

Simplifying the Administration of IMS with a web user interface

Tracy Dean

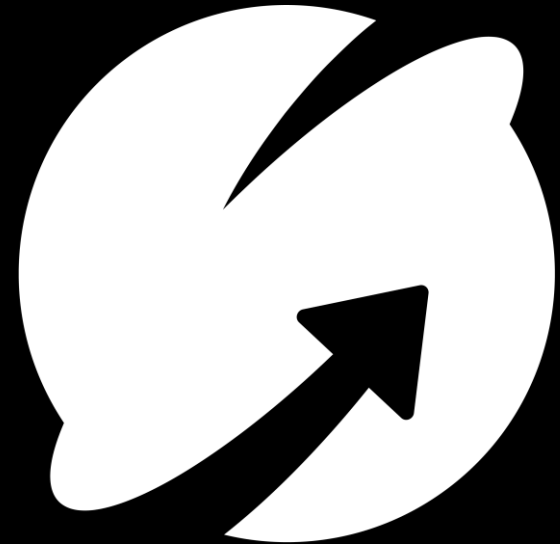
Product Manager for IMS Tools and z/VM Tools

tld1@us.ibm.com

Ron Bisceglia

Architect, IMS Tools

rbisceglia@rocketsoftware.com



Agenda

Pain points

Solution

Is it really no-cost??

Demo

Summary and reference information

Pain points

for IMS DBAs, system programmers and system administrators

New staff learn faster with a graphical interface

ISPF menus are limited in the amount of data they can show in one view

Navigation in ISPF must be learned, not always intuitive

IMS Explorer for Development is Eclipse-based

- Requires installation of and continued updates to software on the user's workstation or laptop
- Organizations continue to tighten workstation and laptop security
- IMS DBAs and system programmers and administrators are often not authorized to install software on local workstations and generally have no need for Eclipse
 - Application developers often need Eclipse for their tasks

Solution

A web browser user interface to some IMS and IMS Tools functions

Zowe-based

Shared infrastructure with other IBM and non-IBM products

Graphical user interface with no requirement to install code on your workstation or laptop

IBM carbon design

Target users or personas

- Database administrators
- System programmers and administrators
- Will continue to evolve to support these users

What about IMS Explorer for Development?

- Target user or persona is application developer
- Will continue to evolve to support application developer requirements

IBM Unified Experience for z/OS

- Zowe desktop application
 - Zowe desktop is a web browser interface
- Single integrated user interface for IMS and Db2
- Currently supports
 - IBM Db2 Administration Foundation
 - IBM Db2 DevOps Experience
 - IBM IMS Administration Foundation
- Functions are activated based on the products you have installed

Is it really no-cost?

Packaging and delivery

IMS Tools Base for z/OS

Existing no-charge product

Must be ordered and entitled on Shopz like other z/OS software

Traditionally contains

- Infrastructure components for IBM IMS Tools database related solution packs
- IMS Hardware Data Compression Extended
- Batch utility to report and delete RM resource structures

