Bob Boisvert, Ottawa

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presented at the

QualiWare North America User Conference

Bob Boisvert

- Consultant working with CloseReach
- Involved with QualiWare since 2011
- Instructor, Developer, Process Architect
- QW work for: DND, QualiWare, Alcatel Lucent, Bossard, CBSA

"Yes we can!"

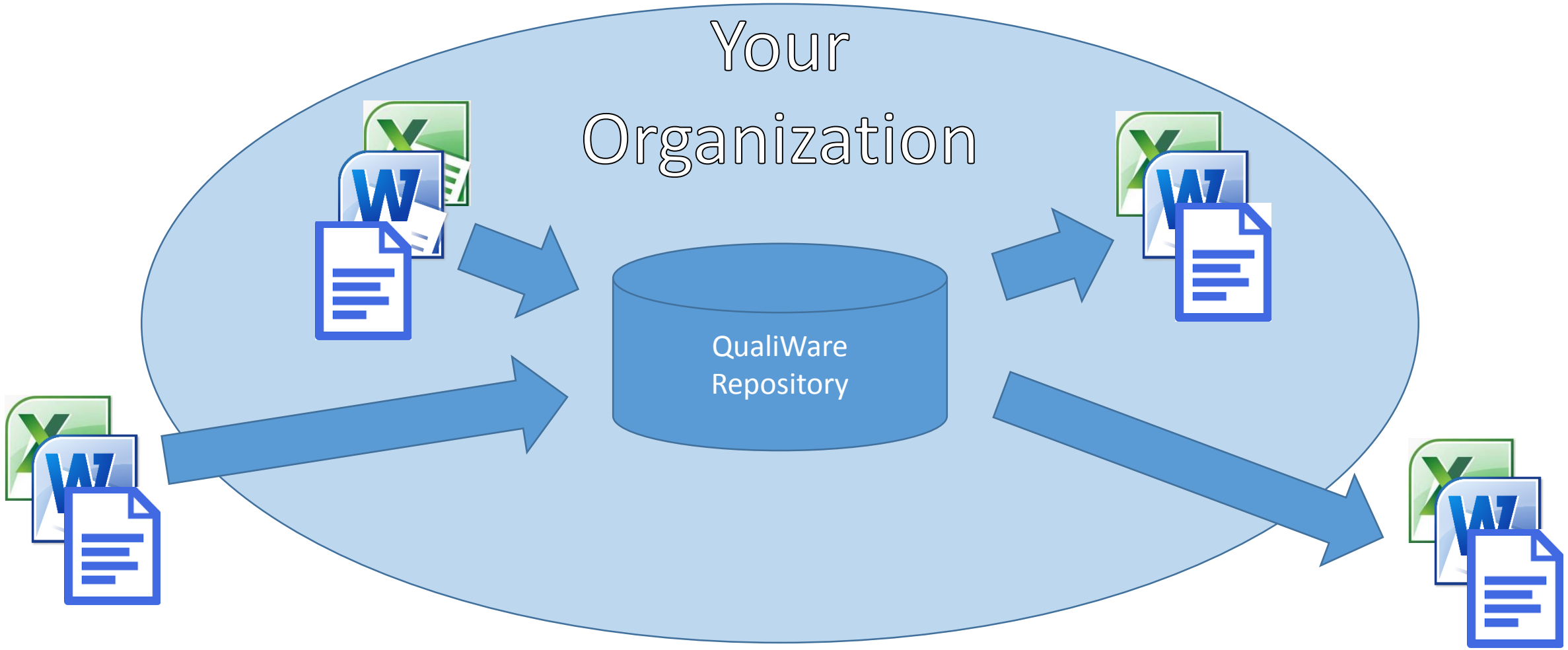
Agenda:

