

Modernization of OMEGAMON with key enhancements

Are you getting the most out of your investment?



Ashok Mahay
Senior Product Manager,
IBM



Anna Murray
Product Management
Director, Rocket
Software

Notices and disclaimers

© 2026 International Business Machines Corporation. No part of this document may be reproduced or transmitted in any form without written permission from IBM.

U.S. Government Users Restricted Rights — use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM.

Information in these presentations (including information relating to products that have not yet been announced by IBM) has been reviewed for accuracy as of the date of initial publication and could include unintentional technical or typographical errors. IBM shall have no responsibility to update this information. This document is distributed “as is” without any warranty, either express or implied. In no event, shall IBM be liable for any damage arising from the use of this information, including but not limited to, loss of data, business interruption, loss of profit or loss of opportunity. IBM products and services are warranted per the terms and conditions of the agreements under which they are provided.

IBM products are manufactured from new parts or new and used parts.

In some cases, a product may not be new and may have been previously installed. Regardless, our warranty terms apply.”

Any statements regarding IBM's future direction, intent or product plans are subject to change or withdrawal without notice.

Performance data contained herein was generally obtained in a controlled, isolated environments. Customer examples are presented as illustrations of how those customers have used products and the results they may have.

References in this document to IBM products, programs, or services does not imply that IBM intends to make such products, programs or services available in all countries in which IBM operates or does business.

Workshops, sessions and associated materials may have been prepared by independent session speakers, and do not necessarily reflect the views of IBM. All materials and discussions are provided for informational purposes only, and are neither intended to, nor shall constitute legal or other guidance or advice to any individual participant or their specific situation.

It is the customer’s responsibility to insure its own compliance with legal requirements and to obtain advice of competent legal counsel as to the identification and interpretation of any relevant laws and regulatory requirements that may affect the customer’s business and any actions the customer may need to take to comply with such laws. IBM does not provide legal advice or represent or warrant that its services or products will ensure that the customer follows any law.

Agenda

1

Introduction

2

OMEGAMON Core and Data

3

OMEGAMON UI

4

OMEGAMON AI for z/OS

5

OMEGAMON AI Db2

6

OMEGAMON AI for CICS

7

OMEGAMON AI for JVM

8

OMEGAMON AI for Storage

9

OMEGAMON for Messaging

10

OMEGAMON for IMS

11

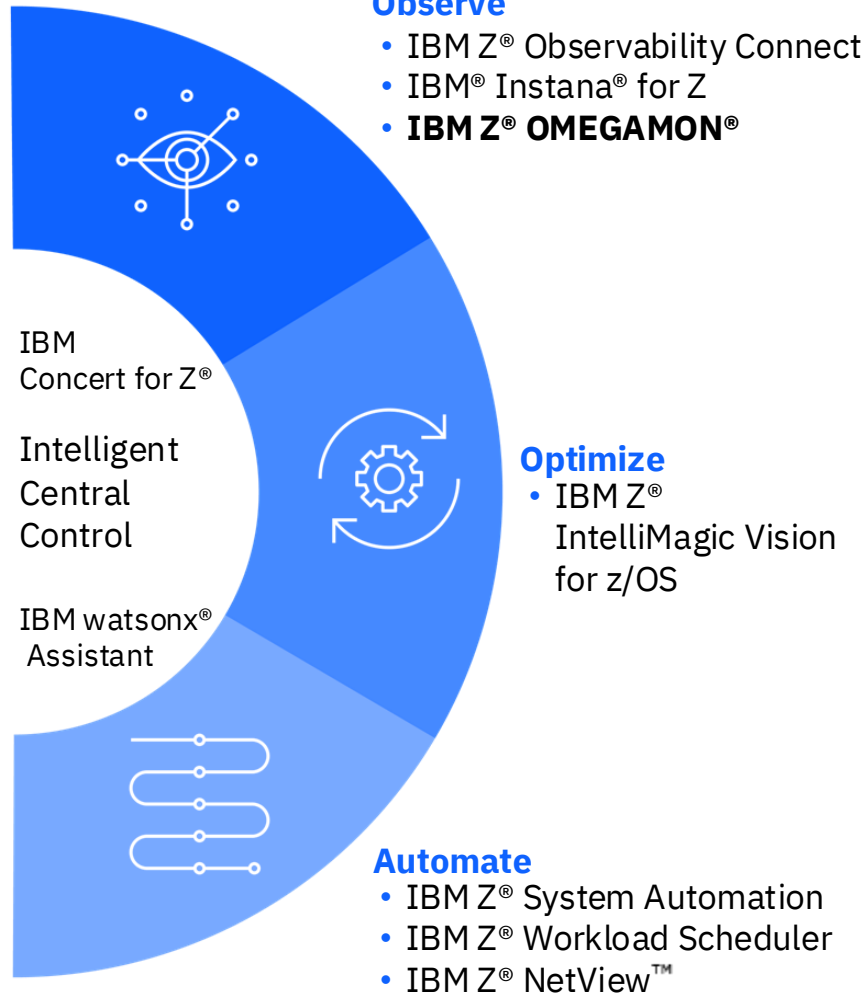
Solution Updates and
Software Lifecycle

12

Engagement

Deliver Mainframe Insight Everywhere You Need It

IBM AIOps Ecosystem



- Provides real-time, accessible data to power analytics, drive efficiency, and respond fast to incidents
- Moves data streaming off-platform to avoid soaring MIPS cost with one-to-many streaming for diverse analytics platforms (ex. Splunk, Elastic, Datadog)
- Integrates natively with the IBM Z AIOps ecosystem to enable analytic insights

“Using OMEGAMON Data Provider to enable Grafana to create dashboards gives us the ability to standardize and streamline our processes and fits with our skill sets.”
Frank Petersen, Lead IT Architect, bankdata

IBM Z® OMEGAMON® AI

Consume less CPU and decrease software licensing costs

Platform agnostic monitoring & analytics

Native integration with the IBM Z AIOps ecosystem

Lower Total Cost of Ownership

- Light multi-tenant and efficient architecture - easy compartmentalization by customer
- Cost savings with zIIP utilization - one solution to serve all your customers
- Service provider access to all monitoring data - increase your level of service and customer satisfaction
- Automated migration from other monitors - small conversion project and fast time to value

Increase Productivity

- **Incident prevention with AI driven insights**
 - Surface performance issues early to avoid costly impact
- **Intuitive platform agnostic monitoring with Grafana®**
 - Simpler for beginners
 - Faster for experts
 - Facilitates knowledge transfer
- **Maintenance in moments, not weeks**
 - Simplified deployment and maintenance with ANSIBLE® automation

IBM customers experience that the latest OMEGAMON versions consume **significantly less CPU** (up to 50%) than the competing products!

“Rapid detection of excess CPU utilization enabled us to avoid €60,000 in software MSU fees.”
- European Bank

IBM OMEGAMON Web UI with Grafana®





OMEGAMON CORE

Unlocking Performance Monitoring Data for Analytics

There is a wealth of subsystem and application data available within and across the OMEGAMON family, DB2, CICS and IMS tools today



Businesses are looking to leverage analytics, artificial intelligence and machine learning to automate processes and act on the myriad of operational data available within their enterprises.

”Unlocking” this data, via a variety of methods, provides a pathway for these products to participate in the world of AIOPs – operational analytics and machine learning

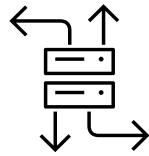


IBM Z OMEGAMON Data Provider



Data Integration

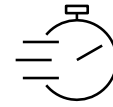
Provides real time OMEGAMON data streaming in a format that is easy to understand and consume to your preferred technology stack including Elastic Stack, Splunk, Kafka, Instana and Prometheus.



Subsystem Support

Support for z/OS, Db2, CICS, IMS, JVM, MQ, Networks and Storage.

Over 18,000 metrics are available to stream.



Ease of Use

Data served in an industry standard, self-describing format.

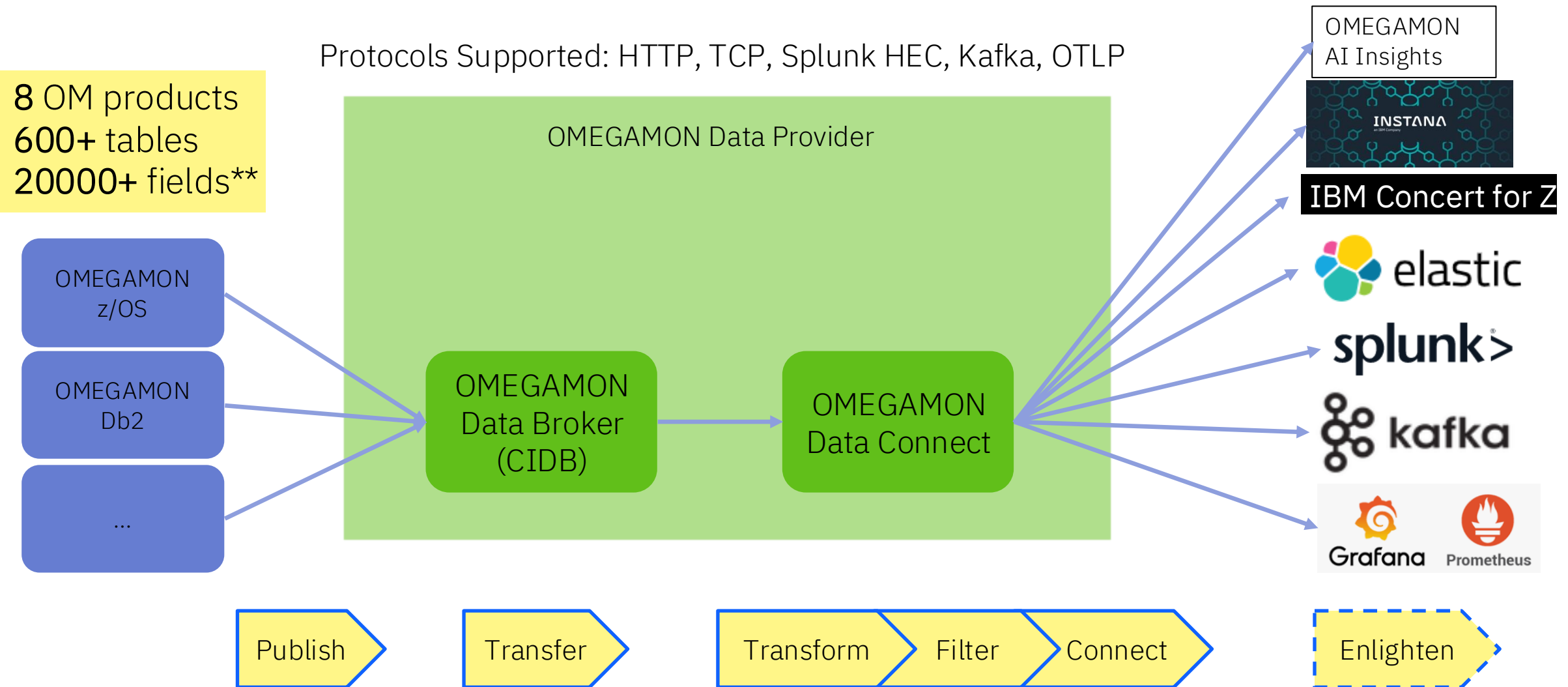
Decide what to forward and how often from a central point of control.