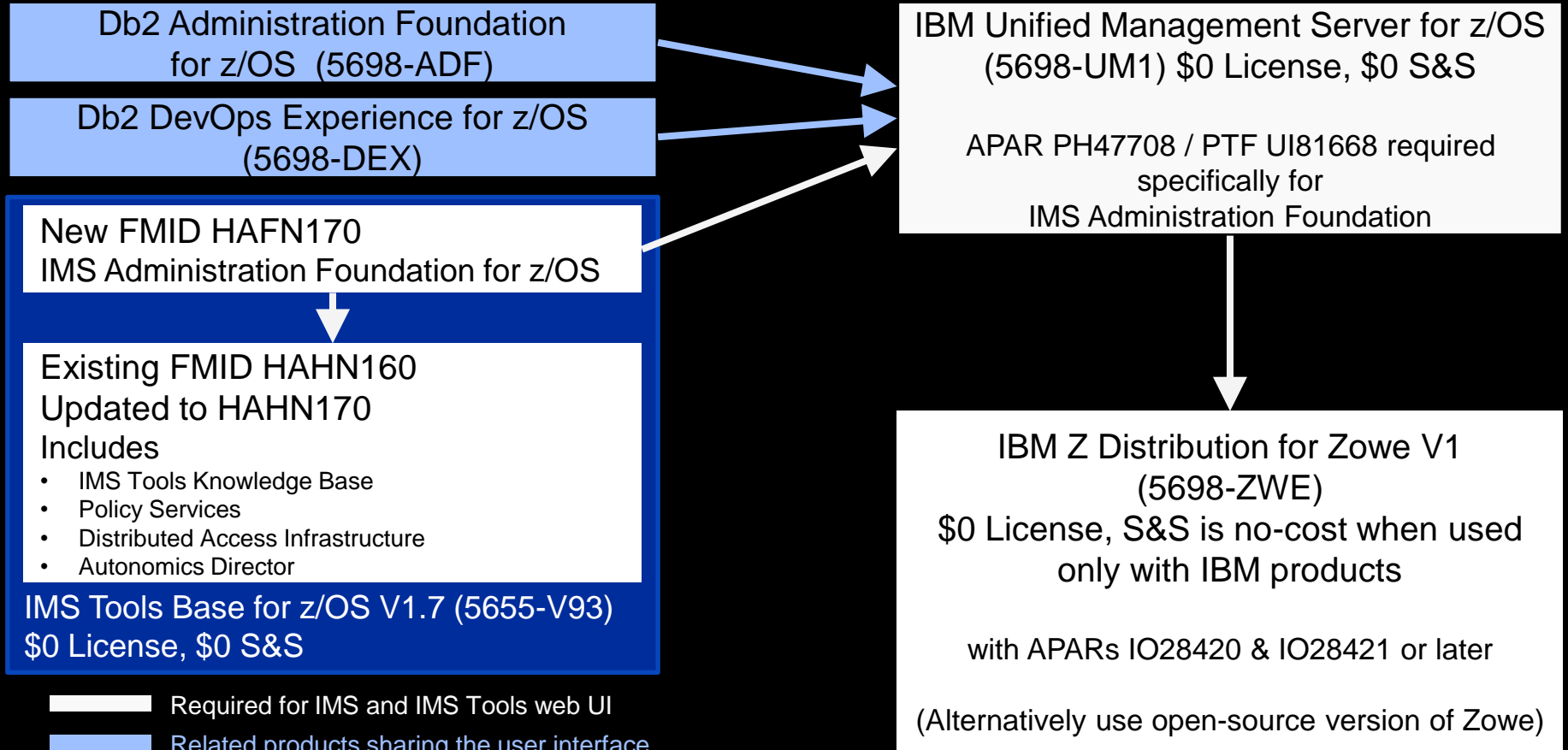
New V1.7

Announced 26 July 2022

Available 29 July 2022

New component added for web browser interface:
IMS Administration Foundation for z/OS

IBM IMS Tools Base V1.7 – Related Components



Administration functions included at no charge

IMS SQL processor

IMS type-1 and
type-2 commands

Refresh capability in
all views

IMSplex properties and components

IMS properties and components

IMS Connect properties, related client connections,
and OTMA and ODBM datastores

Properties and status of IMS resources

- Programs and PSBs: related databases, routing codes and transactions
- Routing codes: related programs
- Transactions: related databases, programs and routing codes
- Databases and DBDs: related programs

Improved administration enabled with additional IBM IMS Tools

Historical trend data for

- Databases
- DEDB areas
- HALDB partitions

Autonomics related to reorganizations and recovery

- Policy services
- Resource exceptions

Requires one or more of

- IMS Fast Path Solution Pack
- IMS Database Solution Pack (for online reorgs)
- IMS Database Utility Solution (for offline reorgs)
- IMS Recovery Solution Pack

DBD maps with source statements

PCB maps with source statements

Combined PCB-DBD maps

PSB and logical DBD cross references

Requires IMS Library Integrity Utilities

Or any IMS Tools solution pack which contains it:

- IMS Fast Path Solution Pack
- IMS Database Solution Pack (for online reorgs)
- IMS Database Utility Solution (for offline reorgs)

Demo scenarios



IMS DBA

View health information about IMS databases

▼ Databases with exceptions

- ▼ Critical
 - AUTODB (IFQ1 DSGRO)
 - AUTODB (IFQ8 DSGRO)
 - DEDBJN23 (IFQ1 DSGRO)
 - DFSCD000 (BLFN9)
 - DFSCD000 (IFQ1 DSGRO)
 - DFSCD000 (IFQ3 DSGRO)
 - DFSCD000 (IFQ8 DSGRO)



Identify databases that have exceptions

Name	REORG
AUTODB	Critical
▼ DEDBJN23	Critical
▼ DFSCD000	Warning
▼ DFSCX000	No exceptions

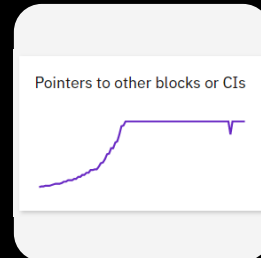


Check exceptions & suggested actions

Severity	Exception
Critical	Limited available...
Critical	At least one d...
Critical	At least one d...
Critical	One or more d...
Severe	Excessive num...



