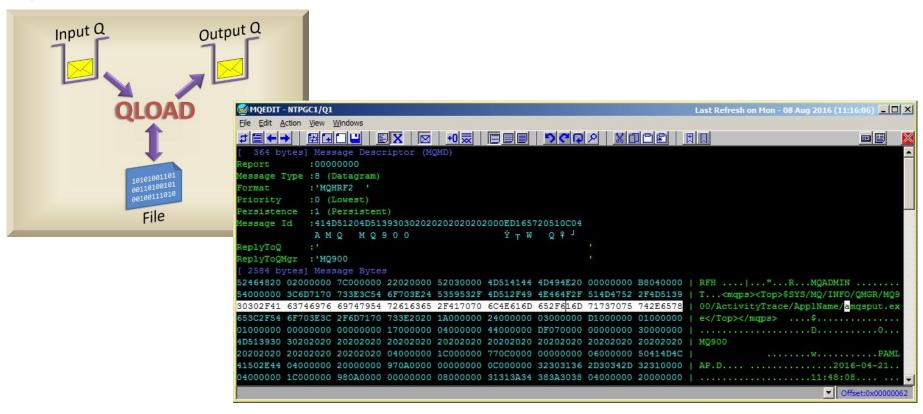
Message Manipulation Tools

QLOAD



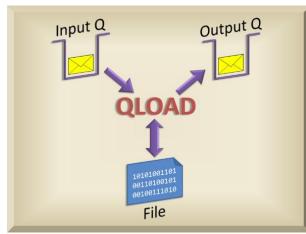


Paul Clarke support@mqgem.com www.mqgem.com

Agenda



- QLOAD
 - Features
 - Demo



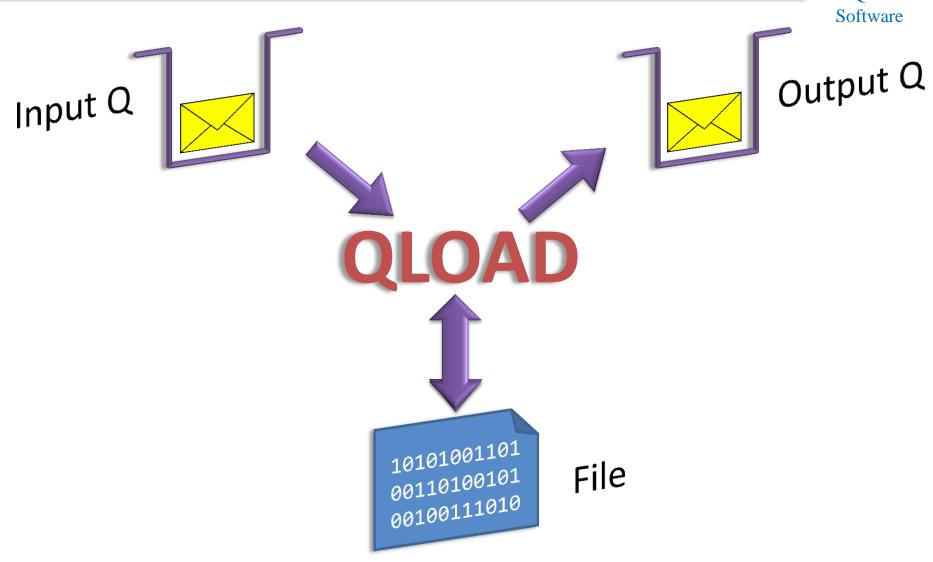
- MQEDIT
 - Features
 - Demo

Q&A

```
| Cast Action | New | Windows | File | Edit | Action | New | Windows | File | Edit | Action | New | Windows | File | Edit | Edit
```

