List of Consumer Examples

DocID: EMAJ363EX.210

| Consumer Example Name | Feature | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|-------------------|----------------------|------------------|------------------------------|-----|----------|-------|------|------------|----------------|--------------------|-----|---------------------|------------------|------------------------|-----------|------------------------------------|------------------------------------|---|--------------------------------|---|---------------|------------------|----------------------|---------------|---------------|--------------------|-------------------------------|---------------|-----------|---------------------|-----------------------------|--------------------|---------------------------------|
| Consumer Example Name | | | | | | | | | | | | | | | | | reatu | 16 | | | | | | | | | | | | | | | | |
| | Streaming request | Tunneling Connection | Snapshot request | Close request Set Closure | Jos | Priority | Batch | View | SymbolList | Private Stream | Off Stream Posting | VPI | Sending generic msg | Reissue priority | Reissue Pause & Resume | User Disp | Api Disp Sub Stream(Msg in Msg) | File 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 | HandleRTT | Channel Information | Login Domain Representation | Session Management | ServiceEndpointDiscovery Helper |
| ex100_MP_Streaming | X | | 0, | 0, | | | | | 0, | | | | 0, | | | | X S | | | | , | | Į | _ | | | | | | _ | | | -, - | , |
| ex101_MP_QosPriority | Х | | | | Х | Х | | | | | | | | | | | x | | | | | | | | | | | | | | | | | |
| ex102_MP_Snapshot | | | Х | | | | | | | | | | | | | 2 | X | | | | | | | | | | | | | | | | | |
| ex110_MP_FileCfg | Х | | | | | | | | | | | | | | | 2 | Х | Х | | | | | | | | | | | | | | | | |
| ex111_MP_UserSpecifiedFileCfg | Х | | | | | | | | | | | | | | | | X | Х | | Х | | | | | | | | | | | | | | |
| ex112_MP_TunnelingConnection | Х | Х | | | | | | | | | | | | | | | Х | Х | | | | | | | | | | | | | | | | |
| ex113_MP_SessionMgmt | Х | Х | | | | | | | | | | | | | | 2 | X | Х | | | | | | | | | | | | | | | Х | |
| ex120_MP_FieldListWalk | X | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| ex130_MP_UserDisp | Х | | | | | | | | | | | | | | | Х | | | | | | | | | | | | | | | | | | |
| ex140_MBO_Streaming | X | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| ex170_MP_ChannelInfo | X | | | | | | | | | | | | | | | | X | X | | | | | | | | | | | | | Х | | | |
| ex180_MP_Websocket | X | | | | | | | | | | | | | | | Х | | Х | | | | | | | | | | | | | | | | |
| ex200_MP_Streaming | Х | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| ex210_MBO_Streaming | Х | | | | | | | | | | | | | | | _ | X | | | | | | | | | | | | | | | | | |
| ex220_MBP_PrivateStream | X | | | | | | | | | Х | | | | | | Х | | | | | | | | | | | | | | | | | | |
| ex230_MBO_SwitchEntryAction | Х | | | | | | | | | | | | | | | Х | | | | | | | | | | | | | | | | | | |
| ex240_MP_RippleFields | Х | | | Х | | | | | | | | | | | | Х | | | | | | | | | | Х | | | | | | | | |
| ex250_Custom_Opaque | Х | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | \rightarrow | _ |
| ex270_SymbolList | Х | | | | | | | | | | | | | | | _ | X | | | | | | | | | | | | | | | | | |
| ex280_MP_Perf | Х | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| ex290_Custom_Decode | Х | | | Х | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| ex291_Custom_DownCast | Х | | | Х | | | | | | | | | | | | Х | | | | | | | | | | | | | | | | | | |
| ex300_MP_Close | X | | | X X | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| ex301_MP_PriorityChange | Х | | | Х | | | | | | | | | | Х | | Х | | | | | | | | | | | | | | | | | | |
| ex310_MP_Rmtes | Х | | | | | | | | | | | | | | | | X | | | | | Х | | | | | | | | | | | | |
| ex320_Custom_GenericMsg | X | | | Х | | | | | | | | | X | | | Х | | | | | | | | | | | | | | | | | | |
| ex330_Login_Streaming | Х | | | | | | | | | | | | | | | Х | | | | | | | | | | | | | | | | | | |
| ex331_Directory_Streaming | Х | | | | | | | | | | | | | | | - | X | | | | | | | | | | | | | | | | | |
| ex332_Dictionary_Streaming | Х | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| ex333_Login_Streaming_DomainRep | Х | | | | | | | | | | | | | | | Х | | | | | | | | | | | | | | | | Х | | |
| ex340_MP_OnStreamPost | Х | | | Х | - | | | | | Х | | | | | | | X | | | | | | | | | | | | | | | | | |
| ex341_MP_OffStreamPost | Х | | | Х | 1 | | | | ļ | | X | Х | | | _ | | X | $\downarrow \downarrow \downarrow$ | | | | | | | | | | | | | | | \perp | |
| ex350_MP_PauseAll | Х | | | | 1 | | | | ļ | | | | | | | Х | _ | $\downarrow \downarrow \downarrow$ | | | | | | | | | | | | | | | \perp | |
| ex360_MP_View | Х | | | | 1 | <u> </u> | | Х | ļ | | _ | | | | | Х | _ | $\perp \perp$ | | | | | | | | | | | | | | | \perp | |
| ex370_MP_Batch | X | ļ | | | | | Х | | | | | | | \perp | | | X | + | | | _ | - | | | | | | | | | | | \bot | _ |
| ex400_Custom_NestedMessaging | X | ļ | | X | _ | | | | | Х | + | | | \perp | _ | | x x | + | | | | | | | | | | | | | | | \perp | |
| ex410_MP_HorizontalScaling | X | ļ | | Х | 1 | | | | | | + | | | \perp | | X | | + | | | \perp | | | | | | Х | | | | | | \perp | |
| ex420_MP_AdmDomainCfg | X | ļ | | | 1 | | | | | | + | | | \perp | | X . | _ | + | | | X | | | | | | | | | | | | \perp | |
| ex421_MP_ProgrammaticCfg | X | - | | | + | _ | | | \dashv | | + | | | | | | X | + | Х | | _ | - | | | | | | | | | | | | \dashv |
| ex422_MP_ErrorClient | X | | | | + | <u> </u> | | | \dashv | | + | | | | - | | X | + | _ | | + | - | | | | | | | | | | ,, | \dashv | \dashv |
| ex423_MP_AdmDomainCfg_DomainRep | X | ļ | | | 1 | | | | | | + | | | \perp | - - | X . | _ | + | | | X | | | | | | | | | | | X | \perp | |
| ex430_MP_Authentication | X | | | | + | <u> </u> | | | \dashv | | + | | | | + | | X | + | _ | | х х | | | | | | | X | X | | | Х | \dashv | \dashv |
| ex440_System_TunStrm | X | | | | 1 | | | | | | + | | | \perp | _ | | X X | + | | | | | | | Х | | | | | | | | | |
| ex450_MP_QueryServiceDiscovery | X | Х | | | - | | | | | \perp | | | | \perp | | _ | X | 1 | Х | | _ | - | | | | | | | | | | | Х | Х |
| ex460_MP_RTT | X | | | ,, | + | <u> </u> | | | \dashv | | + | | | | + | | X | Х | | _ | - | - | | | | | | | | Х | | | | = |
| RRT Market Data Viewer | X | | Х | X X | | | X | Х | | | | | | | | | X | | Х | | | | | | | | | | | | | | Х | Х |

