	$\dashv$	$\dashv$	_
420MarketPriceAdminDomainConfig	X	$\vdash\vdash\vdash$	$\dashv$	<del>  ^</del>	1	$\vdash$								$\vdash \vdash \vdash$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	X	$\dashv$		+	+	x	+	+	-	}	<del>  ^</del>			$\vdash$		$\dashv$	—
421 MarketPrice ProgrammaticConfig	X	$\vdash\vdash\vdash$	$\dashv$	+	-	$\vdash$								$\vdash \vdash \vdash$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	^	Х		+	X	<del>^</del>	+	+	-	}	$\vdash$			$\vdash$		$\dashv$	—
421 MarketPrice ProgrammaticConfig 422 MarketPrice ErrorClient	X	$\vdash\vdash$	$\dashv$	+		1									$\dashv$	+	$\dashv$		+	X		+	^	+	+	-			1			$\longmapsto$		$\longrightarrow$	
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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
100MarketPriceStreaming	Χ		Х							Χ		X							
110MarketByOrderStreaming	Х		Х							Χ		X							
170MarketPriceChannelInfo	Х		Х	Х						Х		X	Χ					Х	
200_MarketPrice_Streaming	Х			Х						Χ		X	X						
201MarketPriceTunnelingConnection	Х	Χ		Х						Χ		X	Χ						
210MarketByOrderStreaming	Х			Х						Х		Х	Χ						
250MarketPricePerformance	Х			Х						Х		X	X						
251MarketPricePerformanceKeyByServiceId	Х			Х						Х		Х	Х						
300MarketPriceStreaming	Х					Х			Х			Х	Х						
310MarketByOrderStreaming	Х					Х			Х			X	X						
320MarketPriceStreamingStatusClosed	Х					Х			Х			X	X		Х				
340LoginStreaming	Х			Х			Х			X	X		X						
350DictionaryStreaming	Х			Х				Х		X		X	X						
360MarketPriceConnectionRecovery	X			X			X			X	X		X			X			

			Sti	ructu	ire			
Msg.ToString()	Map::add<>()	ist::add<>()	ElementList::add<>/()	shMsg::set<>()	teMsg::set<>()	StatusMsg::set<>()	RefreshMsg::get<>()	StatusMsg::get<>()
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Msg.	× Map:	× × FieldL	Eleme	× × Refre	x × Updat	Statu	Refre	Status
Msg.		X X FieldL	Eleme	x x Refre	X X Updat	Statu	Refre	Status
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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
100MarketPriceStreaming	X	X						X		X		X			
102_MarketPrice_Snapshot	Х	Х						Х		Х		Χ			
112_MarketPriceTunnelingConnection	Х	Х						Х		Х		Χ			
130MarketPriceUserDispatch	Х	Х						Х		Х	Χ				
140_MarketByOrderStreaming	Х	Х						Х		Х		Χ			
150MarketByOrderSnapshot	Х	Х						Х		Х		Χ			
160LoginAcceptDeny		Χ						Х		Х		Χ			
170MarketPriceConnectedClientInfo	Х	Х						Х		Х		Χ	Х		Χ
200MarketPriceStreaming	Х		Х					Х		Х	Х		Х		
210MarketByPriceStreaming	Х		Х					Х		Х	Х		Х		
240SourceDirectoryFanout	Х		Х		Х			Х		Х		Χ	Х		
250GroupStatusFanout	Х		Х		Х			Х		Х		Χ	Х		
260CustomNestedMsg	Х		Х					Х		X	Χ		X		
280MarketPricePerformance	Х		X					Χ		X	X		X		
300MarketPriceClose	Х		X					Х		X		X	X		
301MarketPricePriorityChange	Х		X					Х		X	Χ		X		
320CustomGenericMsg	Х		Χ					Х		X	X		X		
331DirectoryUserControl	Х				Χ		Χ			X		Χ	X		
332DictionaryUserControl	Х							Х	Х			X	X		
350DictionaryStreaming	Х		X			Χ		Х		X		Χ	X		
380MarketPriceConnectionLost	Х		Х		_			Х		Х		Χ	Х		

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Map::add<>()	x x x x x FieldList::add<>()	ElementList::add<>()	X X X X X X X X X RefreshMsg::set<>()	× UpdateMsg::set<>()
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Х	Х		Х	Χ
X	Х	Х	Х	X
Χ	Х	Χ	X	Χ
	Х		Х	Х
	Χ		Χ	Х
	Х		Х	Х
	Χ		Χ	Χ
	Х	Х	Х	Х
Х	Х	Х	Х	Х
Х	Х		Х	Х
Х	Х		Х	Х
	Х		Х	Х