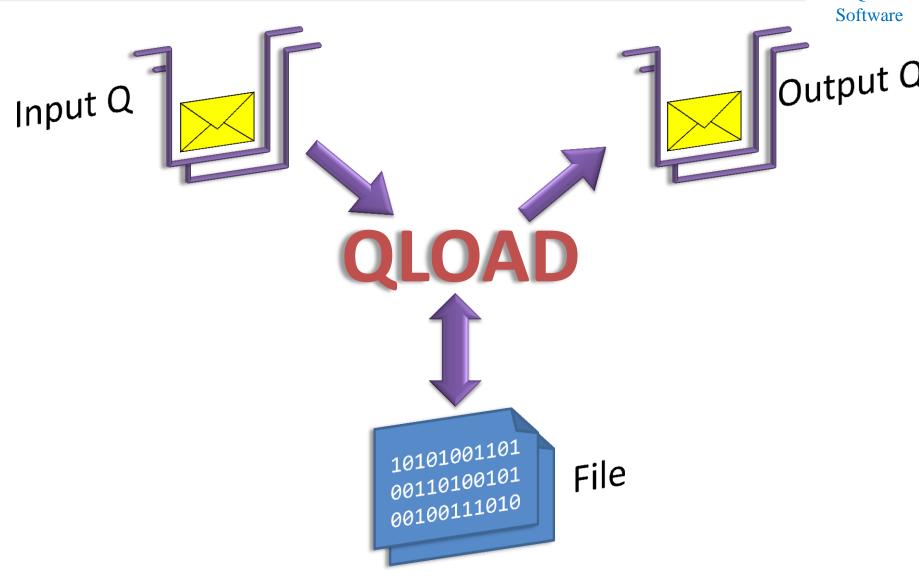
Message Directions





Multiple inputs/outputs





Many features....



- Started life as SupportPac MO03
 - was incorporated into the product as DMPMQMSG
 - greatly extended since then
- Copy or Move messages between Queue Managers
- Select by:
 - Priority, Age, Size, SQL92, Text string, Message Range, Target of DLQ or XmitQ, Message Id etc
- Strip headers, such as MQXQH and MQDLH
- Choose maximum output file based on:
 - Size, Number of Messages or Age

Require Rate Processing



Copy/Move messages between queues at a specific rate

Copy messages for specific time

```
qload -i SOURCEQ -o TARGETQ -R1000:300
```

Copy messages as fast as you can go

```
qload -i SOURCEQ -o TARGETQ -R*:*
```

Generic Unload/Load



Unload all queues to a set of files

Unload just some of the queues to a set of files

Reload all queue unload files to the appropriate queue

QLOAD Summary



 Lots of new features since MO03 and DMPMQMSG

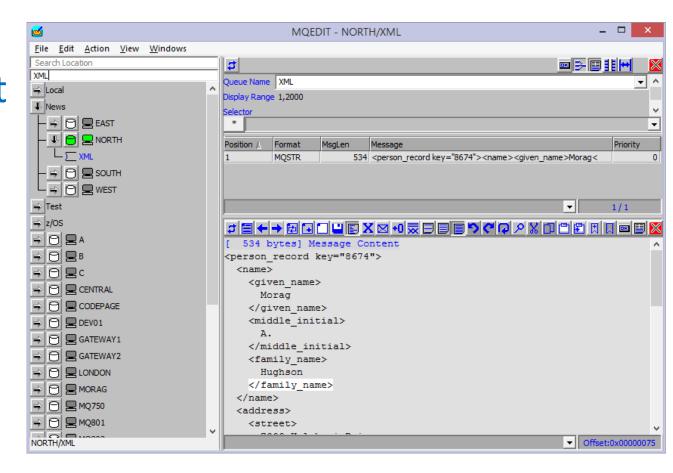
- Regularly enhanced because of customer requests
 - now at version 9.0.2

Any Questions?