Starter Dashboards

Starter dashboards are available for z/OS, Db2, CICS, IMS, JVM, MQ, Networks and Storage.

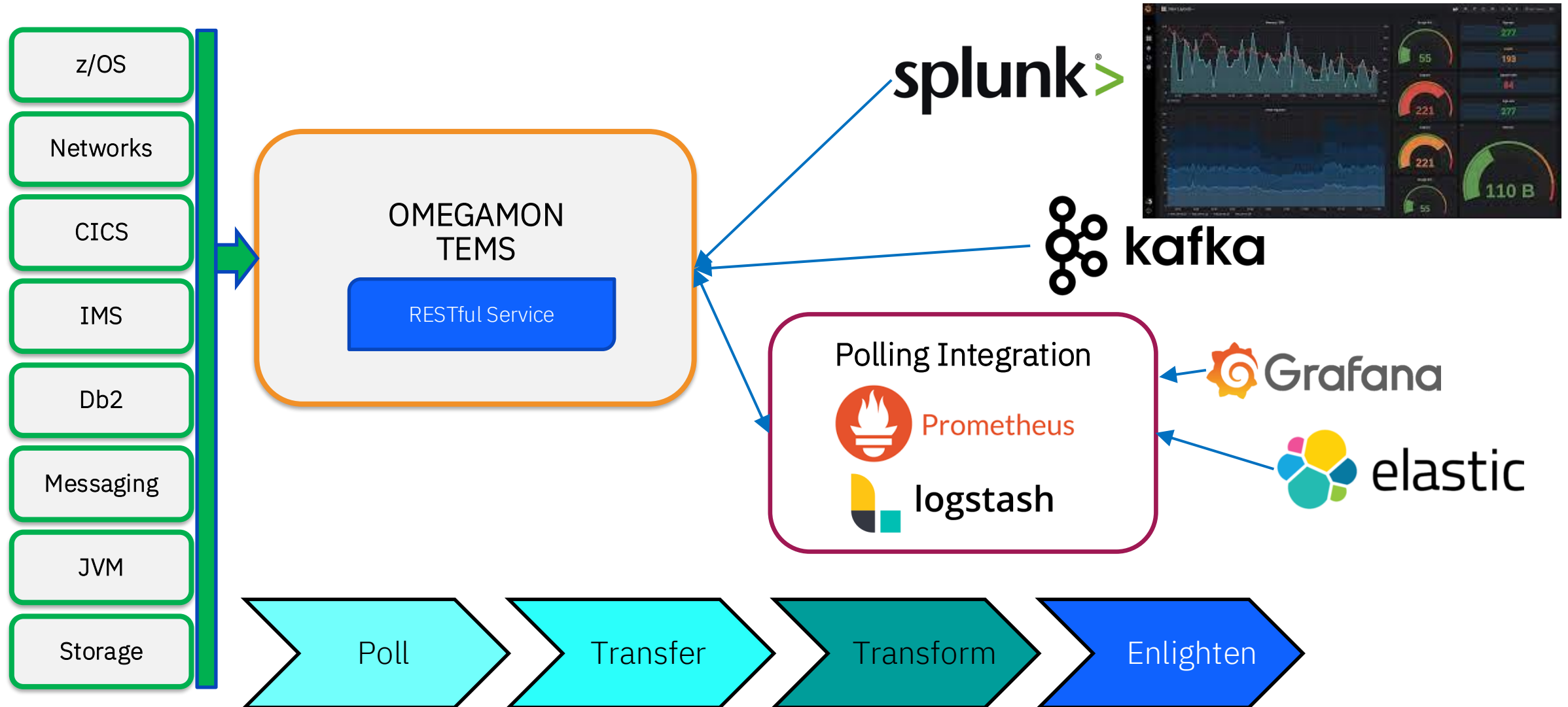
OMEGAMON Data Provider



** These are the number of metrics possible. If anyone actually streamed all of these to any of the analytics platforms listed on the right, we can guarantee your CPU would increase and therefore MSU's and software license charges as well. Best to curate a list of Key Performance Indicators to those targets, as has been done via a fixed list to Instana...roughly 30 tables with their associated metrics.

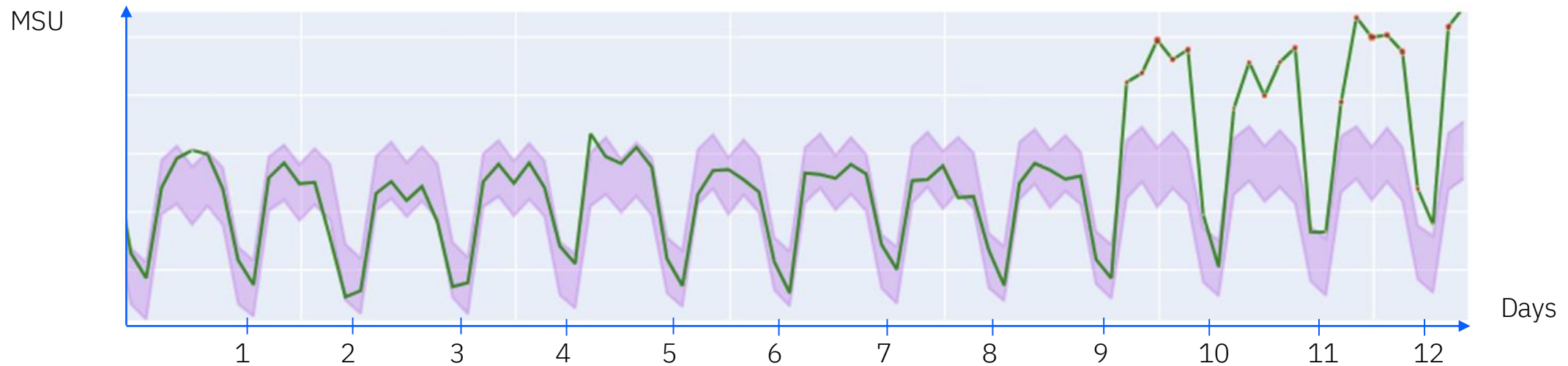
ITM REST API

shipped with Tivoli Mgt Service APAR# OA66461

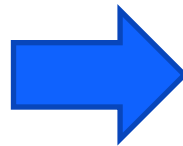


IBM Z OMEGAMON AI, example of a real client case

Applying ML to the customer data enabled us to develop algorithms that learn the **normal behavior and seasonality**



Client needed **3 weeks** to discover an overconsumption of **100+ MSU** per day after a subsystem upgrade with a total cost of **60K euros** for excess MSU



Flag consumption anomalies resulting in alerting of overconsumption ***the day it arises..***
Immediate ROI in cost avoidance

IBM Z OMEGAMON AI, example of a real client case

Proactive detection of poor performance, cost saving, workload optimizations

Client impact:

“IBM Z OMEGAMON AI Insights” discovers anomalies in Db2 on the fly –giving us the possibility to solve problems before they impact the end users experience.”

- Frank Petersen,
Lead IT Architect,
bankdata



Without
AI Insight

Application
Change
Wed. Aug. 28

Real life notification
Friday Aug. 30
Event Start

Real life resolution
Tuesday Sept. 04
Event Fixed

With AI
Insight

Automated AI
detection
Wed. Aug. 28
Event Detected

3 days of proactive window
to fix the issue before end
of month business peak

46k CPU cycles and
application outage
avoided!

IBM Z OMEGAMON AI use cases

OMEGAMON AI for z/OS

Detect abnormal MSU consumption across your z/OS workloads, potentially saving consumption costs



OMEGAMON AI for CICS

Detect abnormal transactional response time or CPU utilization to protect transactional workload



OMEGAMON AI for Db2

Detect abnormal CPU consumption bottlenecks and workload drift to ensure performance

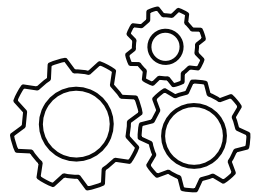


And more OMEGAMON AI Use cases
OMEGAMON AI for Network, JVM, Storage, ...



See for yourself! – OR – Share your own!

Streamline OMEGAMON Configuration



- IBM Z Monitoring Configuration Manager eases agent implementation and tuning
- Simplified & Streamlined batch workflow
- Improved Discovery – Less Manual entries using DISCOVER action
- Reduce time required to update when new releases / service is applied
- Improved RTE deployment across SYSPLEX
- Works for all OMEGAMONs V5.4 or higher
- Remote Deployment capabilities using PACKAGE and DEPLOY actions

```
//IMCM      JOB  ,CLASS=A,MSGCLASS=T,NOTIFY=&SYSUID,TIME=1
//*
//S1        EXEC PGM=KCIOMEGA | KCIALPHA
//STEPLIB   DD  DISP=SHR,DSN=SYS1.OME.TKANMOD
//KCIFLOW   DD  DISP=SHR,DSN=SYS1.OME.TKANCUS(KFJOMEGA)
//KCIVARS   DD  *
ACTION      CREATE | DISCOVER | GENERATE | DELETE |
            MIGRATE | PACKAGE | DEPLOY
RTE_NAME    DEMO1
RTE_PLIB_HILEV JOHN.DEMO
/*
```

Svenska Handelsbanken AB

Automated OMEGAMON Configuration



About Svenska Handelsbanken AB

Founded in 1871 and the oldest company on the Swedish stock exchange

One of the big banks in the Nordics and are well known for our low risk and low credit losses

Presented by Thomas Olofsson at Share Kansas City –
Recorded replay is available

Automation Details

Migrated to configuration manager from PARMGEN using the MIGRATE action

All new code is activated with an IPL

If new agents need to be configured or changes needs to be implemented, they update the members in the configuration dataset prior to IPL

The code in RTE is updated using SMP/e in one central environment. They then dump the volumes to a shared disk and restore where needed.

The IPLs leverage IBM Workload Scheduler and GDPS, using a stopvote in Workload Scheduler for the OMEGAMON jobs.

During the IPL, they add the configuration manager GENERATE job to JES2. When the resources are available the job runs with the new code



OMEGAMON UI

Strategic OMEGAMON user experiences

Web UI with Grafana®

- Use your favorite browser
- Visualize data in ways you've only imagined before
- Note aberrations and drill down to find root cause quickly
- Configure Situations and Take Action in context



Enhanced 3270 User Interface – 3270 but better!