- Architecture Data Transformation

- Qualiware Key-macros

Architecture Data Transformation

Transforming Architecture Data

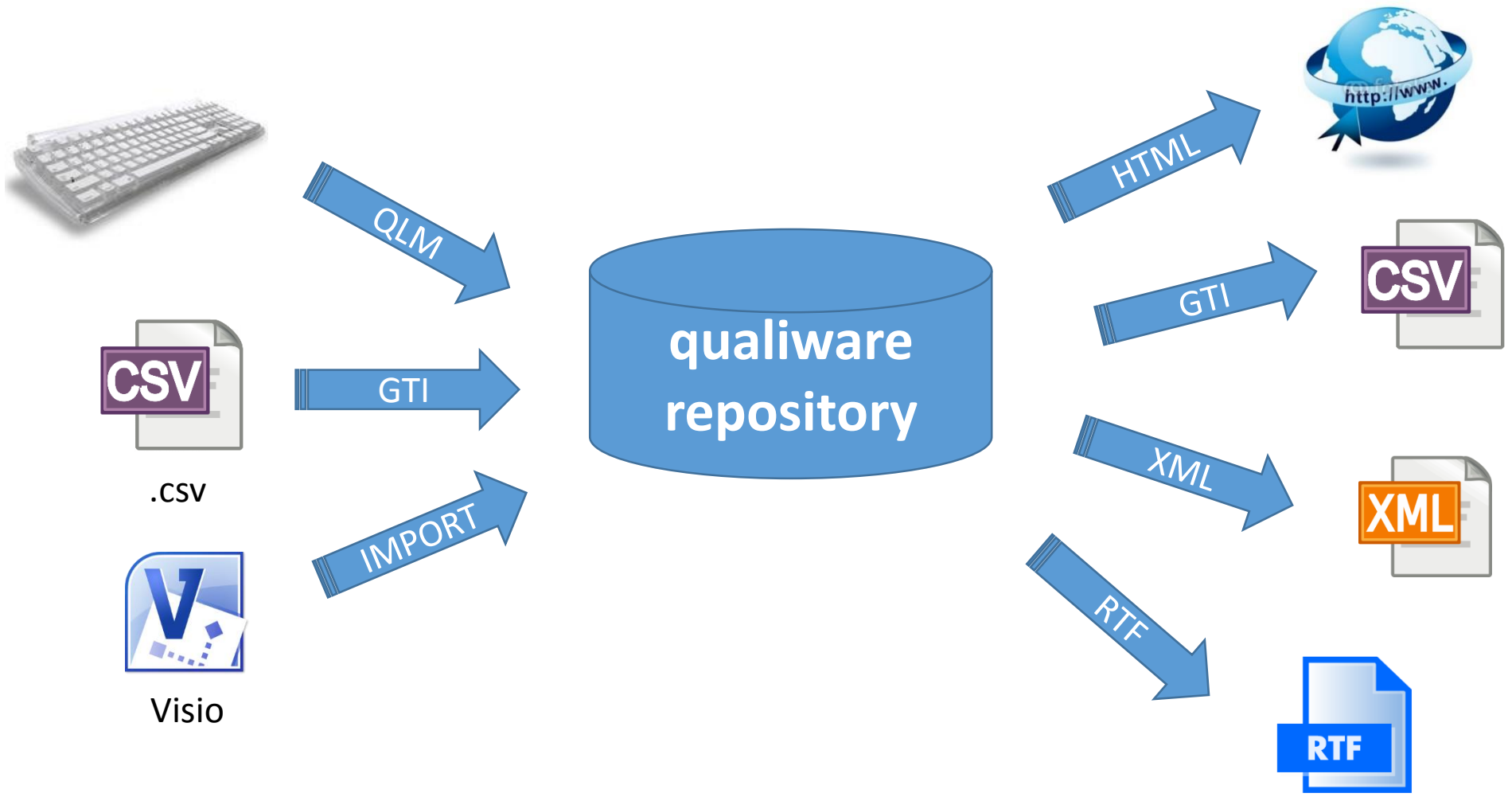


Exploration:

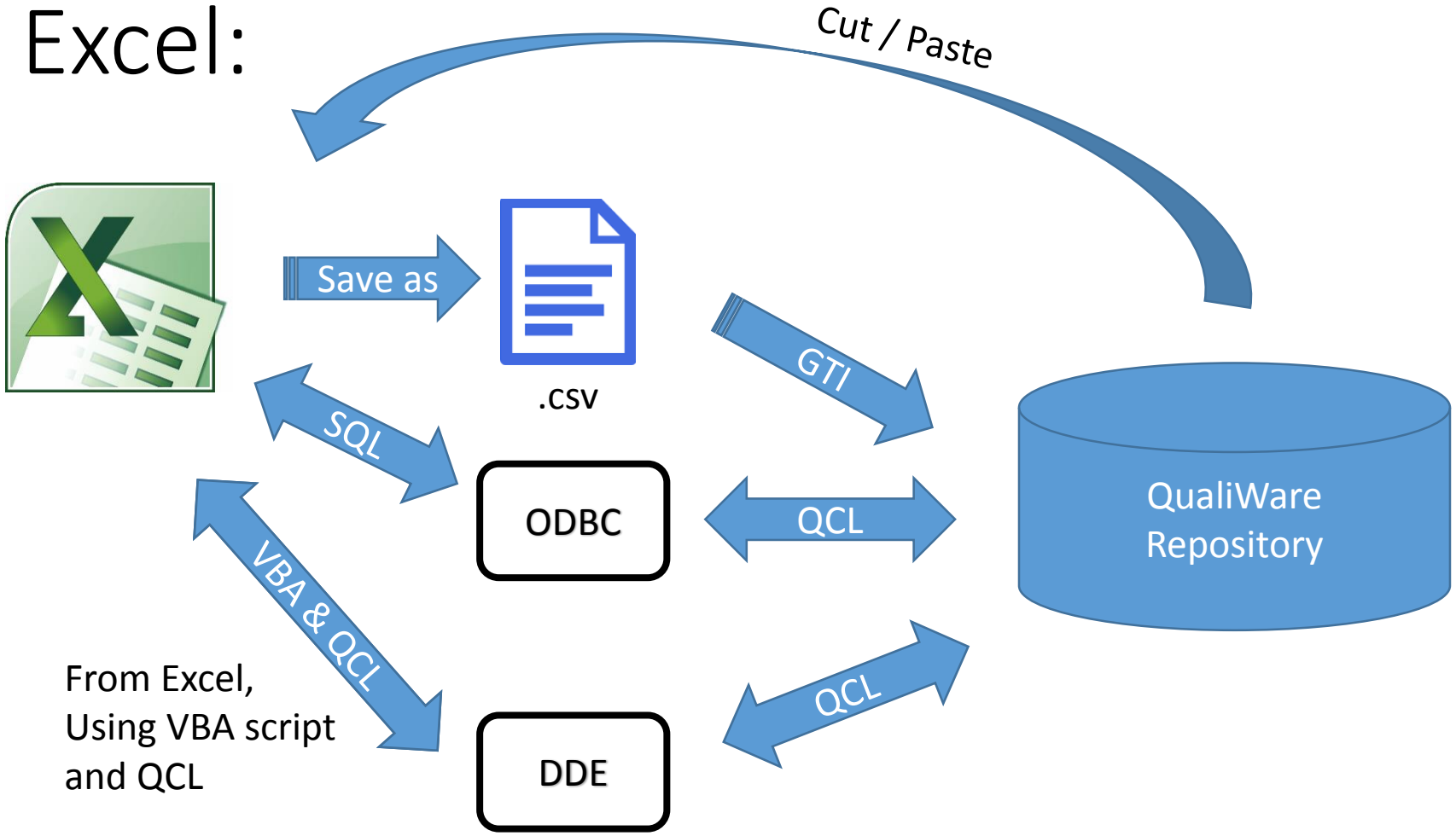
What follows is simply an attempt to uncover ways to do data transformation with QW

