MQ Architect

"Productivity tool for IBM MQ"

Draw Diagrams

Generate Scripts

Verify
Deploy Changes and
Roll-back (if needed!)

Skill coaching from experts to the novices within a team becomes a much more practical reality, allowing novices the capability to clearly follow the development process.

Michael Dag
Author of MQArchitect

Architect

MQ Systems

Admiralengracht 125A
1057 ET Amsterdam
The Netherlands

☎ +31 (0) 640132324

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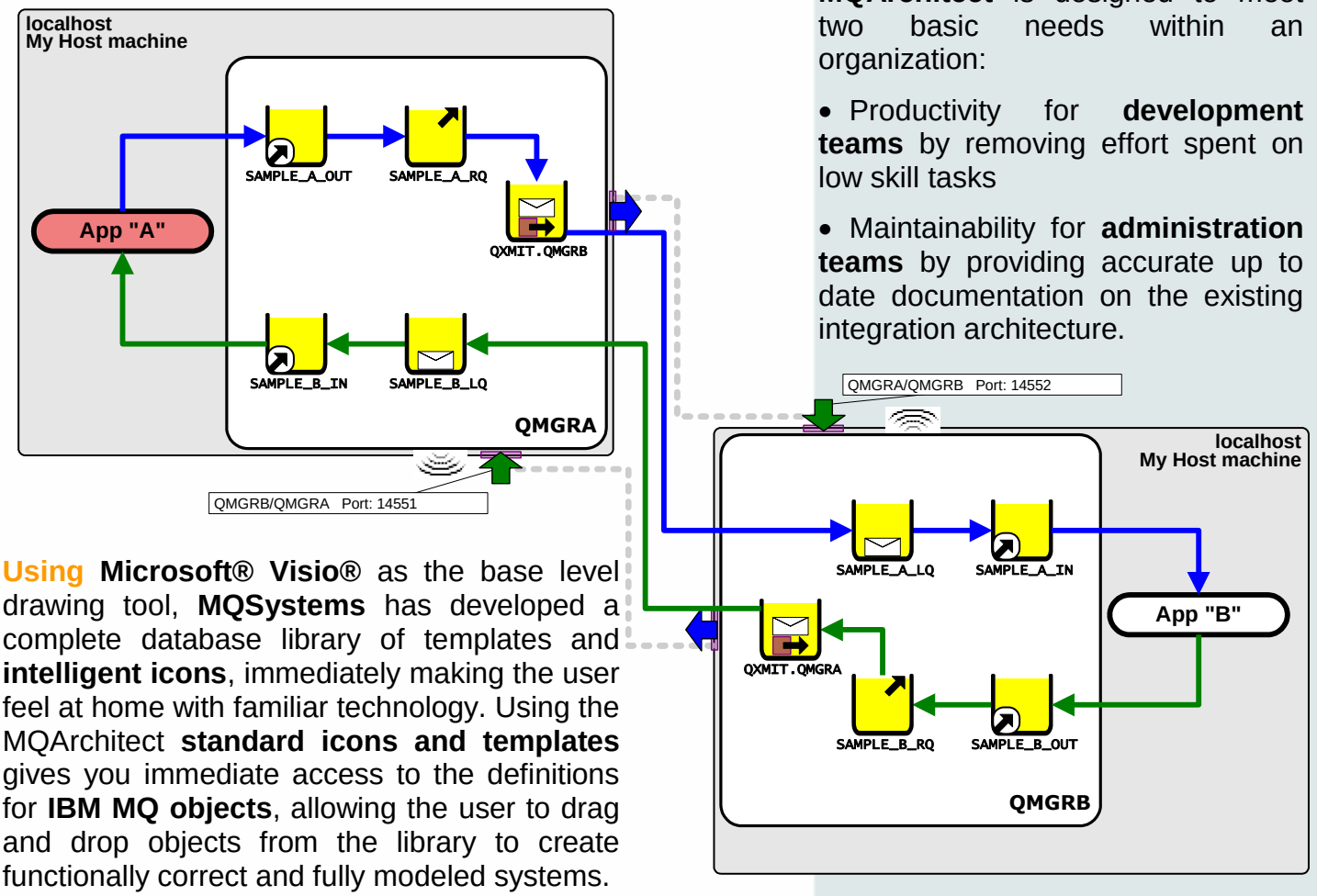
Developed to improve quality and teamwork for integration project teams, **MQArchitect** allows remote access for real time project information. Users now have the capability to define, understand and communicate their architecture using the simple medium of electronic diagrams.