| | | | | | | 9 | Struc | ture | | | | | | |
|--------------------|---------------------------|----------------------------|----------------|---------------------|--------------------------------------|-------------------------------------|--------------------------------------|--------------------------------|----------------------------------|---------------------|---------------------------------------|--|--------------------------|----------------|
| × × 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 |
| X | | | | | | | | | | | | | | |
| Х | | | | | | | | | | | | | | |
| X | | | | | | | | | | | | | | |
| X | | | | | | | | | | | | | | |
| Х | | | | | | | | | | | | | | |
| | X | | | | | | | | | | | | | |
| | ^ | Х | | | | | | | | | | | | |
| Х | | | | | | | | | | | | | | |
| Х | | | Х | | | | | | | | | | | |
| | | | | Х | | | | | | | | | | |
| | | | | Х | | | | | | | | | | |
| | | | | Х | Х | | | | | | | | | |
| | | | | ^ | | | | | | | | | | Х |
| | | | | Х | | | | | | | | | | |
| | | | Х | | | Х | | | | | | | | |
| | | | | | | | Х | | | | | | | |
| | | | Χ | | | | | | | | | | | |
| | | | X | | | | | | | | | | | |
| | | | | | | | | Х | | | | | | |
| | | | Х | | | | | | | | Х | | | |
| | | | X | | | | | | | | | Х | Х | |
| | | | X | | | | | | | | Х | | | |
| | | | | | | | | | X | | | | | |
| | | | X | | | | | | Х | | | | | |
| | | | X | | | | | | | | | | | |
| | | | Х | | | | | | | | | | | |
| | | | X | | | | | | | Х | | | | |
| | | | X | | | | | | | | | | | |
| | | | X | | | | | | | | | | | |
| | | | X | | | | | | | | | | | |
| Х | | | X | | | | | | | | | | | |
| _ | | | X | | | | | | | | | | | |
| X | | | | | | | | Х | | | | | | |
| ^ | | | Х | | | Х | | ^ | | | | | | |
| | | | | | | | | | | | | | | |