- Input into QualiWare
- Output from QualiWare
- Interaction with other software

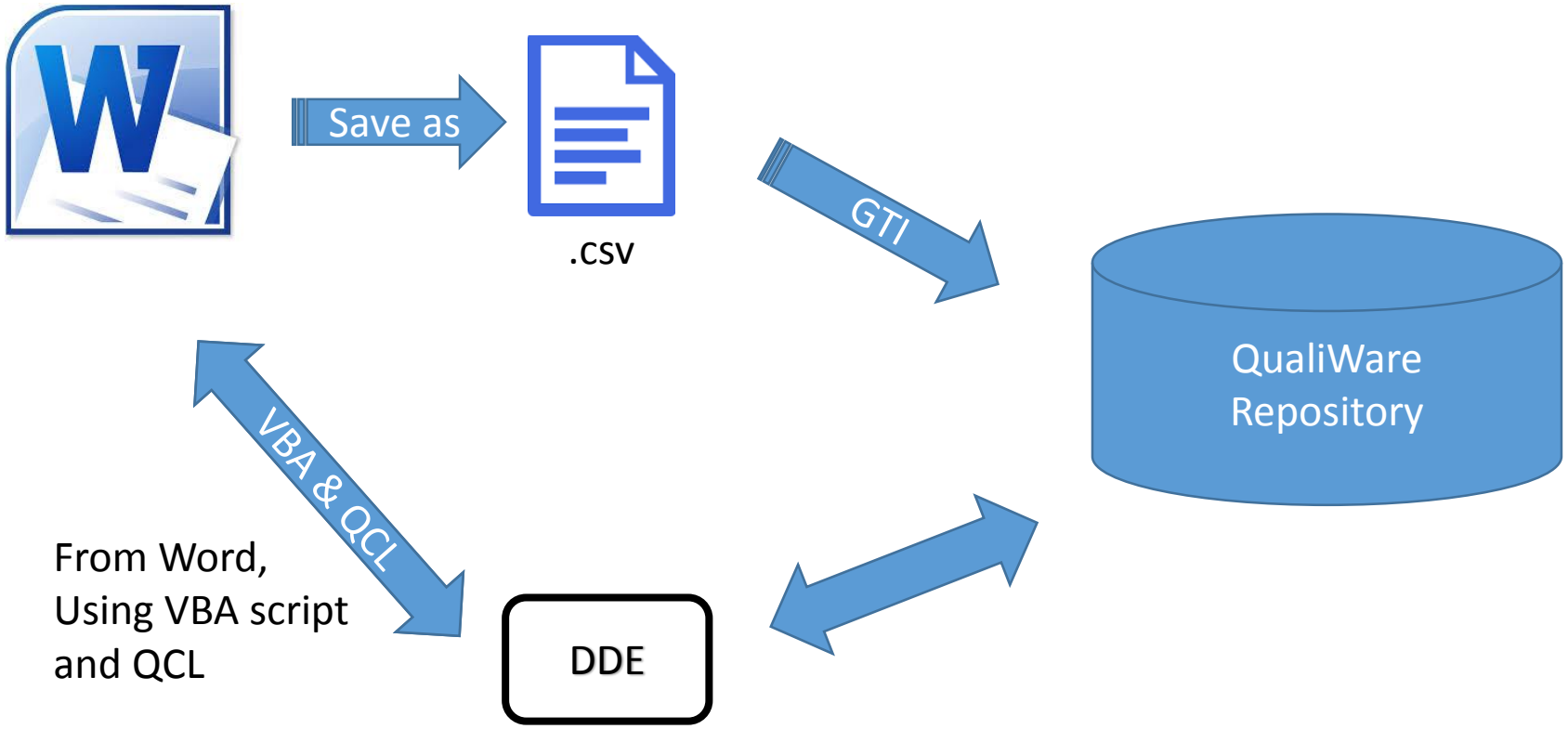
QLM out of the box, at first glance:



MS Excel:


Cut / Paste
Save as
.csv
GTI
SQL
ODBC
QCL
QualiWare
Repository
VBA & QCL
From Excel,
Using VBA script
and QCL
DDE
QCL
From QLM,
using QCL script…

MS Word ?


Save as
.csv
GTI
QualiWare
Repository
VBA & QCL
From Word,
Using VBA script
and QCL
DDE

Practical case:

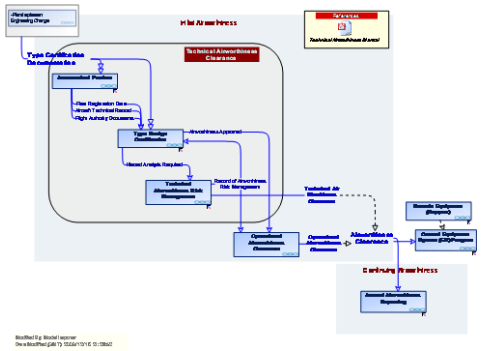
- DND has ~1,000 diagrams developed in MEGA
- Small team took eight years to develop
- Did not want to lose all that work!