- Plex-wide and single-system views of data
- Auto discovery of and autoconnection to data sources
- Dynamic behavior and operation
- User-customizable workspaces Data filtering
- Cross-product embedded data.
- Near-term History

z/OS Connect API Provider Plex View
Selected API in all servers

Start Time (HH:MM:SS.mmm) 02:04:44.583 Date (MM/DD/YYYY) 03/23/2023
End Time 05:04:44.583 Date 03/27/2023

HTTP Method	Server Count	Request Count	Error Count	Timeout Count	Resp Time Max	Resp Time Avg	Resp Time Min	SoR Time Max	SoR Avg
GET	3	13039	7409	3	38.8320s	1.99937s	-.000256s	30.0217s	1.96
GET	1	62	62	0	.004553s	.000687s	-.000302s	0.00000s	0.00
HEAD	1	114	38	3	33.0039s	3.78173s	-.001145s	29.9993s	3.77
HEAD	1	30	30	0	.003979s	.000639s	-.000256s	0.00000s	0.00
HEAD	1	1854	1854	0	8.25196s	.016109s	-.007145s	0.00000s	0.00
GET	1	10458	4905	0	38.8320s	2.44758s	-.011853s	30.0217s	2.44
PUT	1	280	280	0	.013324s	.001999s	-.000570s	0.00000s	0.00
GET	1	211	210	0	10.2614s	.053471s	-.001293s	10.0558s	.04
API	1	30	30	0	.012501s	.003395s	-.001408s	0.00000s	0.00
API	1	0	0	0	0.00000s	0.00000s	0.00000s	0.00000s	0.00
API	3	12977	7347	3	33.0039s	2.00892s	-.001256s	30.0217s	1.97
HEAD	1	30	30	0	.003979s	.000639s	-.000256s	0.00000s	0.00
HEAD	1	114	38	3	33.0039s	3.78173s	-.001145s	29.9993s	3.77
GET	1	1854	1854	0	8.25196s	.016109s	-.007145s	0.00000s	0.00
GET	1	10458	4905	0	38.8320s	2.44758s	-.011853s	30.0217s	2.44
PUT	1	280	280	0	.013324s	.001999s	-.000570s	0.00000s	0.00
API	1	30	30	0	.012501s	.003395s	-.001408s	0.00000s	0.00
API	1	211	210	0	10.2614s	.053471s	-.001293s	10.0558s	.04

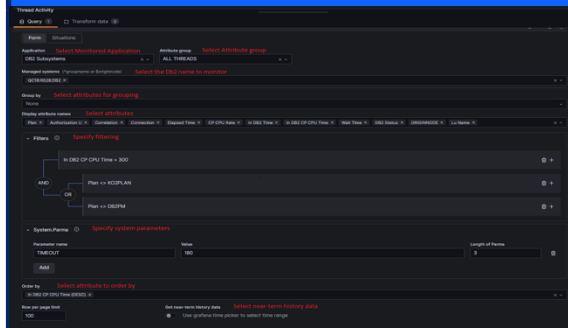
OMEGAMON Web UI Overview

Visualization



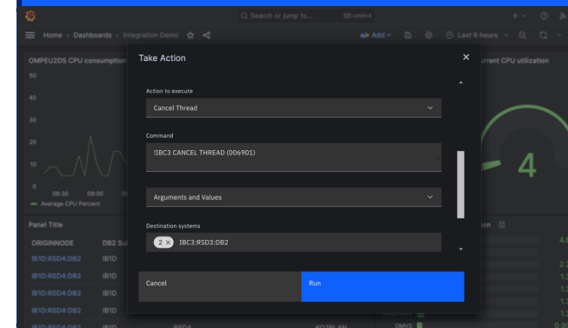
- Powerful dashboarding and data visualization using **Grafana OSS** (available on amd64 & s390x)
- Product provided dashboards for all agents
- Easy to use/learn
- Ability to get data from multiple data sources
- Big opensource community

Query Building



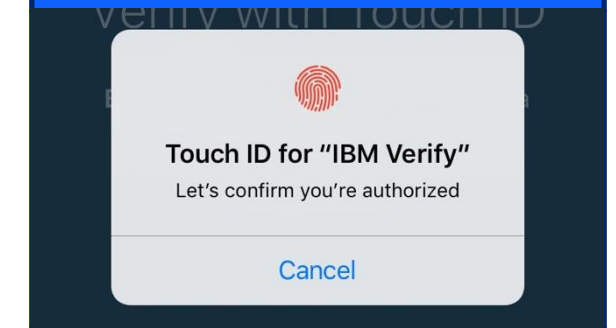
- Custom query editor built for OMEGAMON data
- Simplified experience to find the data you want
- Graphical representation of filters for clarity
- Query panel for advanced users
- Ability to get views available in e3270 by simply pasting in queries

Integrated Admin



- Independent & not tightly coupled Grafana
- Admin features easily integrated into Grafana dashboarding
- Situation Editor & Take Action
- Further Admin Features in development

Seamless Navigation



- Fully integrated SSO – login once, navigate seamlessly
- Contextual linking between dashboarding & other tools

Why Grafana?

Grafana is a widely industry adopted user experience solution that is available as open source or with paid support for Grafana (2 OMEGAMON case studies leverage Grafana)

The use of Grafana will **accelerate capability availability** and allow the team to be more productive and **focus on more client valued capability and integration**

Dashboard UI with no-code functionality to create and compose dashboards **from different data sources across the enterprise**

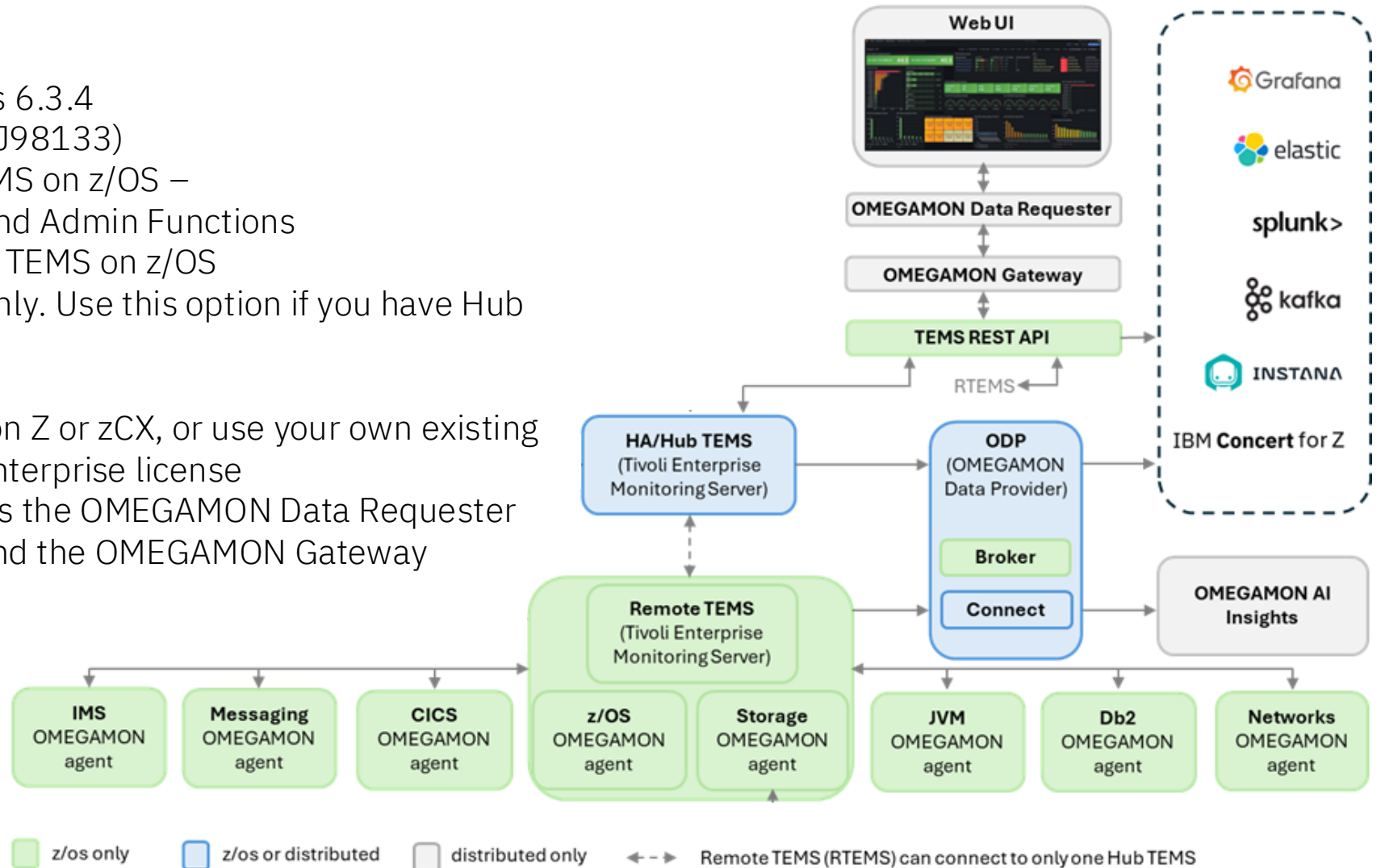
Dashboard UI that allows views to communicate with each other and provides context menus (right-click) with configurable actions



OMEGAMON Architecture for Web UI 2.1

Required Components

- Tivoli Management Services 6.3.4
 - ✓ APAR OA68455 (PTF UJ98133)
- ITM REST API with Hub TEMS on z/OS –
 - ✓ Supports Dashboards and Admin Functions
- ITM REST API with Remote TEMS on z/OS
 - ✓ Supports Dashboards only. Use this option if you have Hub TEMS on Linux
- Grafana® - install on Linux on Z or zCX, or use your own existing Grafana® Open Source or Enterprise license
- Web UI Installation contains the OMEGAMON Data Requester signed plugin for Grafana and the OMEGAMON Gateway





OMEGAMON AI FOR Z/OS

IBM Z OMEGAMON AI for z/OS 6.1.0 Fix Pack 7 and 8 updates

APARs [OA67597 \(UJ97437\)](#), [OA68108 \(UJ98109\)](#)



Increased zIIP offloading



Currency and exploitation for z/OS 3.2 and z17 hardware



z/OS 3.2 System Recovery Boost



Currency support for zCX cAdvisor and GPMSEERVE

z/OS 3.2 Support and z17 Power Consumption Reporting

- WLM Class Raw Extended Metrics attribute group updated to report for service and report classes:

- Execution Velocity
- CPU Percent
- zIIP Percent
- zIIP on CP Percent

WLM Class Resource Report Class Period

Columns 15 to 28 of 64

AClass	VName	APeriod	AzIIP VSUs	zIIP%	AzIIP On VCP SUs	zIIP On CP%	ATotal VUsings	ATotal VDelays
---	RSTCDFLT	1	107K	0.100	7599	0.000	334	634
---	ROMEGR	1	279K	0.400	0	0.000	225	340
---	OMEGTRC1	1	71485	0.100	0	0.000	47	99
---	RRMFGPM0	1	226K	0.400	239	0.000	41	1
---	RUSSTSO	1	0	0.000	0	0.000	28	32
---	RCICSRGN	1	29119	0.000	7368	0.000	14	561
---	RZFS	1	0	0.000	0	0.000	9	4
---	RZOSMF	1	71489	0.100	595	0.000	12	4
---	RTSO	1	0	0.000	0	0.000	87	3
---	RDB2	1	0	0.000	0	0.000	11	43
---	PCPS	1	23366	0.000	0	0.000	4	3

- New KM5 RMF Power Consumption attribute group reporting LPAR/CPC power consumption for z17

- e3270UI updated to report z17 power consumption in new workspaces
- LPAR Clusters attribute group updated to report replacement capacity metrics for z17

CPC 088DC8 Std Status

CPC Status

CPC Model#.....	3931-719	CPC Serial#.....	
CPS CPU%.....	84.673	CPS %Overhead.....	
Total CP %Consumption.....	90.2	CPS Weight.....	
Physical CPS.....	19	Special CPS.....	
CPS MSUs.....	3703	CPS Storage.....	
Interval Time.....	47.449		

CPC Model Capacity

Model Capacity ID.....	3931-719	Model Capacity Rating.....	
Model Permanent Capacity ID.....	3931-410	Model Permanent Capacity Rating.....	
Model Temporary Capacity ID.....	3931-410	Model Temporary Capacity Rating.....	
Nominal Model Replacement Capacity Rating.....	Unavailable	Model Replacement Capacity Rating.....	
CPU Adjustments.....	Yes	OOCOD CPM Adjustments.....	