List of Non-Interactive Provider Examples

| Non-Interactive Provider 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 |
| ex100_MP_Streaming | Х | | Х | | | | | | | Χ | | X | | | | | | | |
| ex110_MBO_Streaming | Х | | Χ | | | | | | | Х | | Х | | | | | | | |
| ex170_MP_ChannelInfo | Х | | | Х | | | | | | Χ | | Х | | | | | | Χ | |
| ex200_MP_Streaming | Х | | | Х | | | | | | Χ | | Х | Χ | | | | | | |
| ex201_MP_TunnelingConnection | Х | Х | | Х | | | | | | Χ | | Х | Χ | | | | | | |
| ex210_MBO_Streaming | Х | | | X | | | | | | Х | | X | X | | | | | | |
| ex250_MP_Perf | Х | | | X | | | | | | X | | X | X | | | | | | |
| ex251_MP_Perf_KeyByServiceId | Х | | | X | | | | | | X | | X | X | | | | | | |
| ex300_MP_Streaming | Х | | | | | X | | | X | | | X | X | | | | | | |
| ex310_MBO_Streaming | Х | | | | | Χ | | | Χ | | | X | X | | | | | | |
| ex320_MP_Streaming_StatusClosed | X | | | | | X | | | Χ | | | X | X | | Χ | | | | |
| ex340_Login_Streaming | X | | | Χ | | | Х | | | Χ | X | | X | | | | | | |
| ex350_Dictionary_Streaming | Х | | | X | | | | X | | Χ | | X | X | | | | | | |
| ex360_MP_ConnectionRecovery | X | | | X | | | Х | | | Χ | X | | X | | | X | | | |
| ex421_MP_ProgrammaticCfg | X | | | | Χ | | | | | Χ | | X | | Χ | | | | | |
| ex430_MP_Authentication | X | | | X | | | | | | X | | X | X | | | | X | | X |

| | Structure | | | | | | | | | | | | | | |
|---|----------------|--------------|---------------------------------------|----------------------|--|--|--------------------|---------------------|--------------------|--|--|--|--|--|--|
| | Msg.ToString() | Map::add<>() | ieldList::add<>() | ElementList::add<>() | tefreshMsg::set<>() | JpdateMsg::set<>() | StatusMsg::set<>() | RefreshMsg::get<>() | StatusMsg::get<>() | | | | | | |
| | _ | _ | ш. | ш | - | _ | L CO | | S | | | | | | |
| ľ | | | Х | ш_ | Х | X | S | | S | | | | | | |
| | | X | X | Ш | X | X | <u> </u> | | S | | | | | | |
| | <u></u> | | X | <u>ш</u> | X | X X X | <u></u> | | S | | | | | | |
| | u u | | X X X | 3 | X X X | X X X | <u> </u> | | S | | | | | | |
| | | | X X X X | | X X X X | х х х х | 5 | | S | | | | | | |
| | | | X X X X X | | X X X X X | X X X X X | | | <u>S</u> | | | | | | |
| | | X | X X X X X X | | X X X X X | X X X X X X | | | <u>S</u> | | | | | | |
| | <u></u> | X | X X X X X X X | | X X X X X X | X X X X X X | | | <u>S</u> | | | | | | |
| | | 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 | Х | 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<>() | | 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 | | | | | | | | | |