MQEDIT main screen



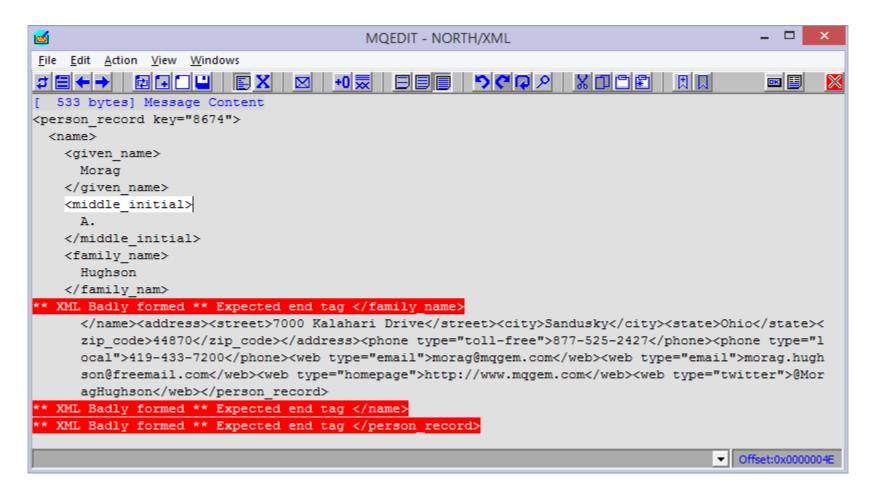
- Queue Manager List
 - Queues listed under each queue manager
- Message List
- Message edit pane



Features: 'live parsing'

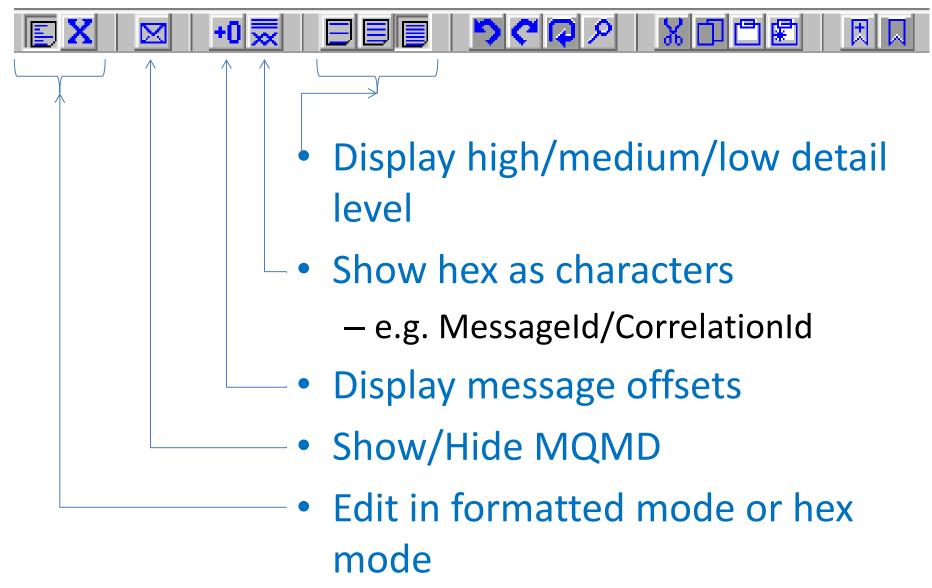


- Message is formatted 'as you type'
 - Instant feedback on data errors



Features: multiple display formats





Features: Edit in native format



- No need to convert to local codepage/encoding
 - Edit EBCDIC messages directly
 - Edit big endian integers directly
- No risk of data loss/corruption
- Make minimum changes to the message
 - Just change the bytesyou need

```
MQEDIT - NORTH/SAMPLES_EBCDIC

File Edit Action View Windows

[ 2416 bytes] String (MQCFST)

Type :4 (String)

Struc Length :68

Parameter Id :2015 (QMgr Name)

CCSID :500 (UK EBCDIC)

String Length:48

Value :'MQ900

[ 2348 bytes] String (MQCFST)

Type :4 (String)

Struc Length :28

✓ Offset:0x000000066
```

Features: Editing of structured messages



- MQEDIT understands the structure of
 - PCF Command Messages
 - Events messages
 - Transmission Queue Headers
 - Dead Letter Queue Headers
 - ... and others
- ...making editing or adding sub-structures easy

```
MQEDIT - NORTH/SAMPLES
    Edit Action View Windows
              179 bytesl Message Content
   179 bytes] Dead Letter Queue Header (MQDLH)
            : 'DLH '
            :3023 (MQMD format error.)
Reason
Dest. Queue
            :'Q1
Dest. QMgr
            :'NTPGC1
MQEncoding
            :0x'222' (Reversed)
CCSID
            :850 (DOS Latin 1)
Format
            :'MQSTR
PutApplType
            :11 (Windows NT)
PutApplName
            :'d:\nttools\q.exe
Put Time
                                               ▼ Offset:0x000000
```

