

Upgrading to Gateway v6

Paths and practical considerations

Gaizka Llona

Lab Services

IBM Watson Supply Chain



B2B & MFT User Groups

9:00AM – 3:150 PM (Lunch included)

IBM Office 71 S Wacker St



9/12 in Atlanta ibm.biz/B2BMFTAtlanta

9/26 in Chicago ibm.biz/B2BMFTChicago

Agenda will include*

- B2B & MFT Roadmap
- Introduction to online user community
- Client panel
- Networking lunch
- Demos
 - Tips & Tricks for upgrading to B2B Integrator and File Gateway v6
 - Hands-on lab for Automated Partner Management
 - MFT user experience enhancements

*Agenda still in development and will be updated



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Agenda



- 1 Assessing your options**
- 2 Traditional path**
- 3 Going to Docker**
- 4 GM and APIs - considerations**

Poll 1



- What version of are you currently on?
 - 5.2.5 or below
 - 5.2.6.x
 - 6.0.x

Version 6.0 Notable Enhancements



Docker Support

Cut installation and maintenance time by up to 60%

Dynamic Node Scaling

Rapidly add new nodes to cluster

Customizations using UI and REST API

Configure customer_overrides through UI

myFileGateway 2.0

Brand new UI, Drag and Drop files to mailbox

Amazon S3 Storage Adapter

{REST} API Client

Interact with RestAPIs

JSON – XML Transformation Service

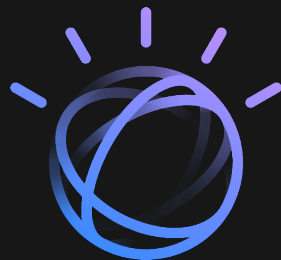
SFTP Client Support for ASCII

TLS Support for MSSQL & Oracle

{REST} API's

Stack Updates

Java 8, Jetty 9, Maverick 1.7



Assessing your options



- Timeline, timeline, timeline. End of service for v5.2.5 and below is Sep 30th 2019.
- IBM's intent is to announce 5.2.6 end of service in 2H 2019. Customers will be given at least 12 -18 months to prepare
- Consider your deployment-specific usage. This will guide you towards in place or fresh new install.
- Define scope: Take advantage of hardware and technology stack upgrades, private/public cloud and new features and functions
- Build your roadmap. Sequential steps to get you to your destination

Traditional path



- IBM Installation Manager (IIM) – introduced with 5.2.6
- v6.0 supports Linux, Unix and Windows. Support for Solaris, HP-UX and iSeries deprecated in v6.0
- In place upgrade:
 - Keep your existing file system – much like a patch
 - For stack updates such as moving from RedHat 6 to RedHat 7. Install B2Bi fresh on a newly provisioned application server, and choose option in IIM to upgrade the database, thus persevering your transactional and non-transactional data
 - Fresh Install with Migration
 - Install as new, export resources from legacy, import and adjust in 6.0.2. Advantage here is the database is clean (no orphaned data migrated to v6.0)