List of Interactive Provider Examples

| Interactive Provider Example Name | | | Feature | | | | | | | | | | | | | | | | | |
|-----------------------------------|-----------|----------------------|----------------------------|--|--|---------------------------------|--------------------|-----------------------------|----------------------------|------------------------------|-----------------------------|--------------|-------------|-------------|-----------|------------------------------|-----------------------------|---------|---------------------|------------------------|
| | Streaming | Tunneling Connection | 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 | HandleRTT | Connected Client Information | Login Domain Representation | Posting | Programmatic Config | Closing client channel |
| ex100_MP_Streaming | X | Tı | X | ŭ | ŭ | Sı | D | ۵ | X | D | X | O | X | Ξ | I | Ö | ΓC | P | Pı | <u></u> |
| ex102_MP_Snapshot | X | | X | | | | | | Х | | X | | Х | | | | | | | |
| ex130_MP_UserDispatch | X | | Х | | | | | | Х | | X | Х | | | | | | | | \Box |
| ex140_MBO_Streaming | X | | X | | | | | | Х | | X | | Х | | | | | | | |
| ex150_MBO_Snapshot | X | | X | | | | | | X | | X | | X | | | | | | | |
| ex160_Login_AcceptDeny | | | Х | | | | | | Х | | X | | Х | | | | | | | |
| ex161_Login_AcceptDeny_DomainRep | | | Х | | | | | | Х | | X | | Х | | | | Х | | | |
| ex170_MP_ConnectedClientInfo | Х | | | Х | | | | | Х | | Х | Х | | | | Х | | | | |
| ex180_MP_Websocket | Х | | | X | | | | | Х | | X | Х | | Х | | | | | | Х |
| ex200_MP_Streaming | X | | | X | | | | | X | | X | X | | X | | | | | | |
| ex201_MP_Encrypted | Х | Х | | X | | | | | Х | | X | | Х | X | | | | | | |
| ex210_MBP_Streaming | X | | | X | | | | | X | | X | Х | | X | | | | | | |
| ex240_SourceDirectory_Fanout | Х | | | X | | Х | | | Х | | X | | Х | | | | | | | |
| ex250_GroupStatus_Fanout | Х | | | Х | | Х | | | Х | | Х | | Х | | | | | | | |
| ex260_Custom_NestedMsg | Х | | | Х | | | | | Х | | Х | Х | | Х | | | | | | |
| ex280_MP_Perf | Х | | | Х | | | | | Х | | Х | Х | | Х | | | | | | |
| ex300_MP_Close | Х | | | Х | | | | | Х | | Х | | Х | | | | | | Х | |
| ex301_MP_PriorityChange | Х | | | Х | | | | | Х | | X | Х | | Х | | | | | | |
| ex320_Custom_GenericMsg | Х | | | Х | | | | | Х | | Х | Х | | Х | | | | | | |
| ex331_Directory_UserControl | Х | | | | | Х | | Х | | | Х | | Х | Х | | | | | | |
| ex332_Dictionary_UserControl | Х | | | Х | | | | | Х | X | | | Х | Х | | | | | | |
| ex340_MP_Posting | Х | | | Х | | | | | | | | | Х | Х | | | | Х | | |
| ex350_Dictionary_Streaming | Х | | | Х | | | Х | | Х | | X | | Х | Х | | | | | | |
| ex380_MP_ConnectionLost | Х | | | Х | | | | | Х | | Х | | Х | Х | | | | | | |
| ex421_MP_ProgrammaticCfg | Х | | | | Х | | | | Х | | X | X | | | | | | | X | |
| ex460_MP_RTT | Х | | | Х | | | | | | | | Х | | Х | Х | | | | | |

| | | | | Stru | cture |) | | | |
|--------------|----------------------------|----------------------|-------------------------------------|----------------------|---------------------|------------------|----------------|---------------------|--------------------|
| Map::add<>() | x x x x FieldList::add<>() | ElementList::add<>() | X X X X X X X X RefreshMsg::set<>() | × UpdateMsg::set<>() | RefreshMsg::get<>() | PostMsg::get<>() | AckMsg:set<>() | GenericMsg::get<>() | UpdateMsg::get<>() |
| | Х | | Х | X | | 1 | 1 | | |
| | Х | | Х | | | | | | |
| | Х | | Χ | X | | | | | |
| X | | | X | X | | | | | |
| X | X | | X | | | | | | |
| | | | Х | | | | | | |
| | | | Х | | | | | | |
| | X | | Х | X | | | | | |
| | X | | X | X | | | | | |
| | Х | | X | X X X | | | | | |
| | | | X | X | | | | | |
| X | X | V | X | X | | | | | |
| X | X | X | | X | | | | | |
| Х | X | Х | X | X | | | | | |
| | X | | X | X | | | | | |
| | X | | X | X | | | | | |
| | X | | X | Х | | | | | |
| | X | Х | X | X | | | | | |
| Х | Х | Х | Х | Х | | | | | |
| Х | Х | | Х | Х | | | | | |
| | Х | Х | Х | | | Х | Х | | |
| Х | Х | | Х | Х | Х | | | | X |
| | Х | | Х | Х | | | | | |
| | X | | Х | Х | | | | | |
| | X | X | X | X | | | | X | |