Example: MEGA To QualiWare

x,y coordinates
symbols
connectors

VBA

QCL



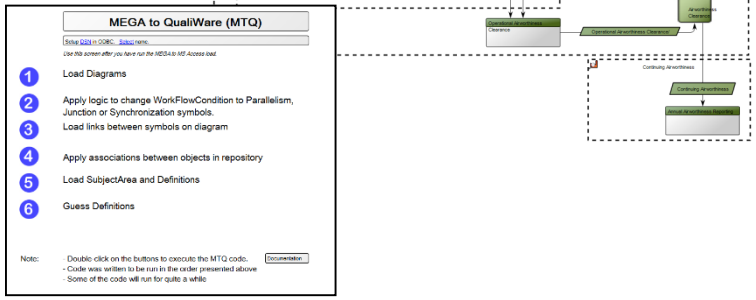
Models

VBA

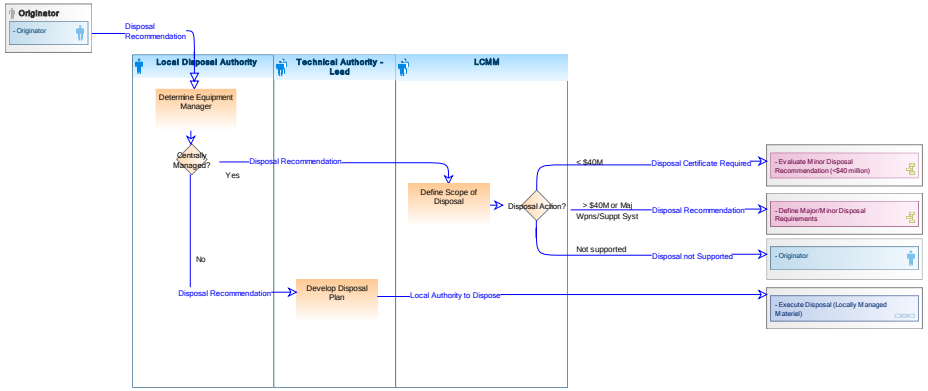
x,y coordinates
symbols
connectors
… and links