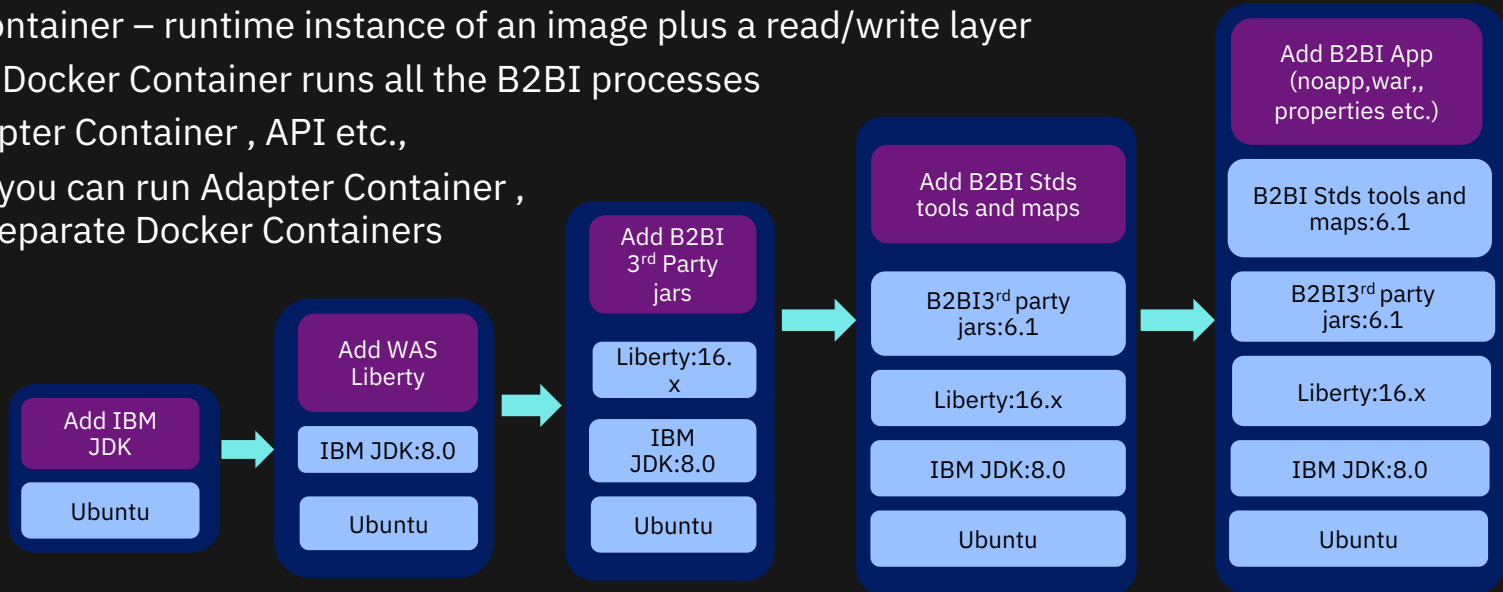
Poll 2



- Where's your organization on the journey to hybrid cloud?
 - We're all in. We're ready to move to containers with B2Bi/SFG
 - We're familiar with it, but we're not started or at very early stages
 - DevOps? What is that?

B2Bi Docker Image

- B2Bi Docker image consists of the following layered file system:
 - Ubuntu as base image (this will shift to Red Hat in the near future)
 - IBM JRE
 - IBM WebSphere Liberty
 - B2Bi jars, noapp, etc.,
- B2Bi Docker Container – runtime instance of an image plus a read/write layer
 - Each B2Bi Docker Container runs all the B2Bi processes i.e ASI, Adapter Container , API etc.,
 - Optionally you can run Adapter Container , APIs into separate Docker Containers



Going to Docker



- **Docker-based management**
 - v6.0 features a Linux x86_64-based container image
 - Database remains as-is and must be external to the container
 - Cluster deployments still require a shared DB and shared file system
- **Upgrade:**
 - Download v6.0 image from Passport Advantage. Application including the operating system, system libraries and all dependencies (Java, Liberty, etc) are preconfigured. Configure setup.cfg to denote an upgrade. This will upgrade the 5.2 schema to v6.0. Since both transaction and non-transactional data (TP setup, maps, envelopes, bps etc) are stored in the DB. Choosing this option will eliminate the need for export and import.
- **Fresh Install:**
 - Install as new, export resources from legacy, Import and adjust in 6.0.2. Advantage here is the database is clean (no orphaned data migrated to v6.0)