MQArchitect is designed to meet two basic needs within an organization:

- Productivity for **development teams** by removing effort spent on low skill tasks
- Maintainability for **administration teams** by providing accurate up to date documentation on the existing integration architecture.

Using **Microsoft® Visio®** as the base level drawing tool, **MQSystems** has developed a complete database library of templates and **intelligent icons**, immediately making the user feel at home with familiar technology. Using the MQArchitect **standard icons and templates** gives you immediate access to the definitions for **IBM MQ objects**, allowing the user to drag and drop objects from the library to create functionally correct and fully modeled systems.

Components

XML/MQSC Generator provides an invaluable asset to the team's work by reducing time and improving quality associated with manual typing MQSC scripts.

Implementation StreamLiner provides verification and reporting to respectively assess the impact of a change before implementation and to verify results after implementation and generate subsequent rollback definitions to back out any change that was implemented (if needed!).

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What are MQArchitect's **functions?**

- Draw diagrammatic representation of your IBM MQ configuration quickly
- Automatically generate IBM MQ definitions from drawings
- Automatically implement generated definitions and generate subsequent rollback definitions.
- Documentation by drawings and links to definitions.
- Import and reverse engineer
-

How does MQArchitect improve **quality?**

- A picture says more than a thousand words
- Easier to unite teams with multi-layered access
- Automatically generated XML/MQSC definitions remove the issues caused by typing errors
- Provides verification and implementation reports that can be used to:
  - assess the impact of a change before implementation
  - verify or roll-back a change after implementation

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Interested? e-mail:

mqarchitect@mqsystems.com

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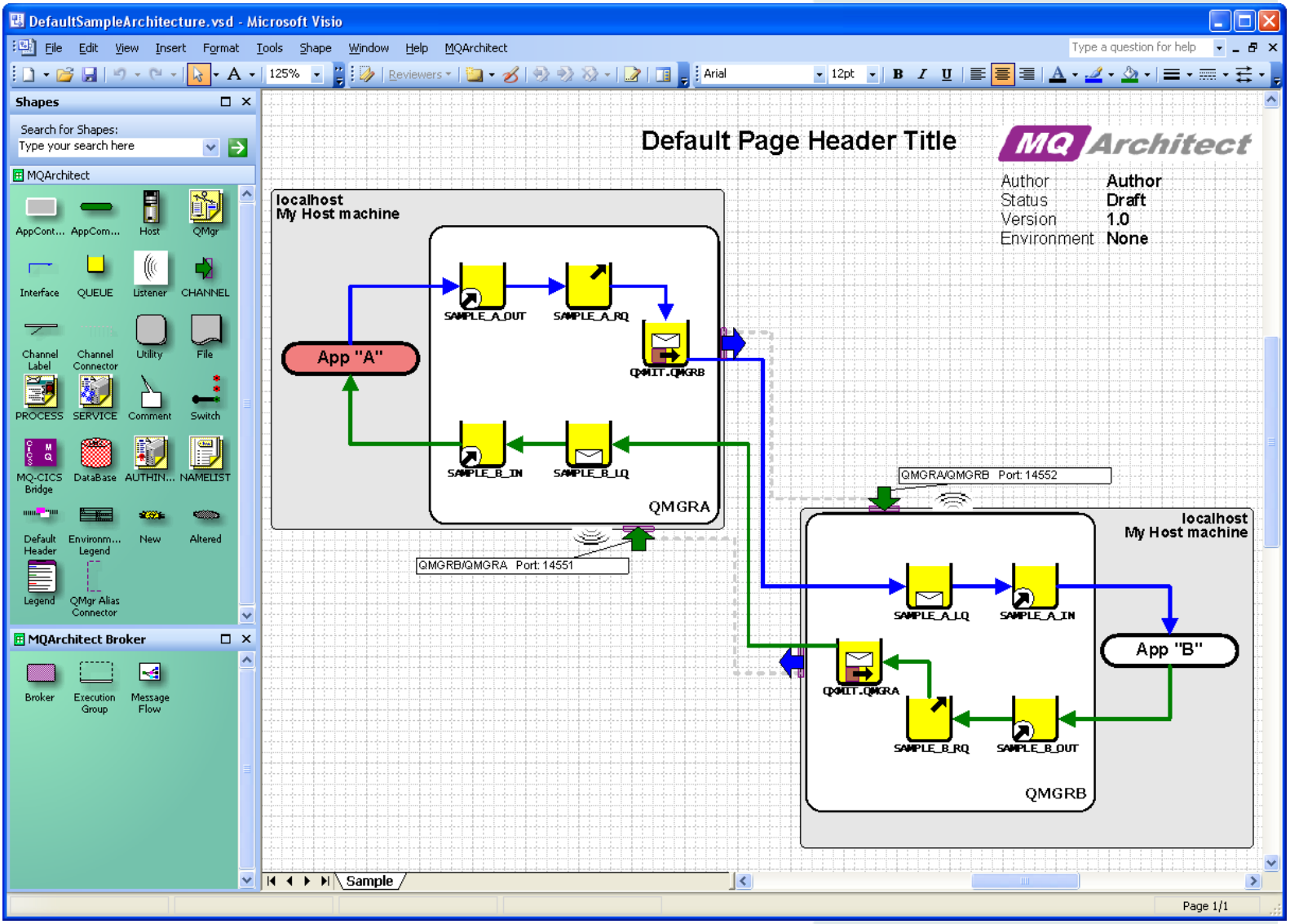