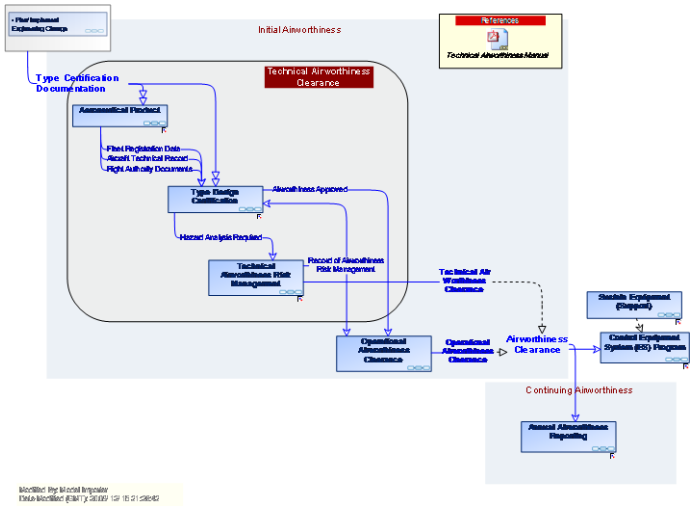
QCL

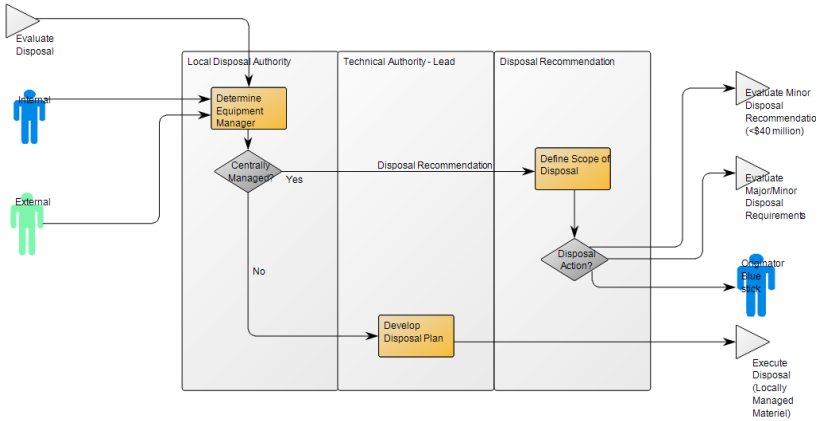
QualiWare Repository

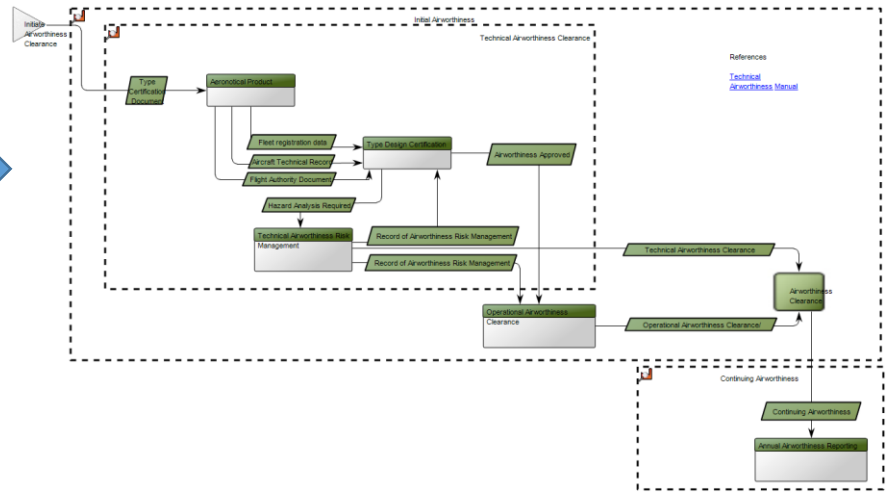


MEGA to QualiWare





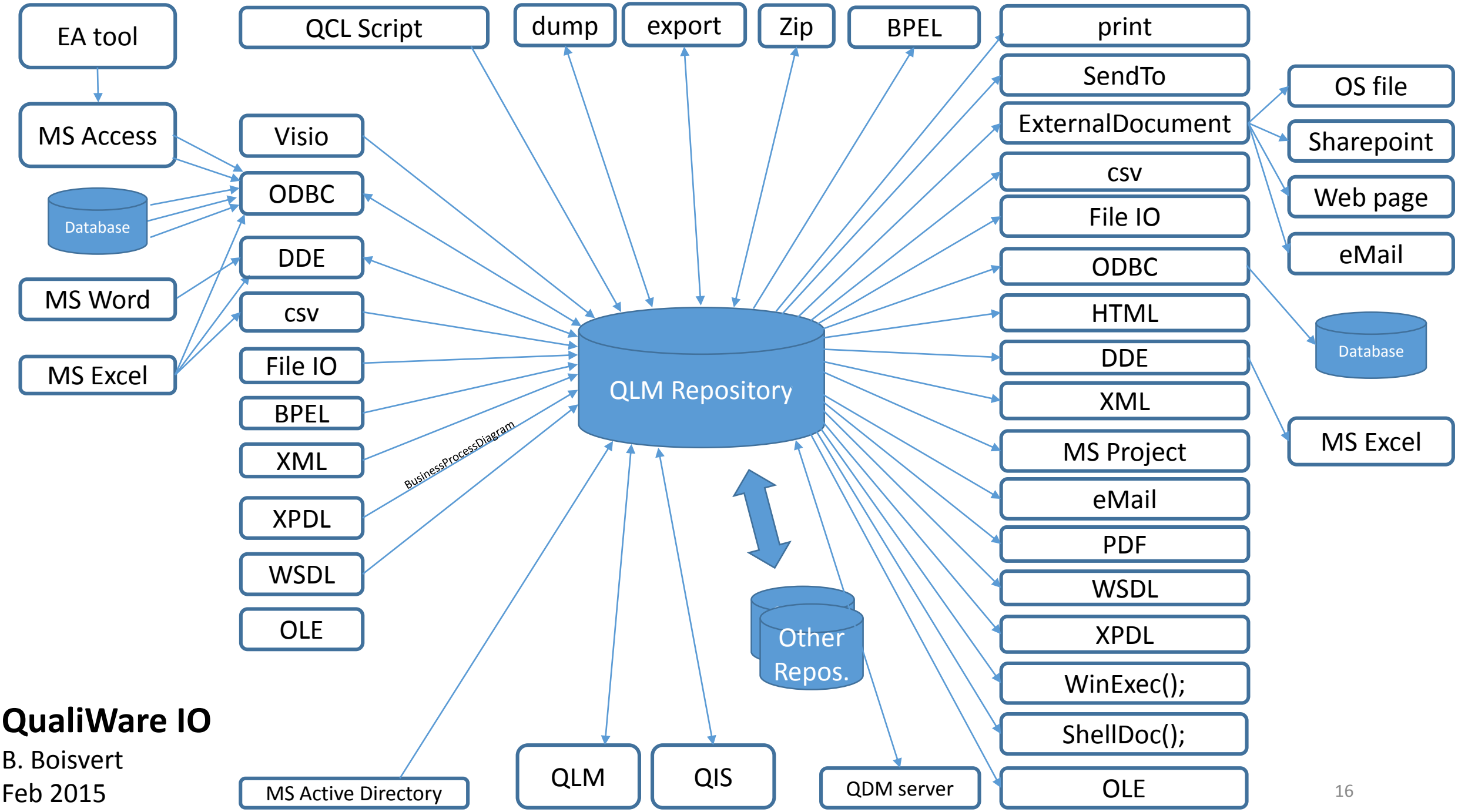




Also investigated:

- Tool menus
- Help system
- QLM QCL code

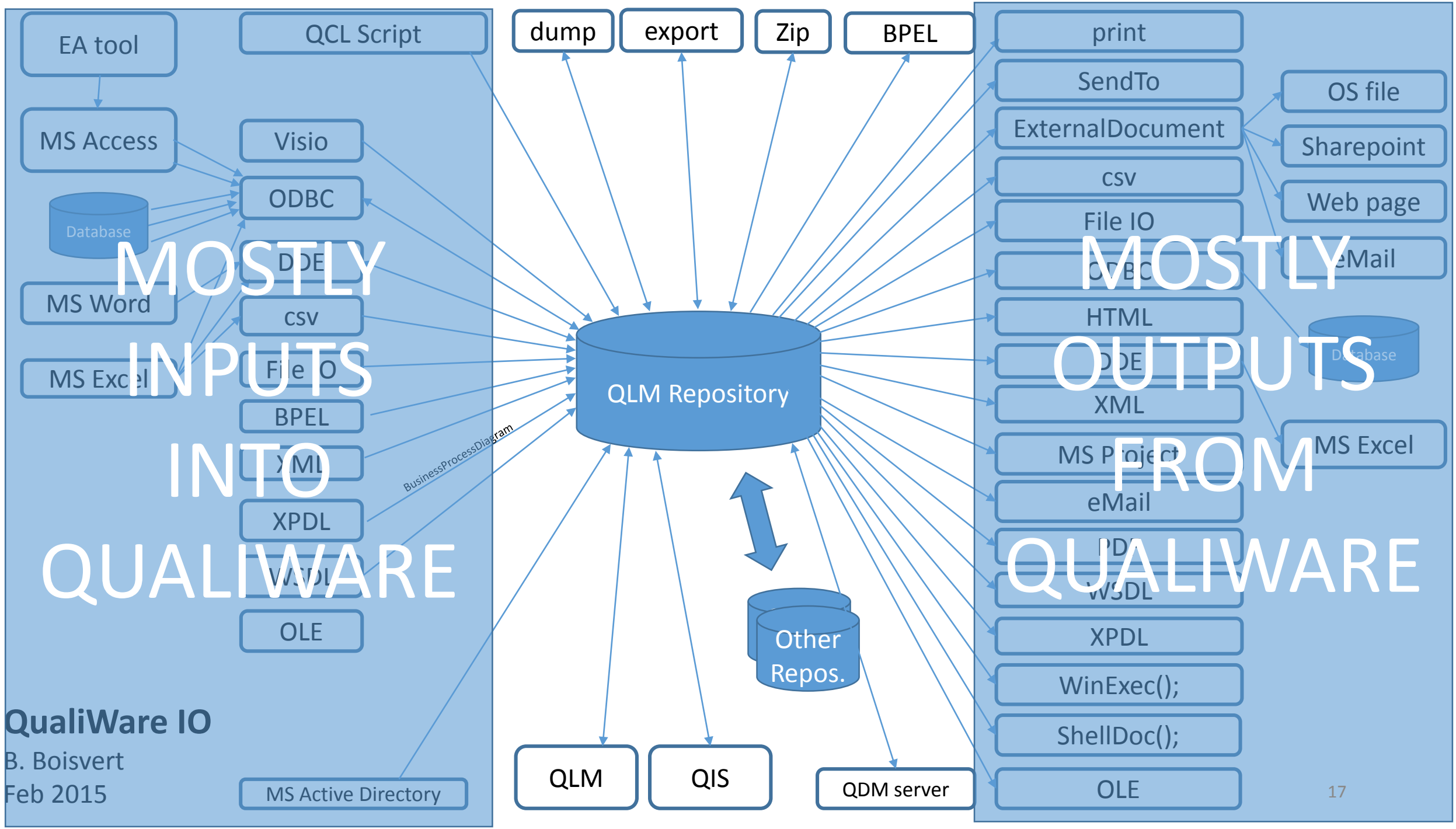
  C:\ drive, or network drive



QualiWare IO

B. Boisvert

Feb 2015


EA tool
QCL Script
MS Access
Visio
ODBC
Database
DDE
MS Word
csv
File IO
MS Excel
BPEL
XML
BusinessProcessDiagram
XPDL
WSDL
OLE
MS Active Directory
MOSTLY INPUTS INTO QUALIWARE
dump
export
Zip
BPEL
QLM Repository
Other Repos.
QLM
QIS
QDM server
print
SendTo
ExternalDocument
csv
File IO
ODBC
HTML
DDE
XML
MS Project
eMail
DDL
WSDL
XPDL
WinExec();
ShellDoc();
OLE
OS file
Sharepoint
Web page
eMail
Database
MS Excel
MOSTLY OUTPUTS FROM QUALIWARE
QualiWare IO
B. Boisvert
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Features of previous diagram:

- Some are QLM features in the GUI
- Others require scripting (QCL, …)
- Probably more possibilities

And more…

- Oracle
- SQL Server
- DB2
- WebDAV
- …

What next:

- Identify your IO needs
- Check Help system
- Discuss with QW specialists
- QCL ?

QLM Key Macros

Key Macros in QLM

- QLM is feature-rich
- Lots of shortcut keys to do things
- Context sensitive:
  - Diagram e.g. Ctrl+L – re-use
  - Text e.g. Ctrl+L - Hyperlink
  - Matrix
  - Dialog
  - Repository Explorer

GENERAL	
Close QLM session	Alt F4
Copy	Ctrl C
Cut	Ctrl X
Drag and Drop	Alt click drag
Help	F1
HTML generate	Ctrl H
Interrupt	Escape
Paste	Ctrl V
Print	Ctrl P
Redo	Ctrl Y
Select All	Ctrl A
Spell check	F6
Spell check language	Shift F6
Undo	Ctrl Z
DIAGRAM EDITOR	
Add/remove space in diagram	Ctrl Shift drag ← ↑ → ↓
Align selected objects	J
Align symbol size	S
Attributes of selected symbol	L
Delete symbol from diagram	Delete
Show selected symbols	Shift D
Export	Ctrl E
Find symbol current diagram	Ctrl F
Grid – show	Ctrl G
Object Editor open	Enter or B