Enhanced Navigation in e3270UI

Tabular layout gives you easy spreadsheet-like access to metrics (Workspace: KM5STRTK).

Command ==> KM5STRTK (B) Address Spaces on an LPAR

AS CPU Bottlenecks Virtual Storage Real Storage Common Storage USS ECX RMF View SysProg Toolkit

Address Space Counts

Address Space Count.....	264	Total Enclave Count.....	85
Started Task Count.....	209	Active Enclave Count.....	63
TSO User Count.....	1	Inactive Enclave Count.....	22
Batch Job Count.....	5	APPC Count.....	49

CPU Utilization Summary

Address Space Name	ASID	CPU %	zIIP %	zIIP on CP %	General CPU %	TCB %	SRB %	CPU% Excl. Home SRB Time	zIIP% With Enclave Home SRB Time	Independent Enclave CPU%	Inde Encl
BAOACO3	011A	8.3	8.3	0.0	0.0	0.0	0.0	8.3	8.3	0.0	0.0
BAOAWB	0123	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ISOMDS	0094	1.7	0.0	0.0	1.7	1.7	1.3	1.7	0.0	0.0	0.0
ISOMAYDC	0083	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RMFGAT	0022	0.9	0.0	0.0	0.9	0.9	0.9	0.9	0.0	0.0	0.0
ISOMD5	0095	0.9	0.0	0.0	0.9	0.9	0.9	0.9	0.0	0.0	0.0
ISOMD6	0096	0.9	0.0	0.0	0.9	0.9	0.9	0.9	0.0	0.0	0.0
ISOMQ2	0132	0.9	0.0	0.0	0.9	0.9	0.9	0.9	0.0	0.0	0.0
XCFAS	0006	0.4	0.0	0.0	0.4	0.4	0.4	0.4	0.0	0.0	0.0
WLM	000C	0.4	0.0	0.0	0.4	0.4	0.4	0.4	0.0	0.0	0.0
CPONSTR	000A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Command ==> KM5STGM2 (B) Storage Utilization on an LPAR

AS CPU Bottlenecks Virtual Storage Real Storage Common Storage USS ECX RMF View SysProg Toolkit

Virtual Storage

Address Space Name	ASID	Total Virtual (Mb)	Low Fixed (Mb)	Low Virtual (Mb)	Extended Fixed (Mb)	Extended Virtual (Mb)	Large Fixed (Mb)	Large Virtual (Mb)	Total Fixed (Mb)	Large Max	+Large Inuse Per
MASTER	0001	Unavailable	0.0	Unavailable	0.8	Unavailable	10.7	4.0	11.5	16.0E	0.0
GRS	0007	278855.0	0.0	0.3	0.2	328.4	0.6	278527.0	0.8	256.0P	0.0
I9A2DBM1	00E8	57439.1	0.0	0.6	0.2	138.2	48.0	57300.3	48.2	19.0T	0.2
PCA1DBM1	0080	57433.8	0.0	0.6	0.1	130.9	17.2	57302.3	17.4	4.0T	1.3
PB1ADB1	00EE	57427.2	0.0	0.6	0.1	130.3	4.0	57296.3	4.2	4.0T	1.3
IA1ADB1	00F3	57407.6	0.0	0.6	0.1	118.7	3.8	57288.3	3.9	4.0T	1.3
PCA1MSTR	0083	55491.5	0.0	0.4	0.1	39.9	2.1	55451.3	2.1	16.0E	0.0
I9A2MSTR	010F	55488.2	0.0	0.4	0.1	36.4	2.1	55451.3	2.1	16.0E	0.0
I9A2DIST	00EC	55483.4	0.0	0.5	0.0	31.7	0.8	55451.3	0.8	16.0E	0.0
IA1ADIST	00F4	55470.1	0.0	0.7	0.0	27.3	0.7	55442.3	0.8	16.0E	0.0
PB1AMSTR	00DA	55469.1	0.0	0.4	0.1	21.4	2.0	55442.3	2.0	16.0E	0.0
IA1AMSTR	00F1	55469.1	0.0	0.4	0.1	21.4	2.0	55447.3	2.1	16.0E	0.0
PB1ADIST	00EF	55468.2	0.0	0.5	0.0	27.5	0.7	55440.3	0.8	16.0E	0.0
PCA1DIST	0080	55462.0	0.0	0.5	0.0	19.5	0.7	55440.3	0.8	16.0E	0.0
OMVS	0011	54834.9	0.0	0.2	0.2	71.4	9.9	54763.3	10.2	16.0E	0.0

Command ==> KM5CPUS (B) System CPU Utilization

AS CPU Bottlenecks System CPU 4HRA-MSU CPC USS crypto Enclave ECX >>

CPU Utilization System Rcvy Boost HiperDispatch Multi-Threading Warning Track Power Consumption

CPU Utilization Detail

Average CPU Percent.....	16	RMF MVS CPU Percent.....	13.3
RMF LPAR CPU Percent.....	14.1	Total TCBS.....	4
Total SRB%.....	1	Average zIIP Percent.....	5
Average zIIP on CP Percent.....	0	MVS Overhead.....	46
4 Hour MSUs.....	15	Percent LPAR MSU Capacity.....	1.1
Partition LCPD%.....	0	Partition LCPD%.....	0

LPAR Utilization

LPAR Group	LPAR Group Name	Group LPAR Capacity Limit	Average Unused Group MSUs	HiperDispatch Management
-	Unavailable	N/A	Unavailable	0

Easy Navigation in Web UI

Context sensitive drill-down functionality design allows you to interact with the summary and detail metrics all from a single dashboard.

The screenshot displays a web dashboard for 'Address Space Details'. At the top, there's a navigation bar with 'Home > Dashboards > 2. zOS > Address Space Details'. Below this, a filter bar shows 'Data Source: rocketsoftware-omegamon-RSPLEX03', 'Managed System: All', 'Address Space: BAQNVW8', and 'ASID: 0x128'. A secondary bar includes 'Enterprise Overview', 'z/OS Dashboards', and a time filter set to 'Last 6 hours'. The main content area is divided into two sections. The first, 'Address Space Overview', features a grid of large green numbers: Address Space Count (253), Started Task Count (198), Batch Job Count (5), TSO User Count (1), APPC Count (49), Active Enclave Count (62), Total Enclave Count (84), and Inactive Enclave Count (22). The second section, 'CPU Utilization Overview', is a table with columns for 'Take ac...', 'Job Name', 'ASID', 'CPU %', 'GCPU %', 'zIIP % Incl Enc...', 'zIIP on CP %', 'TCB %', 'SRB %', 'CPU % Excludi...', 'zIIP %', 'Independent E...', 'Independent E...', 'Independent E...', 'Dependent En...', and 'Dependent En...'. The first row is highlighted with a red box, showing 'BAQNVW8' as the Job Name and '0x128' as the ASID. At the bottom left, a sidebar menu is visible, listing categories like 'Real Storage (7 panels)', 'Common Storage (11 panels)', 'Virtual Storage (4 panels)', 'Address Space TCBS (4 panels)', 'Enqueue Conflicts (1 panel)', and 'CPU Details, Bottleneck Analysis, and Inspect (11 panels)'. The 'CPU Details, Bottleneck Analysis, and Inspect' item is highlighted with a red box.

Address Space Count	Started Task Count	Batch Job Count	TSO User Count	APPC Count	Active Enclave Count	Total Enclave Count	Inactive Enclave Count
253	198	5	1	49	62	84	22

Take ac...	Job Name	ASID	CPU %	GCPU %	zIIP % Incl Enc...	zIIP on CP %	TCB %	SRB %	CPU % Excludi...	zIIP %	Independent E...	Independent E...	Independent E...	Dependent En...	Dependent En...
	BAQNVW8	0x128	10.4	0.4	10.0	0.0	0.4	0.0	10.4	10.0	0.0	0.0	0.0	0.0	0.0
	BAQACOA3	0x11A	8.3	0.0	8.3	0.0	0.0	0.0	8.3	8.3	0.0	0.0	0.0	0.0	0.0
	RMFGAT	0x72	1.3	1.3	0.0	0.0	1.3	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
	IOBSNMP	0x6D	0.9	0.9	0.0	0.0	0.9	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
	WLM	0xC	0.9	0.9	0.0	0.0	0.9	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
	RMFGAT	0x6C	0.9	0.9	0.0	0.0	0.9	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
	CATALOG	0x14	0.4	0.4	0.0	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
	ISOMDS	0x98	0.4	0.4	0.0	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
	WLM	0xC	0.4	0.4	0.0	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
	ISOMN3	0xA0	0.4	0.4	0.0	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
	ZW5DS	0x11F	0.4	0.4	0.0	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
	TCPIP	0x65	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0

- Real Storage (7 panels)
- Common Storage (11 panels)
- Virtual Storage (4 panels)
- Address Space TCBS (4 panels)
- Enqueue Conflicts (1 panel)
- CPU Details, Bottleneck Analysis, and Inspect (11 panels)

Ideas delivered in 2025

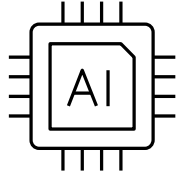
IBM Aha Idea		Released
OMEG4ZOS-I-138	Monitor the % of step CPU limit used by a job, configuring PSCU exception. It warns when any address space uses up more than nn% of the CPU time allowed in the current job step (where nn is the threshold for this address space).	OM z/OS 6.1.0 Feb 2025 APAR OA67285
TMSZ-I-81	Improved logging so that you can see the user who issued commands in System Programmers Toolkit	OM z/OS 6.1 June 2025 APAR OA67597
OMEG4ZOS-I-159	Added a configuration parameter to prevent the ICH408I message from displaying when the TEMS user identity is not superuser	OM z/OS 6.1 June 2025 APAR OA67597
OMEG4ZOS-I-160	Added an Execution Velocity metric to track Execution Velocity by LPAR/SMFID with historical context	OM z/OS 6.1 Sept 2025 APAR OA68108
IZOMEG4ZOS-I-5	Added a KM2_TIMEOUT to control idle session timeout for the Classic interface	OM z/OS 6.1.0 Dec 2025 APAR OA68313
OMEG4ZOS-I-165	Made the KM5_BPXSUPERUSER setting available in Configuration Manager for ease of configuration	OM z/OS 6.1.0 Dec 2025 APAR OA68313