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Command Prompt

```
C:\MQSystems\mqarchitect>java xvermqsc -c QMGRA.snapshot.xml -i change-r001.xml

MQArchitect XML/MQSC Change Impact Analyser 2.0.0
Program license:
-Contractor Pro Edition- Michael Dag


QMgr: QMGRB from change-r001.xml    not included in QMGRA.snapshot.xml

Ready to perform change impact analysis for QMgr:  QMGRA

configuration changes in: change-r001.xml

will Add      QLOCAL   QXMIT.QMGRB on QMGRA
will Add      QALIAS   SAMPLE_A_OUT on QMGRA
will Add      QREMOTE  SAMPLE_A_RQ on QMGRA
will Add      QALIAS   SAMPLE_B_IN on QMGRA
will Add      SDR      QMGRA/QMGRB on QMGRA
will Add      RCVR     QMGRB/QMGRA on QMGRA
will Change   QMGR      on QMGRA
               DESCR    will change from   to My QMGRA on myhost...

C:\MQSystems\mqarchitect>java xvermqsc -c QMGRB.snapshot.xml -i change-r001.xml

MQArchitect XML/MQSC Change Impact Analyser 2.0.0
Program license:
-Contractor Pro Edition- Michael Dag


QMgr: QMGRA from change-r001.xml    not included in QMGRB.snapshot.xml

Ready to perform change impact analysis for QMgr:  QMGRB

configuration changes in: change-r001.xml

will Add      QLOCAL   QXMIT.QMGRA on QMGRB
will Add      QALIAS   SAMPLE_B_OUT on QMGRB
will Add      QREMOTE  SAMPLE_B_RQ on QMGRB
will Add      SDR      QMGRB/QMGRA on QMGRB
will Add      RCVR     QMGRA/QMGRB on QMGRB
will Change   QLOCAL   SAMPLE_A_LQ on QMGRB
               MAXDEPTH will change from 5000 to 15000
will Change   QALIAS   SAMPLE_A_IN on QMGRB
               PUT      will change from ENABLED to DISABLED

C:\MQSystems\mqarchitect>_
```

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Command Prompt

```
C:\MQSystems\mqarchitect>java xrunmqsc -i change-r001.xml -m ALL

MQArchitect Implementation StreamLiner 2.0.0
Program license:
-Contractor Pro Edition- Michael Dag

Processing Qmgr QMGRA


Detected MQVersion   700 ...

Processed XML/MQSC item    1 of   15 OK       QMGR
Processed XML/MQSC item    2 of   15 OK       QLOCAL    QXMIT.QMGRB
Processed XML/MQSC item    3 of   15 OK       QALIAS    SAMPLE_A_OUT
Processed XML/MQSC item    4 of   15 OK       QREMOTE   SAMPLE_A_RQ
Processed XML/MQSC item    5 of   15 OK       QLOCAL    SAMPLE_B_LQ
Processed XML/MQSC item    6 of   15 OK       QALIAS    SAMPLE_B_IN
Processed XML/MQSC item    7 of   15 OK       SDR       QMGRA/QMGRB
Processed XML/MQSC item    8 of   15 OK NUP   RCVR      QMGRB/QMGRA

no QMgr ACL/Security  input in XML/ACL  File: change-r001.xml
Results written to    change-r001.QMGRA.RESULTS.XML
Backout written to    change-r001.QMGRA.BACKOUT.XML

Processing Qmgr QMGRB

Processed XML/MQSC item    9 of   15 OK       QLOCAL    QXMIT.QMGRA
Processed XML/MQSC item   10 of   15 OK       QLOCAL    SAMPLE_A_LQ
Processed XML/MQSC item   11 of   15 OK       QALIAS    SAMPLE_A_IN
Processed XML/MQSC item   12 of   15 OK       QALIAS    SAMPLE_B_OUT
Processed XML/MQSC item   13 of   15 OK       QREMOTE   SAMPLE_B_RQ
Processed XML/MQSC item   14 of   15 OK       SDR       QMGRB/QMGRA
Processed XML/MQSC item   15 of   15 OK NUP   RCVR      QMGRA/QMGRB

no QMgr ACL/Security  input in XML/ACL  File: change-r001.xml
Results written to    change-r001.QMGRB.RESULTS.XML
Backout written to    change-r001.QMGRB.BACKOUT.XML


C:\MQSystems\mqarchitect>_
```