Analyze related charts of sensor data, trends & reports



IMS system programmer or administrator

View IMS components

▼ IMS components

- ▶ BLFN8
- ▶ BLFN9
- ▼ BLFQ1
 - IFQ1 DSGROUP
 - IFQ1
 - IFQ2
 - IFQ1HWS
 - IFQ2HWSX



Check status of IMS components

Member name	Status
IFQ1	READY,ACTIVE
IFQ1CQS	READY,ACTIVE
IFQ1HWS	ACTIVE
IFQ10D	READY,ACTIVE
IFQ10M	READY,ACTIVE



Check status of online resources

Name	Status
ACCUNTDATA	NOTINIT-1E-NOD...
AUTODB	NOTOPEN
COMPOSDA	NOTINIT-1E-NOD...
CPINDEXA	NOTINIT-1E-NOD...
CUINDEXA	NOTINIT-1E-NOD...

Demo

Summary

We heard your pain

Software installation on DBA and system programmer/administrator workstations is restricted

New staff are looking for graphical interfaces

Web user interfaces are needed

We are building solutions on a common Zowe infrastructure

Initial release of the web user interface is now available

Continued investment so send us your requirements

Try it out in our hands-on lab

Request a demo or virtual hands-on lab

Visit our website:

<https://ibm.biz/IMSToolsBase>

For Db2 Administration Foundation, see session Z08, Tuesday at 1:30pm

Zowe™ resources

Learn

Consume

Extend

Contribute

Visit the [Open Mainframe Project™](#)

Visit [Zowe.org](#)

Connect with us on [Slack](#) or via [email list](#)

Zowe on [IzTrial](#) (under IT Operations)

Zowe blogs on [Medium](#)

Interskill Basics for Zowe badge [Zowe Fundamentals](#)

[Zowe Github](#)

[Download Zowe](#)

Review [documentation](#)

[Troubleshooting](#)

Reach out to us on [Slack](#) or via [email list](#)

Review the [extenders guide](#)

Zowe [Tutorials](#) and [Samples](#)

Provide feedback, problems or recommendations to us on [Slack](#) or via [email list](#)

Submit [Git](#) Issues

Review the community [backlog](#) and contribute code

Earn your committer status through meritocracy

IBM Z Distribution for Zowe specific resources

- **IBM Z Distribution for Zowe 1.0** available since **Feb 2020** ([announce](#)), **2.0** available since **June 2022** ([announce](#))
- [IBM Z Content Solutions](#) website (collection of information about IBM distribution, IBM extensions, blog and technical resources)
- News on **ordering process** IBM Z Distribution for Zowe™ blog: <https://community.ibm.com/community/user/ibmz-and-linuxone/blogs/bruce-armstrong/2022/08/01/news-you-can-use-considerations-when-ordering-ibm>
- IBM Z Distribution for Zowe **Documentation** is available here: <https://www.ibm.com/docs/en/zdfz/1.0.0?topic=zowe-overview-z-distribution>
 - “Planning for installation” section is available here <https://www.ibm.com/docs/en/zdfz/1.0.0?topic=zowe-planning-installation>
 - For more information about Node.js SDK, see the IBM SDK for Node.js - z/OS documentation: <https://www.ibm.com/docs/en/sdk-nodejs-zos/12.0>

Additional IMS and IMS Tools Links

IMS Tools website

www.ibm.com/it-infrastructure/z/ims/tools

IBM Z Software Newsletter, Operations and Management

<http://ibm.biz/zITSMNewsletterSubscribe>

IMS Tools Product Documentation

www.ibm.com/support/docview.wss?uid=swg27020942

IMS listserv

<http://imslistserv.bmc.com>

IMS Tools new functions

www.ibm.com/support/docview.wss?uid=swg22015506

IMS Tools support for IMS V15

www.ibm.com/support/docview.wss?uid=swg22009341

IMS Tools support for Managed ACBs

www.ibm.com/support/docview.wss?uid=ibm10731745

IMS Tools support for Data Set Encryption

www.ibm.com/support/pages/ibm-ims-tools-and-data-set-encryption-support

IMS Fundamentals videos:

https://mediacenter.ibm.com/playlist/dedicated/122579632/1_b56rpdpt/1_jy8lv5f5

IMS Tools Videos on IBM MediaCenter

ibm.biz/ims-tools-mediacenter

IMS new functions

www.ibm.com/docs/en/ims/15.3.0?topic=enhancements-ims-enhancement-ptfs

Unified Management Server documentation (including documentation for IMS Administration Foundation)

www.ibm.com/docs/en/umsfz