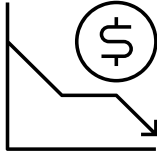
OMEGAMON AI FOR DB2

OMEGAMON AI for Db2 6.1.0 – Key Initiatives

Initiatives



AI infusion



TCO: Virtual Storage and CPU savings



New Function & Compliance

Goals

Leverage OMEGAMON AI Insights using Db2 statistical data KPIs

Reduce TCO from a CPU perspective (CPU savings / zIIP) Reduce “below the bar” 31bit storage by moving data structures to 64bit

5.5.0 Rollup selected new function ICN compliance

Features

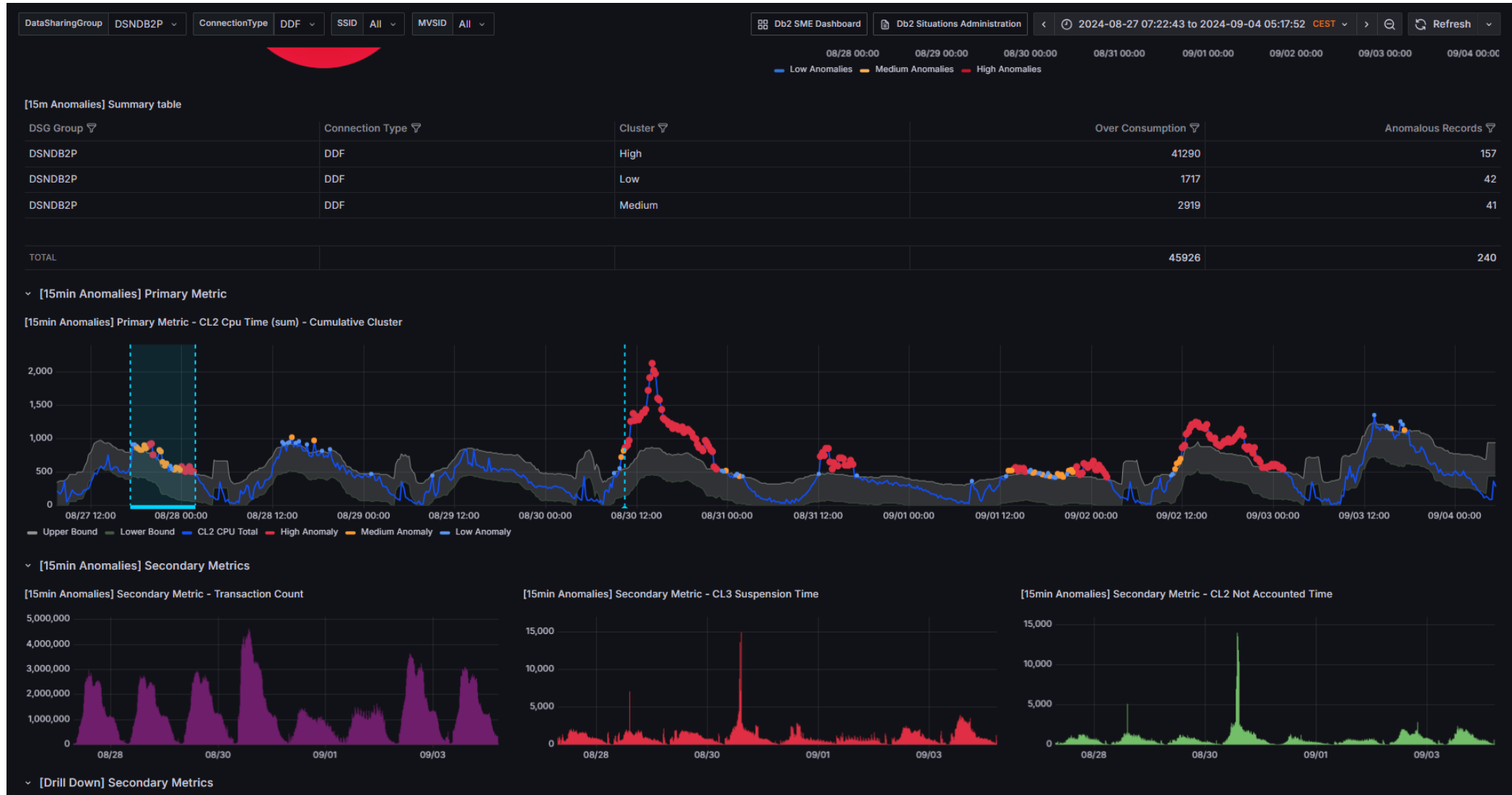
- Analyze anomalies at the Db2 connection type level
- Sample Grafana AI dashboards

- Compression in (N)TH data sets
- Rewrite Thread History backend to use 64bit data structures
- Batch 2.0 (MVP)

- ODP streaming of PDB data
- PDB checker utility
- ICN: Recompile storage allocation code (ASM/PLX)
- Selected AHA! ideas

Output – Connection Types Analysis at Db2 Subsystem Level

Example AI Insights analysis: Proactive alerting of significant divergence on DDF workload



Less of CPU, DASD, 31bit Storage

Approx. improvement in data compression using **dictionary-based hardware compression** with **Huffman encoding** (CSRCMPSC based service) – more data in VSAM, less switches

30%

Memory below the bar savings **per subsystem** monitored by moving IFI buffer processing in 64bit storage (depends on BUFSIZE parameter)

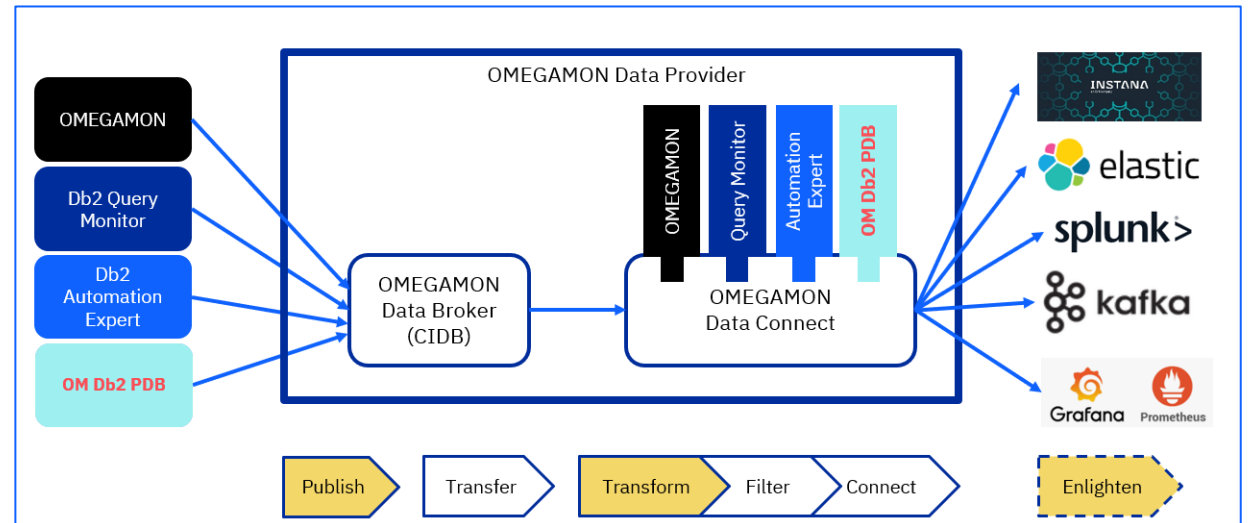
64MB

Enhanced 3270 UI Db2 Thread History and Classic Near-Term History VSAM data sets can now be up to 4GB (was 2GB) → more data in single VSAM space, less switches

4GB

Streaming OMEGAMON for Db2 Performance Database (PDB) using OMEGAMON Data Provider

- Leverage ODP infrastructure to stream Batch Reporter generated FILE/SAVE CONVERT data to ODP targets like Elastic/Prometheus and Splunk
- Game changing feature that complements the real time monitoring data shown in Grafana with SMF based historical (timeseries) data for problem diag.
- **Full support** of all Batch Reporter PDB data via PH69153.



Db2 13 Function Level support + Currency & AHA!s

- Full toleration and exploitation of Db2 13 Function levels up to FL508
- Staying up to date on Db2 13 Currency that is not FL related
- AHA!s implemented in 2025:

Realtime monitor

DB2ZOMEGA-I-76	Added the long names to the Thread History details view in the e3270UI
DB2ZOMEGA-I-77	Added a compatibility check between a PDB artifacts and the respective TKANMOD lib to avoid LOAD step failures so that the changes can be discovered and implemented orderly, avoiding job abends, and lost data
DB2ZOMEGA-I-78	The 3270UI display will show only active indoubt threads instead of all indoubt threads since DB2 started to remove confusion
DB2ZOMEGA-I-83	Users can easily sort and filter columns in the e3270UI by modifying the panel source and keep a customized panel in UKANWENU library or by using the "Dynamic Column Administration" delivered via OA66898/UJ96474
DB2ZOMEGA-I-85	Clients can use the Batch CRD function, which can be used to collect any arbitrary IFCID record and combined with a subsequent Batch Reporter call as well as a call to load the data into the OMEGAMON Db2 Performance Database
DB2ZOMEGA-I-89	To view CPU consumption of Db2 started task address space, use OMEGAMON for z/OS 5.6.0+ start sending the z/OS event table "ascpuutil", which will list CPU consumption for all address spaces, including the DIST

Batch reporter

DB2ZOMEGA-I-40	Introduced a new Java BATCH reporter (zIIP-enabled) that supports RECTRACE in this release with more to come
----------------	--



OMEGAMON AI FOR CICS

Task History Improvements

Maximum Size Extended

- Task History was previously limited to a maximum dataset size of 4GB per region, allowing a maximum of approximately 4.5 million transactions per region
- Limit is now removed and has a maximum potential dataset of **16TB**
- A file which was previously used with an earlier version of OMEGAMON will be **reformatted upon first use of 6.1.0 version**. There is no need to change the dataset, unless a larger size is required.

Task History can be paused

- Pausing task history allows viewing the task history data while no new tasks are collected.
- Prevents data wrapping for small datasets
- Task history can be configured to start in a paused state.

Performance Enhancements

- Most of the Task History processing will now use zIIP processors where available.
- The collection of task data and the processing of requests to view task history data will now be processed on zIIP processors.
- Service Level Analysis data collection, which previously ran on general purpose processors is now also zIIP eligible.

IBM Z OMEGAMON AI for CICS Version 6.1.0 Fixpack 1

- Current Average Response Times
- Improved Context command allowing greater navigation.
- Viewing summary of Transaction Waits.
- Viewing full value for long SIT parameters.
- OMEGAMON CICS Global options information.
- Enabling OMEGAMON in a CP/SM CMAS region.
- New Java certificate for TEP

Transaction Timings Display

Timings tab is now split into three panels:

- WAIT – values representing where task was idle.
- ACTIVE – breakdown of task's execution times.
- DETAILED lists all the timing categories tracked by OMEGAMON.