Global Mailbox and Restful APIs

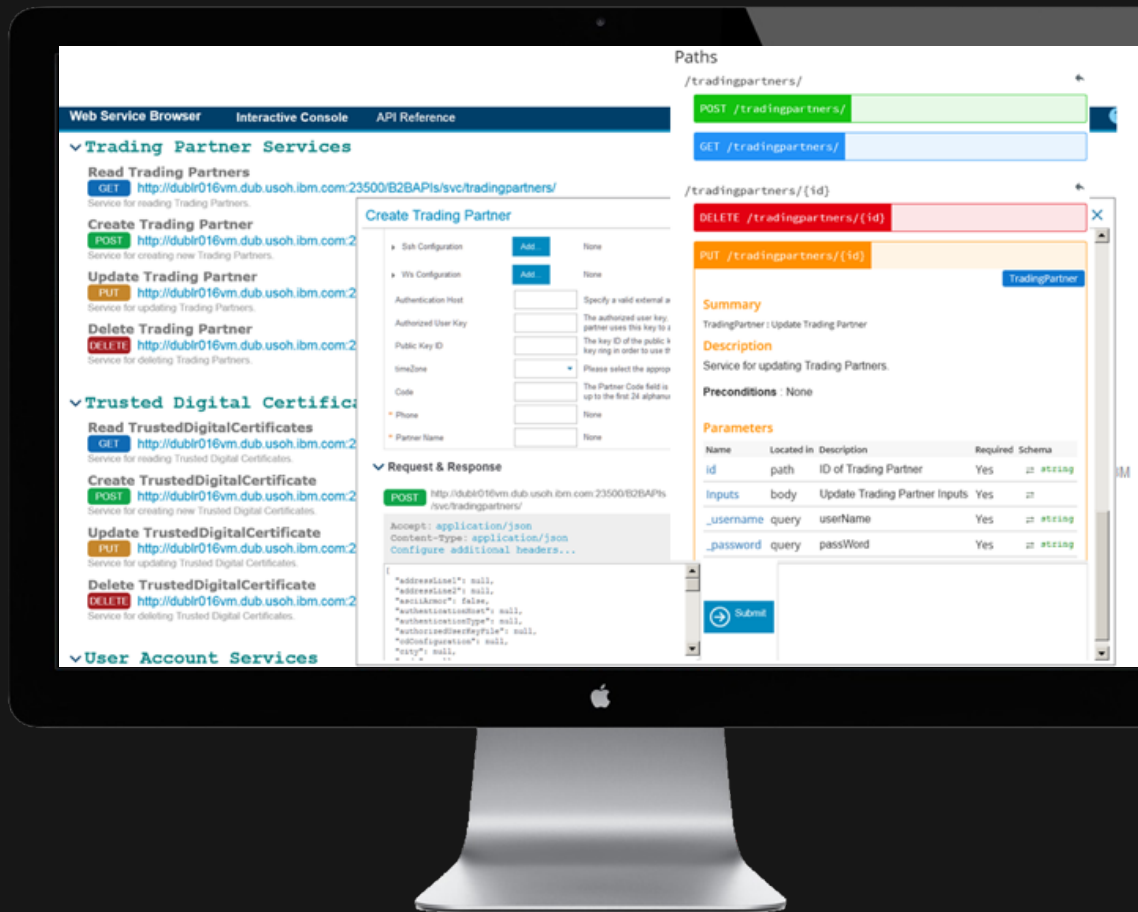


- Global Mailbox v6.0.2
 - Modern enterprises require an always-on 24x7 system
 - Downtime is costly and simply isn't an option
 - Global Mailbox ensures maximum system and file availability even in the event of a DC-wide disaster
 - Global Mailbox supports rolling upgrades, providing zero-downtime maintenance
 - Supports 2 or more geographically data centers
 - Options such as public cloud hosting fully supported. A hybrid multi-cloud setup is a good option for a flexible highly resilient architecture
 - All major protocols supported (AS2, myFG, Connect:Direct, FTP(s), SFTP)


Gateway API's



- Essential part of our portfolio strategy
- First set of API's focused on partner onboarding configuration
- UI tool for dynamic execution and testing of API to simplify deployment
- Well documented for ease of use
- PEM leverages APIs to automate onboarding and reduce operational time, cost and effort



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