Move selection	← ↑ → ↓ (Shift to move faster)
Recently opened diagram list	Shift B
Refresh screen	F5
Rename object	F2
Reuse object	Ctrl L
Select multiple symbols	Shift (hold & choose)
Select multiple symbols	CTRL (hold & choose)
Straighten connectors	Space
User information	Shift W
Zoom 100% print size	1
Zoom to see all objects	Shift Z
Zoom in	Ctrl Scroll mouse up

DIAGRAM EDITOR (continued)	
Zoom in	Shift .
Zoom out	Shift ,
Zoom selective	Z
TEXT EDITOR	
Bold	Ctrl B
Drawing insert	Ctrl D
Find text	Ctrl F
Find next	F3
Hyperlink insert	Ctrl L
Italic	Ctrl I
Normal font	Ctrl N
Table insert	Ctrl T
Text editor Open/Close	F8
Underline	Ctrl U
REPOSITORY EXPLORER	
Delete object(s) from Repository	Delete
Rename object	F2
Save Repository	Ctrl S
QualiWare Command Language	
Help QCL command syntax	F1
Multiple command line	Alt F5
Multiple command line, Run, Check, ...	Shift F5
Single command line	Ctrl F5
REVISIONS & LANGUAGE	
Previous revision	Alt 1
List revisions	Alt 2
Next revision	Alt 3
Default revision select	Alt 4
Language variant list	Alt 5
CUSTOM	
Your Key-Macros here. Contact your QLM specialist for assistance.	

Ideas for new key macros:

- change line colour
- change connector style (orthogonal, any angle)
- Create a specialized matrix from diagram content
- Add notes to a diagram, Post-It style
- …
- Any repetitive set of actions

Thank you - Merci - Tak

References

BPEL http://en.wikipedia.org/wiki/Business_Process_Execution_Language

DDE http://en.wikipedia.org/wiki/Dynamic_Data_Exchange

ODBC http://en.wikipedia.org/wiki/Open_Database_Connectivity

OLE http://en.wikipedia.org/wiki/Object_Linking_and_Embedding

WSDL http://en.wikipedia.org/wiki/Web_Services_Description_Language

XML http://en.wikipedia.org/wiki/XML

XPDL http://en.wikipedia.org/wiki/XPDL