Command ==> KCPTASHT Task History Detail CICSpIex : OMEGPLEX Region : CICD6101

Details Statistics Storage Timings I/O Related

Select Timing Category:

WAIT ACTIVE DETAILED

Columns 1 to 4 of 4 Rows 1 to 6 of 6

ΔTime ▽Category	ΔTime ▽Spent	ΔPeriod ▽Count	ΔTime ▽Percentage
Program fetches wait	.003232s	1	████████████████████
Total wait	.000171s	5	
TCB change mode delay	.000148s	4	
Re-dispatch wait	.000146s	4	
QR TCB wait-for-dispatch	.000118s	2	
1st Dispatch delay	.000022s	1	

New table attribute additions:

- **Period Count** – number of measurement periods during which the Time Spent value was accumulated in the specified category.
- **Time Percentage** - percentage of the overall task's response time where task spent in the specified category.

Command ==> KCPTASHT Task History Detail Display : OMEGPLEX Region : CICD6101

Details Statistics Storage Timings I/O Related

Select Timing Category:

WAIT ACTIVE DETAILED

Columns 1 to 4 of 4 Rows 1 to 15 of 15

ΔTime ▽Category	ΔTime ▽Spent	ΔPeriod ▽Count	ΔTime ▽Percentage
Elapsed	.006847s	0	
Dispatch	.006676s	5	████████████████████
RO TCB elapsed	.005024s	1	████████████████████
Other TCBS elapsed	.005024s	1	████████████████████
CPU on General Purpose	.002012s	5	████████████████████
CPU	.002012s	5	████████████████████
QR TCB elapsed	.001640s	3	████████████████████
RO TCB CPU	.001502s	1	████████████████████
Other TCBS CPU	.001502s	1	████████████████████
QR TCB CPU	.000499s	3	████████████████████
Syncpoint elapsed	.000201s	1	████████████████████
RMI elapsed	.000052s	6	████████████████████
Key 8 TCB elapsed	.000011s	1	████████████████████
LE(L8-1) TCB CPU	.000010s	1	████████████████████
Key 8 TCB CPU	.000010s	1	████████████████████

Current Average Response Times

For each CICS region, where OMEGAMON is installed, The transaction rate and average response time will be calculated from the start of the prior minute.

If OMEGAMON is not initialized in a region, the response time will indicate **NO INIT**.

If the OMEGAMON level in a CICS region is below what is required to produce response time data the column will indicate **VERSION**.

File Edit View Tools Navigate Help 03/20/2025 11:57:37

Command ==> KCPRGNS(B) CICSpIex Regions Summary Auto Update : off
CICSpIex : FUWPLEX
Region :

Regions Summary for FUWPLEX

Columns 2 to 9 of 37 Rows 1 to 6 of 6

ΔCICS Region ▽Name	ΔCPU ▽Utilization	ΔTransaction ▽Rate	Average Response Time	ΔMaximum Tasks ▽Percent	Highest Pct Class MaxT	Total Queued Transactions	ΔSOS ▽	ΔStg. Violations ▽last hour
- FUWFWAR	0 0.3%	12.7/s	.005613s	0%	0%	0	No	0
- FUWFWA1	0 0.5%	23.5/s	.002500s	0%	0%	0	No	0
- FUWFWFR	0 0.2%	18.1/s	NO INIT	0%	0%	0	No	0
- FUWFWF2J	0 0.0%	0.0/s	0.00000s	0%	0%	0	No	0
- FUWFWIR	0 0.1%	11.6/s	NO INIT	0%	0%	0	No	0
- FUWFWTR	0 0.6%	36.3/s	.003657s	0%	0%	0	No	0

OMEGAMON CICS Global options

The important CICS global options can now be displayed in the Enhanced 3270 User Interface.

Select **C CICS Control functions** for a region and then **G CICS Global Options**.

Included in the information is the dataset name and volume where the global member resides.

The screenshot shows the OMEGAMON CICS Global options interface. At the top, the command 'KCPGLOB' is entered, and the system displays 'CICS Global options'. The region is identified as 'FUWFWAR'. Below this, a window titled 'Global options for CICS FUWFWAR' is open, displaying a list of options and their current settings. A second window titled 'Global Dataset' is also open, showing a table with two columns: 'Name' and 'Volume'.

Global Name	Value
Resource Limiting start	Noauto
Resource Limiting Message Dest	TDQ
Resource Limiting System Tasks	No
Resource Limiting Abend Cancel	Yes
Resource Limiting Trace Warned	Yes
Enable Application Trace	Noauto
Trace All Program Calls	No
Enable File Control Exits	No
Auto Restart	Yes
Online Data Viewing	Auto
Bottleneck Analysis	Auto

Name	Volume
RSTEST.KAN.RCE06C2.RKANPARU	R1PP0D

IBM Z OMEGAMON AI for CICS Integration

Using dashboards in the Web UI or in E3270UI, you can easily view data across CICS, Db2, MQ, and z/OS Connect





OMEGAMON AI FOR JVM

IBM Z OMEGAMON AI for JVM V6.1.0 Fix Pack 4

APAR [OA68582 \(UJ98744\)](#)

z/OS Connect CICS IPIC metrics

- Surfaces CICS IPIC definition in OMEGAMON for JVM
- Reports IPIC connection statistics
- Dynamically links to OMEGAMON CICS IPIC and TCPIP SERVICE metrics

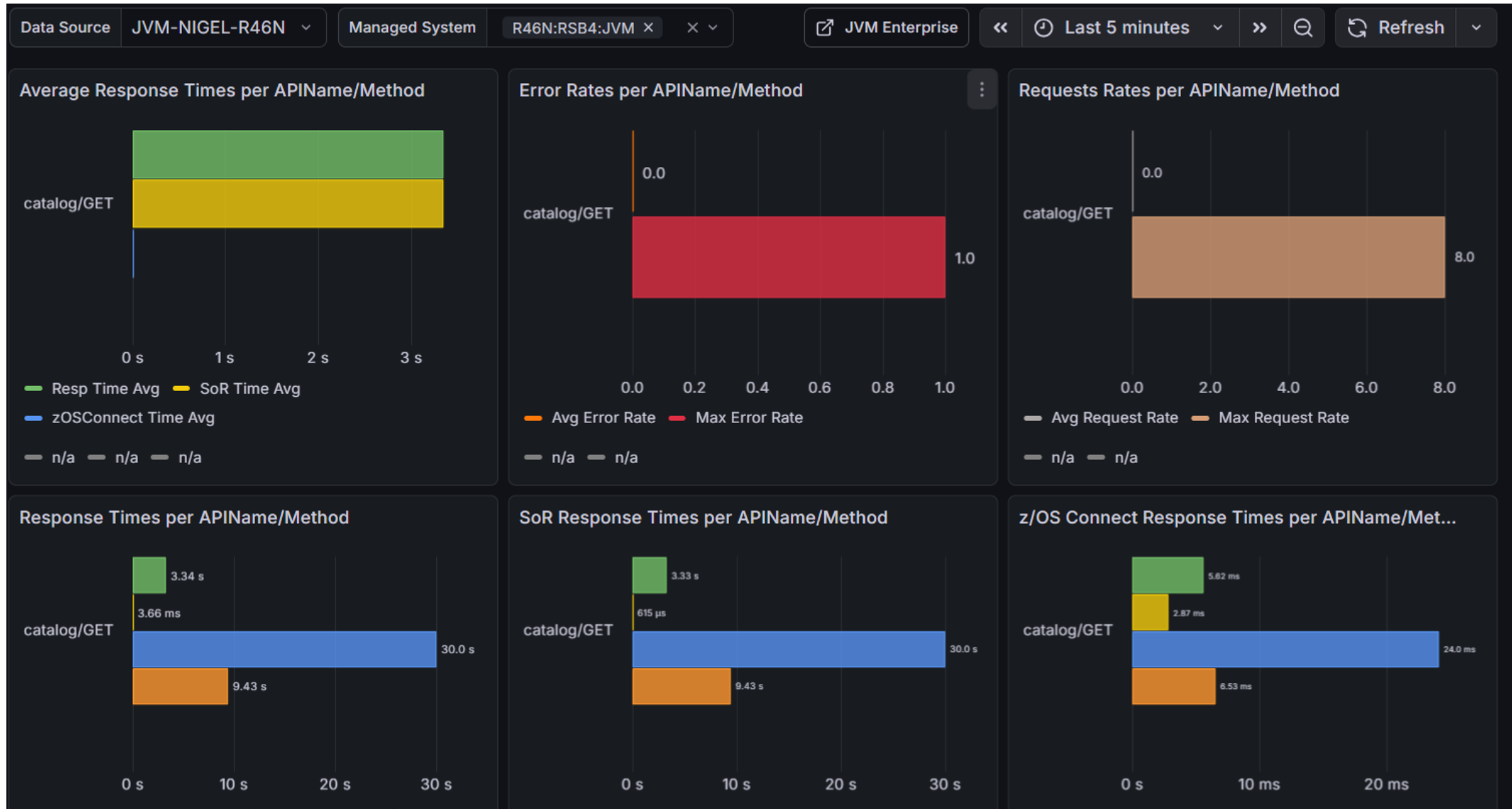
The screenshot displays the OMEGAMON AI for JVM interface. At the top, a menu bar includes 'File', 'Edit', 'View', 'Tools', 'Navigate', and 'Help', along with the date and time '12/09/2025 13:26:25'. Below the menu, the command 'KJJCOND*' is entered, and the title 'CICS Connection Detail for BAQAP003' is shown. The 'Auto Update' status is 'Off', 'SMF ID' is 'SB3', and 'Coll ID' is 'CSDK'. The connection details for PID: 50530440 ASID: 025C are as follows:

Field	Value	Field	Value
Connection ID	cicsConn	zOS Connect ApplID	N/A
IP Address	192.168.54.84	zOS Connect NetID	N/A
Host Name	rsb3	CICS Tran ID	N/A
Port Number	62597	CICS Tran ID Usage	N/A
Shared Port	N/A	Send Sessions	N/A
CICS Network ID	N/A	Retry Interval	N/A
CICS Appl ID	N/A	Request Timeout	11m
Auth Data Ref	N/A	Connection Timeout	N/A

