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## List of EMA Java Consumer Examples

DocID: EMAJ330EX.190

| Consumer Example Name   | Feature           |                      |                  |               |             |     |          |       |      |            |                |                     |                    |     |                     |                  |                        |           |          |                        |             |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
|---|-------------------|----------------------|------------------|---------------|-------------|-----|----------|-------|------|------------|----------------|---------------------|--------------------|-----|---------------------|------------------|------------------------|-----------|----------|------------------------|-------------|---------------------|--------------------------------|------------------------|--------------------------------|---------------|------------------|----------------------|---------------|---------------|--------------------|-------------------------------|---------------|---------------------|-----------------------------|--------------------|---------------------------------|--|
|   | Streaming request | Tunneling Connection | Snapshot request | Close request | Set Closure | Qos | Priority | Batch | View | SymbolList | Private Stream | On Stream postiring | Off Stream Posting | VPI | Sending generic msg | Reissue priority | Reissue Pause & Resume | User Disp | Api Disp | Sub Stream(Msg in Msg) | File Config | Programmatic Config | User Specified Config Location | Specify Admin messages | Programatic Local admin domain | Rmtes Decoder | forth(FieldName) | forth( const Data &) | Tunnel stream | Ripple Fields | Horizontal Scaling | Authentication Token Handling | Login Reissue | Channel Information | Login Domain Representation | Session Management | ServiceEndpointDiscovery Helper |  |
| example100_MarketPrice_Streaming                              | X                 |                      |                  |               |             |     |          |       |      |            |                |                     |                    |     |                     |                  |                        |           | X        |                        |             |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example101_MarketPrice_QosPriority                            | X                 |                      |                  |               |             | X   | X        |       |      |            |                |                     |                    |     |                     |                  |                        |           | X        |                        |             |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example102_MarketPrice_Snapshot                               |                   |                      | X                |               |             |     |          |       |      |            |                |                     |                    |     |                     |                  |                        | X         |          |                        |             |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example110_MarketPrice_FileConfig                             | X                 |                      |                  |               |             |     |          |       |      |            |                |                     |                    |     |                     |                  |                        |           | X        |                        | X           |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example111_MarketPrice_UserSpecifiedFileConfig                | X                 |                      |                  |               |             |     |          |       |      |            |                |                     |                    |     |                     |                  |                        |           | X        |                        | X           |                     | X                              |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example112_MarketPrice_TunnelingConnection                    | X                 | X                    |                  |               |             |     |          |       |      |            |                |                     |                    |     |                     |                  |                        |           | X        |                        | X           |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example113_MarketPrice_SessionManagement                      | X                 | X                    |                  |               |             |     |          |       |      |            |                |                     |                    |     |                     |                  |                        |           | X        |                        | X           |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    | X                               |  |
| example120_MarketPrice_FieldListWalk                          | X                 |                      |                  |               |             |     |          |       |      |            |                |                     |                    |     |                     |                  |                        |           | X        |                        |             |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example130_MarketPrice_UserDisp                               | X                 |                      |                  |               |             |     |          |       |      |            |                |                     |                    |     |                     |                  |                        | X         |          |                        |             |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example140_MarketByOrder_Streaming                            | X                 |                      |                  |               |             |     |          |       |      |            |                |                     |                    |     |                     |                  |                        |           | X        |                        |             |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example170_MarketPrice_ChannelInfo                            | X                 |                      |                  |               |             |     |          |       |      |            |                |                     |                    |     |                     |                  |                        |           | X        |                        | X           |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               | X                   |                             |                    |                                 |  |
| example200_MarketPrice_Streaming                              | X                 |                      |                  |               |             |     |          |       |      |            |                |                     |                    |     |                     |                  |                        |           | X        |                        |             |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example210_MarketByOrder_Streaming                            | X                 |                      |                  |               |             |     |          |       |      |            |                |                     |                    |     |                     |                  |                        |           | X        |                        |             |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example220_MarketByPrice_PrivateStream                        | X                 |                      |                  |               |             |     |          |       |      |            | X              |                     |                    |     |                     |                  |                        |           | X        |                        |             |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example230_MarketByOrder_SwitchEntryAction                    | X                 |                      |                  |               |             |     |          |       |      |            |                |                     |                    |     |                     |                  |                        |           | X        |                        |             |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example240_MarketPrice_RippleFields                           | X                 |                      |                  |               | X           |     |          |       |      |            |                |                     |                    |     |                     |                  |                        |           | X        |                        |             |                     |                                |                        |                                |               |                  |                      |               | X             |                    |                               |               |                     |                             |                    |                                 |  |