XML Editing assistance



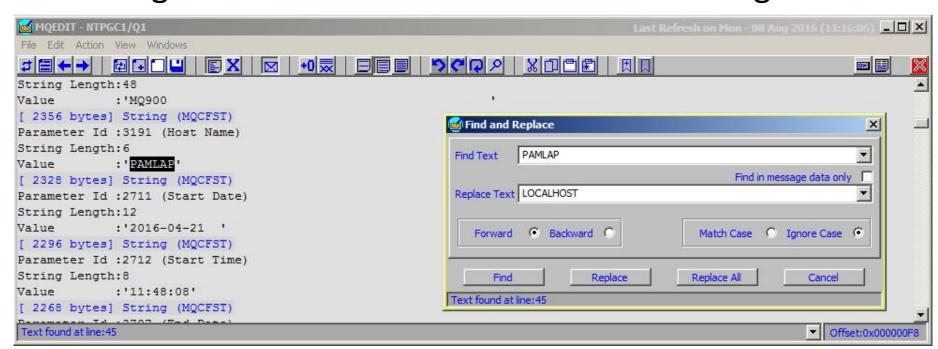
- Editing XML messages assistance includes
 - Goto partner tag
 - Selection of tag section
 - Simple add and removal of tags
 - Comment/Uncomment XML section
 - Automatic modification of partner tags

```
MQEDIT - NORTH/XML
   Edit Action View Windows
       560 bytes| Message Content
<person record key="8674">
 <name>
   <given name>
     Morag
   </given name>
   <middle initial>
   </middle initial>
   <family name>
     Hughson
   </family name>
 </name>
 <!-- Temporary address -->
 <address>
   <street>
     7000 Kalahari Drive
   </street>
   <city>
     Sandusky
   </citv>
   <state>
     Ohio
   </state>
   <zip code>
     44870
   </zip code>
 </address>
 <phone type="toll-free">
   877-525-2427
                            Offset:0x0000000A0
```

Features: Find and Replace



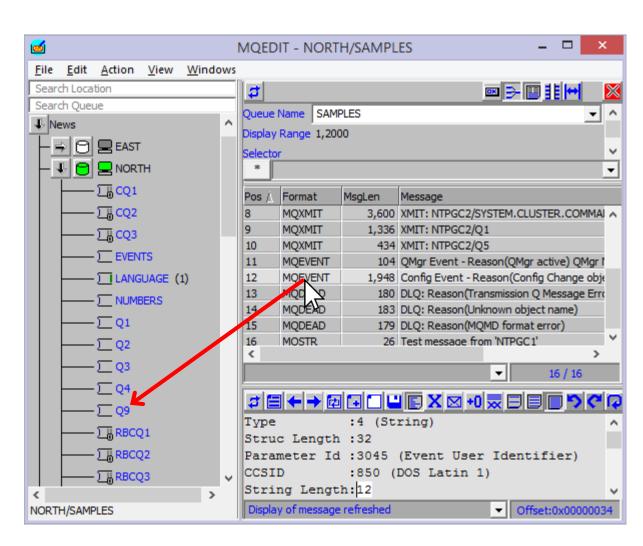
- Search for strings
- Replace just one or all instances of a string
- Replacement is done intelligently
 - Lengths remain correct in structured messages



Features: Operations



- Browse
- Edit
- Delete
- Copy & Move
 - Drag & Drop even across QMgrs!



Conclusion



- Makes editing messages on MQ a breeze
- Large range of features
 - Live Parsing
 - Edit unconverted message
 - ASCII or EBCDIC, Big or Little Endian
 - Maintains structure integrity for example PCF messages
 - Full Undo/Redo
 - Find Edit and Replace
 - User Message Formats
 - Formatters for XML, MQ Formats, JSON, FIX, Edifact, CSV, OFS
- Free trial licence available on request
 - Give it a try and let us know what you think

Thank-you

Any Questions?

If you would like try either (or both) product(s) yourself then please just send an email to support@mqgem.com and a free, no-obligation one-month licence will be sent to you for your evaluation.



www.mqgem.com

support@mqgem.com