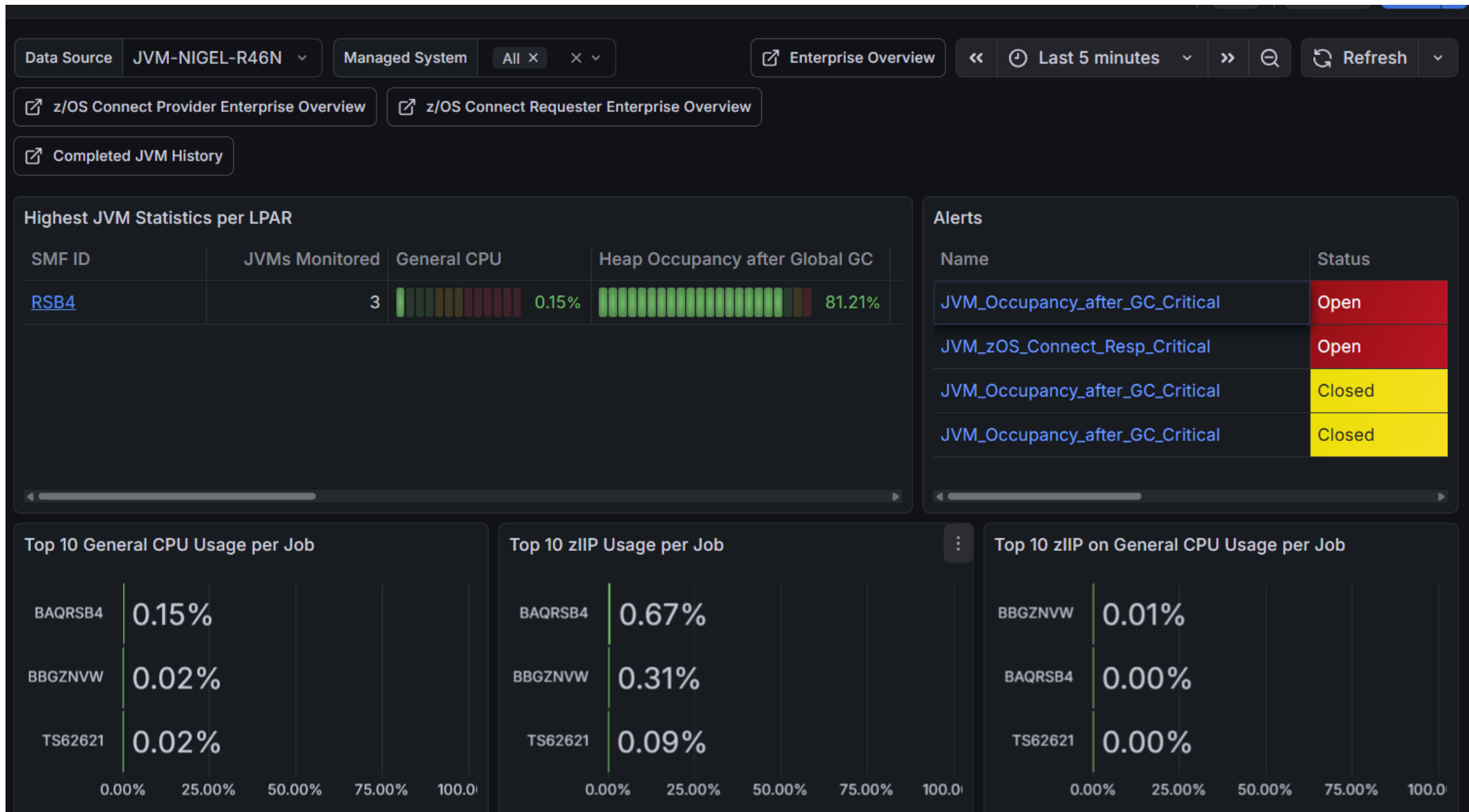
Below the connection details is the 'CICS TCP/IP Service Statistics Summary' table:

Columns	2 to 10 of 10						Rows	1 to 1 of 1	
CICS Region Name	TCPIP SERVICE Name	Current Connections	Peak Connections	Number of Receives	Bytes Received	Number of Sends	Bytes Sent	Tran ID	Open Statu
CICD63HX	ZCRBKO3	2	2	52	4,861	24	6,352	CISS	Open

z/OS Connect Response Times



OMEGAMON AI for JVM alerts – with z/OS Connect





OMEGAMON AI FOR STORAGE

IBM Z OMEGAMON AI for Storage V6.1.0 Fix Pack 1

APAR [OA67240](#) / [PTF UJ96553](#)

Expanded zIIP Offloading

- Now includes zIIP offload support for all Datasets and Dataset Attributes Collection
- Reduces general processor (CP) load while increasing zIIP usage (results vary)
- Controlled via parameter: KS3_ZIIP_OFFLOAD=YES|NO (default: YES)

Reduced Payload Size for Real-time Dataset Metrics (RDM)

- Data transferred between RDM plugin in Zowe and IBM Z OMEGAMON AI for Storage 6.1 in TEMS
- Result: Lower network usage and CPU consumption

New Cleanup Parameter for Storage Toolkit

- New parameter: KS3_TOOLKIT_DELETE_AFTER_DAYS
- Default = 0 (disabled) Allows automatic deletion of Storage Toolkit results older than a set number of days.
- Example: Set to 365 to delete results over a year old at each startup.

More feature highlights in V6.1.0 added in 2025

Show online/offline devices for various classes

- Tape
- DASD
- Display,
- Unit Record
- C2C Adapter
- Communications.

Volume Event Feature

- Track Volume ONLINE/OFFLINE status change

Catalog Data

- Catalog datasets and how many times they could be extended on the volume
- Number of Aliases, Alias Density, HARBA, HURBA and other various fields

Web UI Dashboards for Storage

Home > Dashboards > 7. Storage > Storage Enterprise overview

Search... ctrl+k +

☆ Edit Export Share

Data Source Storage Managed Systems All x x

Storage groups Volumes HSM Summary RMM Summary Cache control unit Logical control unit

Last 24 hours Refresh

Dataset Information

Top 30 space used by storage g...

Storage Group	Space Used (%)
GITSG1	~95
ZFSG1	~85
DB2G1	~75
IFK4	~65
TDSHR	~55
IFK2	~45
GITSG2	~35
RCKG1	~25
TSOG1	~15
CXSG1	~10
PRIVATE	~5
IFK1	~4
IFK6	~3
IFK5	~2
IFK3	~1
IFSJ	~1
ICK2	~1
IEK1	~1
IEK2	~1
IDK1	~1
IDK2	~1
HSMG1	~1
IESJ	~1
EMCCXG1	~1
DEVG1	~1
HSMG2	~1
ICK1	~1
EAVG1	~1
ASGSHR	~1
SYSG2	~1

Top 5 HSM active request counts by Managed system

Managed System	Request Count
S3TMS61C:RSB6:STORAGE	0

Top 15 High busy percent by Storage group

Storage Group	Busy Percent
PRIVATE NON-SMS VOLUMES	1.4%
RCKG1	0.2%
GITSG1	0.0%
ZFSG1	0.0%
DB2G1	0.0%
IFK4	0.0%
TDSHR	0.0%
IFK2	0.0%
GITSG2	0.0%
TSOG1	0.0%
CXSG1	0.0%
IFK1	0.0%
IFK6	0.0%
IFK5	0.0%
IFK3	0.0%
IFSJ	0.0%
ICK2	0.0%
IEK1	0.0%
IEK2	0.0%
IDK1	0.0%

Bottom 5 minimum free space percent by HSMplex

HSMplex Name	DDNAME	Percent Free Space Data Component	Managed System
ARCPLEX0	BAKCAT	35.3%	S3TMS61C:RSB6:STORAGE
ARCPLEX0	MIGCAT	72.9%	S3TMS61C:RSB6:STORAGE
ARCPLEX0	JOURNAL	81.8%	S3TMS61C:RSB6:STORAGE
ARCPLEX0	OFFCAT	90.7%	S3TMS61C:RSB6:STORAGE

Top 5 maximum Percent Used by RMM dataset

Dataset Type	Catalog Entry Type	Dataset Name	RMM Percent Used	Managed System
Journal	NonVSAM	RSPROD.RMM.JOURNAL	32%	S3TMS61C:RSB6:STORAGE
Master_CDS	Data_Component	RSPROD.RMM.CONTROL.DATA	11%	S3TMS61C:RSB6:STORAGE
Master_CDS	Index_Component	RSPROD.RMM.CONTROL.INDEX	11%	S3TMS61C:RSB6:STORAGE
Master_CDS	Cluster	RSPROD.RMM.CONTROL	0%	S3TMS61C:RSB6:STORAGE

Top 25 maximum high volume M...

Dataset Name	Value
024	0.24
036	0.36
075	0.75
054	0.54
08C	0.8C
08B	0.8B
032	0.32
038	0.38
030	0.30
078	0.78
087	0.87
035	0.35
02E	0.2E
037	0.37

TOP 10 maximum channel path I...

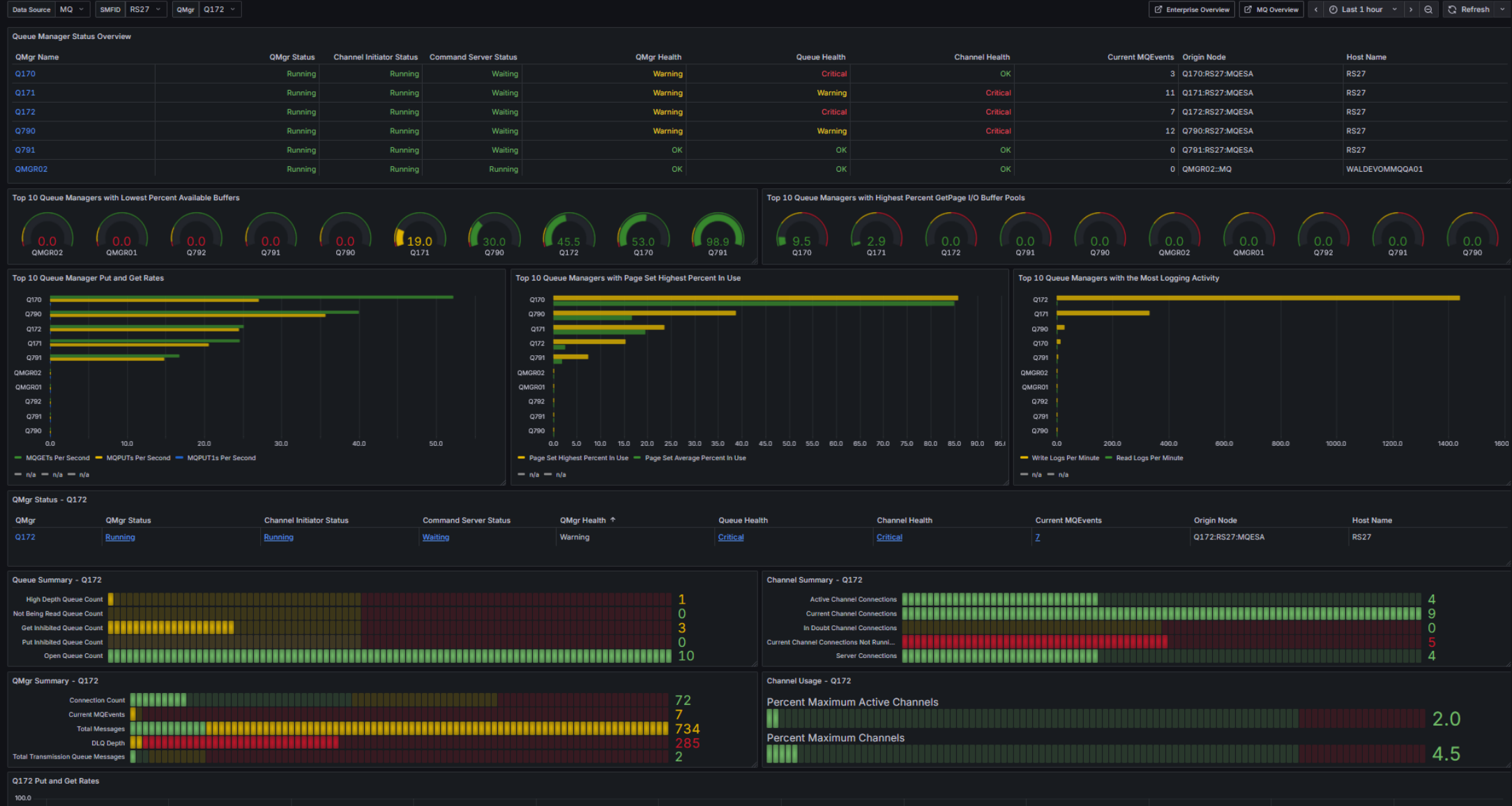
Channel Path	Value
023	146.64
034	110.45
05B	50.70
024	38.05
022	37.63
054	36.03
020	18.04
077	15.25
08C	4.75
046	4.52
036	3.81
033	2.91
03A	2.81
030	2.72