| example250_Custom_Opaque                                      | X                 |                      |                  |               |             |     |          |       |      |            |                |                     |                    |     |                     |                  |                        |           |          | X                      |             |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example270_SymbolList   | X                 |                      |                  |               |             |     |          |       |      |            |                |                     |                    |     |                     |                  |                        |           |          | X                      |             |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example280_MarketPrice_Performance                            | X                 |                      |                  |               |             |     |          |       |      |            |                |                     |                    |     |                     |                  |                        |           |          | X                      |             |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example290_Custom_Decode                                      | X                 |                      |                  |               | X           |     |          |       |      |            |                |                     |                    |     |                     |                  |                        |           |          | X                      |             |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example291_Custom_DownCast                                    | X                 |                      |                  |               | X           |     |          |       |      |            |                |                     |                    |     |                     |                  |                        |           | X        |                        |             |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example300_MarketPrice_Close                                  | X                 |                      |                  | X             | X           |     |          |       |      |            |                |                     |                    |     |                     |                  |                        |           |          | X                      |             |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example301_MarketPrice_PriorityChange                         | X                 |                      |                  |               | X           |     |          |       |      |            |                |                     |                    |     |                     | X                |                        |           | X        |                        |             |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example310_MarketPrice_Rmtes                                  | X                 |                      |                  |               |             |     |          |       |      |            |                |                     |                    |     |                     |                  |                        |           |          | X                      |             |                     |                                |                        |                                | X             |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example320_Custom_GenericMsg                                  | X                 |                      |                  |               | X           |     |          |       |      |            |                |                     |                    |     | X                   |                  |                        |           | X        |                        |             |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example330_Login_Streaming                                    | X                 |                      |                  |               |             |     |          |       |      |            |                |                     |                    |     |                     |                  |                        |           | X        |                        |             |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example331_Directory_Streaming                                | X                 |                      |                  |               |             |     |          |       |      |            |                |                     |                    |     |                     |                  |                        |           |          | X                      |             |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example332_Dictionary_Streaming                               | X                 |                      |                  |               |             |     |          |       |      |            |                |                     |                    |     |                     |                  |                        |           |          | X                      |             |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example333_Login_Streaming_DomainRepresentation               | X                 |                      |                  |               |             |     |          |       |      |            |                |                     |                    |     |                     |                  |                        |           | X        |                        |             |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     | X                           |                    |                                 |  |
| example340_MarketPrice_OnStreamPost                           | X                 |                      |                  |               | X           |     |          |       |      |            |                | X                   |                    |     |                     |                  |                        |           |          | X                      |             |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example341_MarketPrice_OffStreamPost                          | X                 |                      |                  |               | X           |     |          |       |      |            |                |                     | X                  | X   |                     |                  |                        |           |          | X                      |             |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example350_MarketPrice_PauseAll                               | X                 |                      |                  |               |             |     |          |       |      |            |                |                     |                    |     |                     |                  |                        |           | X        |                        |             |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example360_MarketPrice_View                                   | x                 |                      |                  |               |             |     |          |       | X    |            |                |                     |                    |     |                     |                  |                        |           | X        |                        |             |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example370_MarketPrice_Batch                                  | X                 |                      |                  |               |             |     | X        |       |      |            |                |                     |                    |     |                     |                  |                        |           |          | X                      |             |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example400_Custom_NestedMessaging                             | X                 |                      |                  |               | X           |     |          |       |      |            | X              |                     |                    |     |                     |                  |                        |           |          | X                      | X           |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example410_MarketPrice_HorizontalScaling                      | X                 |                      |                  |               | X           |     |          |       |      |            |                |                     |                    |     |                     |                  |                        |           | X        |                        |             |                     |                                |                        |                                |               |                  |                      |               |               | X                  |                               |               |                     |                             |                    |                                 |  |
| example420_MarketPrice_AdminDomainConfig                      | X                 |                      |                  |               |             |     |          |       |      |            |                |                     |                    |     |                     |                  |                        |           | X        |                        |             |                     |                                | X                      |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example421_MarketPrice_ProgrammaticConfig                     | X                 |                      |                  |               |             |     |          |       |      |            |                |                     |                    |     |                     |                  |                        |           |          | X                      |             | X                   |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example422_MarketPrice_ErrorClient                            | X                 |                      |                  |               |             |     |          |       |      |            |                |                     |                    |     |                     |                  |                        |           |          | X                      |             |                     |                                |                        |                                |               |                  |                      |               |               |                    |                               |               |                     |                             |                    |                                 |  |
| example423_MarketPrice_AdminDomainConfig_DomainRepresentation | X                 |                      |                  |               |             |     |          |       |      |            |                |                     |                    |     |                     |                  |                        | X         |          |                        |             |                     | X                              |                        |                                |               |                  |                      |               |               |                    |                               |               |                     | X                           |                    |                                 |  |