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Command Prompt

```
C:\MQSystems\mqarchitect>java xgenmqsc -c QMGRA.snapshot.xml -i change-r001.xml
**
** MQArchitect MQSC Generator 2.0.0
** Program license:
** -Contractor Pro Edition- Michael Dag
**
**
** QMgr: QMGRB from change-r001.xml    not included in QMGRA.snapshot.xml
** generated by xgenmqsc 2.0.0 on Wed Jan 19 15:10:47 CET 2011 by Michael
**
** Ready to generate MQSC definitions for QMgr:  QMGRA
**
** MQSC definitions in: change-r001.xml
**
DEFINE QLOCAL('QXMIT.QMGRB') +
       USAGE(XMITQ) +
       TRIGDATA('QMGRA/QMGRB') +
       INITQ('SYSTEM.CHANNEL.INITQ') +
       TRIGGER

DEFINE QALIAS('SAMPLE_A_OUT') +
       TARGQ('SAMPLE_A_RQ')

DEFINE QREMOTE('SAMPLE_A_RQ') +
       XMITQ('QXMIT.QMGRB') +
       RNAME('SAMPLE_A_LQ') +
       RQMNAME('QMGRB')

DEFINE QALIAS('SAMPLE_B_IN') +
       TARGQ('SAMPLE_B_LQ')

DEFINE CHANNEL('QMGRA/QMGRB') CHLTYPE(SDR) +
       TRPTYPE(TCP) +
       XMITQ('QXMIT.QMGRB') +
       CONNAME('yourhost(14552)')

DEFINE CHANNEL('QMGRB/QMGRA') CHLTYPE(RCVR) +
       TRPTYPE(TCP)

ALTER  QMGR +
       DESCR('My QMGRA on myhost...')


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```

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**
** MQArchitect MQSC Generator 2.0.0
** Program license:
** -Contractor Pro Edition- Michael Dag
**
**
** QMgr: QMGRA from change-r001.xml    not included in QMGRB.snapshot.xml
** generated by xgenmqsc 2.0.0 on Wed Jan 19 15:11:26 CET 2011 by Michael
**
** Ready to generate MQSC definitions for QMgr:  QMGRB
**
** MQSC definitions in: change-r001.xml
**
DEFINE QLOCAL('QXMIT.QMGRA') +
       USAGE(XMITQ) +
       TRIGDATA('QMGRB/QMGRA') +
       INITQ('SYSTEM.CHANNEL.INITQ') +
       TRIGGER

DEFINE QALIAS('SAMPLE_B_OUT') +
       TARGQ('SAMPLE_B_RQ')

DEFINE QREMOTE('SAMPLE_B_RQ') +
       XMITQ('QXMIT.QMGRA') +
       RNAME('SAMPLE_B_LQ') +
       RQMNAME('QMGRA')

DEFINE CHANNEL('QMGRB/QMGRA') CHLTYPE(SDR) +
       TRPTYPE(TCP) +
       XMITQ('QXMIT.QMGRA') +
       CONNAME('myhost(14551)')

DEFINE CHANNEL('QMGRA/QMGRB') CHLTYPE(RCVR) +
       TRPTYPE(TCP)

ALTER  QLOCAL('SAMPLE_A_LQ') +
       MAXDEPTH(15000)

ALTER  QALIAS('SAMPLE_A_IN') +
       PUT(DISABLED)


C:\MQSystems\mqarchitect>_
```

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