[illegible]

## List of EMA Java Non-Interactive Provider Examples

| Non-Interactive Provider Example Name             | Feature   |                            |  |  |                                 |               |                    |                             |                            |              |             |             |                     |                       |                     |                               |                     |               |  |
|---|-----------|----------------------------|--|--|---------------------------------|---------------|--------------------|-----------------------------|----------------------------|--------------|-------------|-------------|---------------------|-----------------------|---------------------|-------------------------------|---------------------|---------------|--|
|   | 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 |  |
| example100_MarketPrice_Streaming                  | X         | X                          |  |  |                                 |               |                    |                             | X                          |              | X           |             |                     |                       |                     |                               |                     |               |  |
| example110_MarketByOrder_Streaming                | X         | X                          |  |  |                                 |               |                    |                             | X                          |              | X           |             |                     |                       |                     |                               |                     |               |  |
| example170_MarketPrice_ChannelInfo                | X         |                            | X  |  |                                 |               |                    |                             | X                          | X            |             |             |                     |                       |                     |                               | X                   |               |  |
| example200_MarketPrice_Streaming                  | X         |                            | X  |  |                                 |               |                    |                             | X                          |              | X           | X           |                     |                       |                     |                               |                     |               |  |
| example210_MarketByOrder_Streaming                | X         |                            | X  |  |                                 |               |                    |                             | X                          |              | X           | X           |                     |                       |                     |                               |                     |               |  |
| example250_MarketPrice_Performance                | X         |                            | X  |  |                                 |               |                    |                             | X                          |              | X           | X           |                     |                       |                     |                               |                     |               |  |
| example251_MarketPrice_Performance_KeyByServiceId | X         |                            | X  |  |                                 |               |                    |                             | X                          |              | X           | X           |                     |                       |                     |                               |                     |               |  |
| example300_MarketPrice_Streaming                  | X         |                            |  |  | X                               |               |                    | X                           |                            |              | X           | X           |                     |                       |                     |                               |                     |               |  |
| example310_MarketByOrder_Streaming                | X         |                            |  |  | X                               |               |                    | X                           |                            |              | X           | X           |                     |                       |                     |                               |                     |               |  |
| example320_MarketPrice_Streaming_StatusClosed     | X         |                            |  |  | X                               |               |                    | X                           |                            |              | X           | X           |                     | X                     |                     |                               |                     |               |  |
| example340_Login_Streaming                        | X         |                            | X  |  |                                 | X             |                    |                             | X                          | X            |             | X           |                     |                       |                     |                               |                     |               |  |
| example350_Dictionary_Streaming                   | X         |                            | X  |  |                                 |               | X                  |                             | X                          |              | X           | X           |                     |                       |                     |                               |                     |               |  |
| example360_MarketPrice_ConnectionRecovery         | X         |                            | X  |  |                                 | X             |                    |                             | X                          | X            |             | X           |                     |                       | X                   |                               |                     |               |  |
| example421_MarketPrice_ProgrammaticConfig         | X         |                            |  | X  |                                 |               |                    |                             | X                          |              | X           |             | X                   |                       |                     |                               |                     |               |  |
| example430_MarketPrice_TREPAAuthentication        | X         |                            | X  |  |                                 |               |                    |                             | X                          |              | X           | X           |                     |                       |                     | X                             |                     | X             |  |

[illegible]

## 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 |
| example100_MarketPrice_Streaming           | X         | X                          |  |  |                                 |                    |                             | X                          |                              | X                           |              | X           |             |
| example102_MarketPrice_Snapshot            | X         | X                          |  |  |                                 |                    |                             | X                          |                              | X                           |              | X           |             |
| example130_MarketPrice_UserDispatch        | X         | X                          |  |  |                                 |                    |                             | X                          |                              | X                           | X            |             |             |
| example140_MarketByOrder_Streaming         | X         | X                          |  |  |                                 |                    |                             | X                          |                              | X                           |              | X           |             |
| example150_MarketByOrder_Snapshot          | X         | X                          |  |  |                                 |                    |                             | X                          |                              | X                           |              | X           |             |
| example160_Login_AcceptDeny                |           | X                          |  |  |                                 |                    |                             | X                          |                              | X                           |              | X           |             |
| example170_MarketPrice_ConnectedClientInfo | X         |                            | X  |  |                                 |                    |                             | X                          |                              | X                           | X            |             | X           |
| example200_MarketPrice_Streaming           | X         |                            | X  |  |                                 |                    |                             | X                          |                              | X                           | X            |             | X           |
| example210_MarketByPrice_Streaming         | X         |                            | X  |  |                                 |                    |                             | X                          |                              | X                           | X            |             | X           |
| example240_SourceDirectory_Fanout          | X         |                            | X  |  | X                               |                    |                             | X                          |                              | X                           |              | X           | X           |
| example250_GroupStatus_Fanout              | X         |                            | X  |  | X                               |                    |                             | X                          |                              | X                           |              | X           | X           |
| example260_Custom_NestedMsg                | X         |                            | X  |  |                                 |                    |                             | X                          |                              | X                           | X            |             | X           |
| example280_MarketPrice_Performance         | X         |                            | X  |  |                                 |                    |                             | X                          |                              | X                           | X            |             | X           |
| example300_MarketPrice_Close               | X         |                            | X  |  |                                 |                    |                             | X                          |                              | X                           |              | X           | X           |
| example301_MarketPrice_PriorityChange      | X         |                            | X  |  |                                 |                    |                             | X                          |                              | X                           | X            |             | X           |
| example320_Custom_GenericMsg               | X         |                            | X  |  |                                 |                    |                             | X                          |                              | X                           | X            |             | X           |
| example331_Directory_UserControl           | X         |                            |  |  | X                               |                    | X                           |                            |                              | X                           |              | X           | X           |
| example332_Dictionary_UserControl          | X         |                            | X  |  |                                 |                    |                             | X                          | X                            |                             |              | X           | X           |
| example350_Dictionary_Streaming            | X         |                            | X  |  |                                 | X                  |                             | X                          |                              | X                           |              | X           | X           |
| example380_MarketPrice_ConnectionLost      | X         |                            | X  |  |                                 |                    |                             | X                          |                              | X                           |              | X           | X           |
| example421_MarketPrice_ProgrammaticConfig  | X         |                            |  | X  |                                 |                    |                             | X                          |                              | X                           | X            |             | X           |

| Structure    |                    |                      |                     |                    |                     |                    |  |
|--------------|--------------------|----------------------|---------------------|--------------------|---------------------|--------------------|--|
| Map::add<>() | FieldList::add<>() | ElementList::add<>() | RefreshMsg::set<>() | UpdateMsg::set<>() | RefreshMsg::get<>() | UpdateMsg::get<>() |  |
|              | 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                  |                     |                    |  |