OMEGAMON FOR MESSAGING

IBM OMEGAMON for Messaging on z/OS V7.5.0 Dashboards

Several Grafana dashboards are now available for viewing monitoring data



IBM OMEGAMON for Messaging on z/OS V7.5.0 Fix Pack 8

Adds enhanced 3270UI admin capabilities for queue managers, queues, and channels

KMQQMA2 Alter extended QK21 properties QmgrName : QK21

EX1 EX2 CL COM EV SSL MON CH1 CH2 PS

Dead-letter queue: QK21.DEAD.QUEUE
Select Queue

Trigger interval: 999999999 Max uncommitted mess.: 10000
Max handles: 256 Expiry interval (sec.): 259200

IGQ user ID: Authority type: Default

Opening shared queues: Intra-group queuing:
 Use qmgr specified Enabled
 Use local QM Disabled
Max properties length: Message mark browse interval:
 Unrestricted length 5000

Update Cancel

Alter Queue Manager

Backup Queue Manager Action

KMQQAL2 Alter extended KM.SHARED.TEST1 properties QmgrName : QK21

GEN EX1 EX2 CL TR1 TR2 EV STOR STAT CST

Maximum queue depth: 99999
Maximum message length (bytes): 4194304
Retention interval (hours): 999999999

Shareability: Default input open option:
 Shareable Input exclusive
 Not shareable Input shared

Default put response: Message delivery sequence:
 Synchronous Priority
 Asynchronous FIFO

Maximum message expiry (tenths of a seconds):
 No limit / Not applicable

Update Cancel

Alter and Create Queue

Alter and Create Channel

KOBSEDTA Situation Editor (MQSeries_Automation_Backup_QMgr Sys ID :)

Formula Distribution Advice Action EIF Until

System Command

Enter 'S' below to view or change complete values

Command S MQ75MQBU, MQ=&{Managers.MQ_Manager_Name}

When First item Only take action on first item

Where Agent Run at the Managed System (Agent)

Frequency Once Must go false then true again

KMQCASD3 Alter extended QK21.TO.QK20 properties QmgrName : QK21

GEN1 GEN2 EX1 EX2 MCA/Exits LU6.2/Ret SSL/Stat

Maximum message length (bytes): 4194304
Heartbeat interval: 300
Sequence number wrap: 999999999
Keep alive interval (seconds): Auto

Batch size: 50
Batch interval (milliseconds): 0

Non-pers. message speed:
 Fast Normal

Message compression: None ZLIBFAST ZLIBHIGH RLE Any
Header compression: None System

Update Cancel

IBM OMEGAMON for Messaging on z/OS V7.5.0 Fix Pack 8

Now you can bookmark your favorite workspaces in the enhanced 3270UI

Command ==> bookmark
 HostName : R
 QmgrName : Q

KMQQUESD(B) Queue Status Details

Status **Statistics** Parameters SMFStatistics

Qmgr QK20 Queue A5.S1.APP.IN.Q1

Current Depth.....	1	Queue Monitoring.....	Me
Uncommitted Msgs.....	No	Short Term Queue Time.....	100
Output Opens.....	1	Long Term Queue Time.....	79
Input Opens.....	1	Oldest Msg Age.....	
Last Put Date.....	12/19/24	Last Get Date.....	12/1
Last Put Time.....	16:46:20	Last Get Time.....	16:4

Command KOBADDAL Add Alias/Bookmark for workspace KMQQUESD

Alias Name . . . : WATCHQ
 Description . . . : Queue Status Details
 Replace existing : N (Yes or No)
 Alias Panel ID . : KMQQUESD

OK Save CANCEL

Current Uncomm Output Input
 Last Put Date..... 12/19/24 Last Get Date..... 12/19/24
 Last Put Time..... 16:46:20 Last Get Time..... 16:46:20

Profile Save As

Confirm your profile name:
 Member Name . : TS6265

You may use the name CUASITE instead of TS6265 so that the saved profile applies to all users of the TOM that do not have their own unique profile.

Press ENTER to save profile.
 Press CANCEL or F12 to cancel save.

Command ==> WATCHQ
 KOBASMQ * OMEGAMON Products

Events MQ IIB

IBM MQ Queue Manager Status

Columns 2 to 5 of 7 Rows 1

KMQQUESD(B) Queue Status Details QmgrName : QK20

Status **Statistics** Parameters SMFStatistics

Qmgr QK20 Queue A5.S1.APP.IN.Q1

Current Depth.....	1	Queue Monitoring.....	Medium
Uncommitted Msgs.....	No	Short Term Queue Time.....	1002343
Output Opens.....	1	Long Term Queue Time.....	1050037
Input Opens.....	1	Oldest Msg Age.....	0
Last Put Date.....	12/19/24	Last Get Date.....	12/19/24
Last Put Time.....	16:51:43	Last Get Time.....	16:51:43

Queue Usage.....	Normal	Definition Type.....	Predefin
% Full.....	0.0	Max Depth.....	5000
Get Status.....	Enabled	Trigger Control.....	Off
Put Status.....	Enabled	Trigger Type.....	First
Default Persist.....	No	Trigger Priority.....	0
Default Priority.....	0	Trigger Depth.....	1
Msg Delivery Sequence.....	Priority	Initiation Queue Name.....	
Streaming Queue Name.....		Process Name.....	
Creation Date.....	11/22/22	Alter Date.....	04/23/24
Creation Time.....	08:54:21	Alter Time.....	17:34:21

Applications with Open Handle for Queue

Columns 2 to 7 of 22 Rows 1 to 2 of 2

App1 Tag	App1 Type	ASID	User ID	Open for Input	Open for Output	Open for Brow
A5S1GET	BATCH	03D2	TS6265	Exclusive	No	No
QK2OCHIN	CHINIT	0241	CSQSTC	No	Yes	No

IBM OMEGAMON for Messaging on z/OS V7.5.0 Recent Updates

Other changes include:

- Add more Log Data Set Status attributes about Relative Byte Address (RBA) usage, like queue manager start RBA, percent RBA used, and percent RBA increased (since queue manager start) so that you can check the usage occurring in your queue managers.
- Add agent standard start WTO messages for detection that your agent started okay or with errors.
- Improve Channel Status performance when multiple situations are active.
- Add SET SMF agent parameter statement to optionally allow changing defaults for SMF capture, such as for limiting agent to process only certain SMF Type 115 subtypes.
- Add the version of queue manager to first workspace.
- Add options available on the first workspace for fast-path to details about queues and channels.
- Add optional fast start workspace for KOBSMQ showing monitored queue managers with all the usual options available for each.
- Make several currency and quality updates.

IBM OMEGAMON for Messaging on z/OS V7.5.0 Recent Updates

Latest levels to install, which will pull in all these nice updates:

HKMQ750:

APAR: [OA68732](#)
PTF: [UJ98755](#)

Fix Pack in Fix Central: [7.5.0-TIV-KMQ-FP0009](#)

HKQI750:

APARs: [OA68731](#) [OA67490](#)
PTFs: [UJ98756](#) [UJ96730](#)

Fix Pack in Fix Central: [7.5.0-TIV-KQI-FP0009](#)

Command ==> KOBSMQ OMEGAMON Products

Events MQ IIB

IBM MQ Queue Manager Status

Columns 2 to 8 of 8

QMgr Name	Host Name	QMgr Status	Channel Initiator	Command Server	Sysplex Name	LPAR Name	Version
QK20	RSB2	Stopped	Stopped	Stopped	RSPLEXOK	RSB2	09.03.00.00
QK21	RSB2	Stopped	Stopped	Stopped	RSPLEXOK	RSB2	09.03.05.00
Q290	RSB2	Running	Running	Waiting	RSPLEXOK	RSB2	09.00.00.00
Q29C	RSB2	Running	Running	Waiting	RSPLEXOK	RSB2	09.02.05.00
QK22	RSB2	Running	Running	Waiting	RSPLEXOK	RSB2	09.04.03.00
Q291	RSB2	Running	Running	Waiting	RSPLEXOK	RSB2	09.01.00.00
Q390	SB3	Running	Running	Waiting	RSPLEXOK	RSB3	09.00.00.00
Q39C	SB3	Running	Running	Waiting	RSPLEXOK	RSB3	09.03.00.00
QK31	SB3	Running	Running	Waiting	RSPLEXOK	RSB3	D2.0J.AN.26

Command ==> KOBSMQ OMEGAMON Products

Events MQ IIB

Type Qmgr Name to bypass options below: _____

Go

Usual/default KOBSMQ

Optional fast-start KOBSMQ

Monitored IBM MQ Queue Managers

Columns 2 to 5 of 5

Name	Online Status	QMgr Node Name	Agent Node Name	Agent Version
RSB2				
- QK20	*ONLINE	QK20:RSB2:MQESA	RSB2:MQIRA	07.50.09
- QK21	*ONLINE	QK21:RSB2:MQESA	RSB2:MQIRA	07.50.09
- QK22	*ONLINE	QK22:RSB2:MQESA	RSB2:MQIRA	07.50.09
- Q29C	*ONLINE	Q29C:RSB2:MQESA	RSB2:MQIRA	07.50.09
- Q290	*ONLINE	Q290:RSB2:MQESA	RSB2:MQIRA	07.50.09
- Q291	*ONLINE	Q291:RSB2:MQESA	RSB2:MQIRA	07.50.09
SB3				
- QK31	*ONLINE	QK31:SB3:MQESA	SB3:MQIRA	07.50.09
- Q39C	*ONLINE	Q39C:SB3:MQESA	SB3:MQIRA	07.50.09
- Q390	*ONLINE	Q390:SB3:MQESA	SB3:MQIRA	07.50.09



OMEGAMON FOR IMS

2025: Significant Improvements and Enhancements

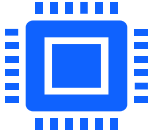
The New and Improved IMS Agent



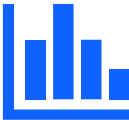
User Experience



Performance & CPU improvements



Responsiveness

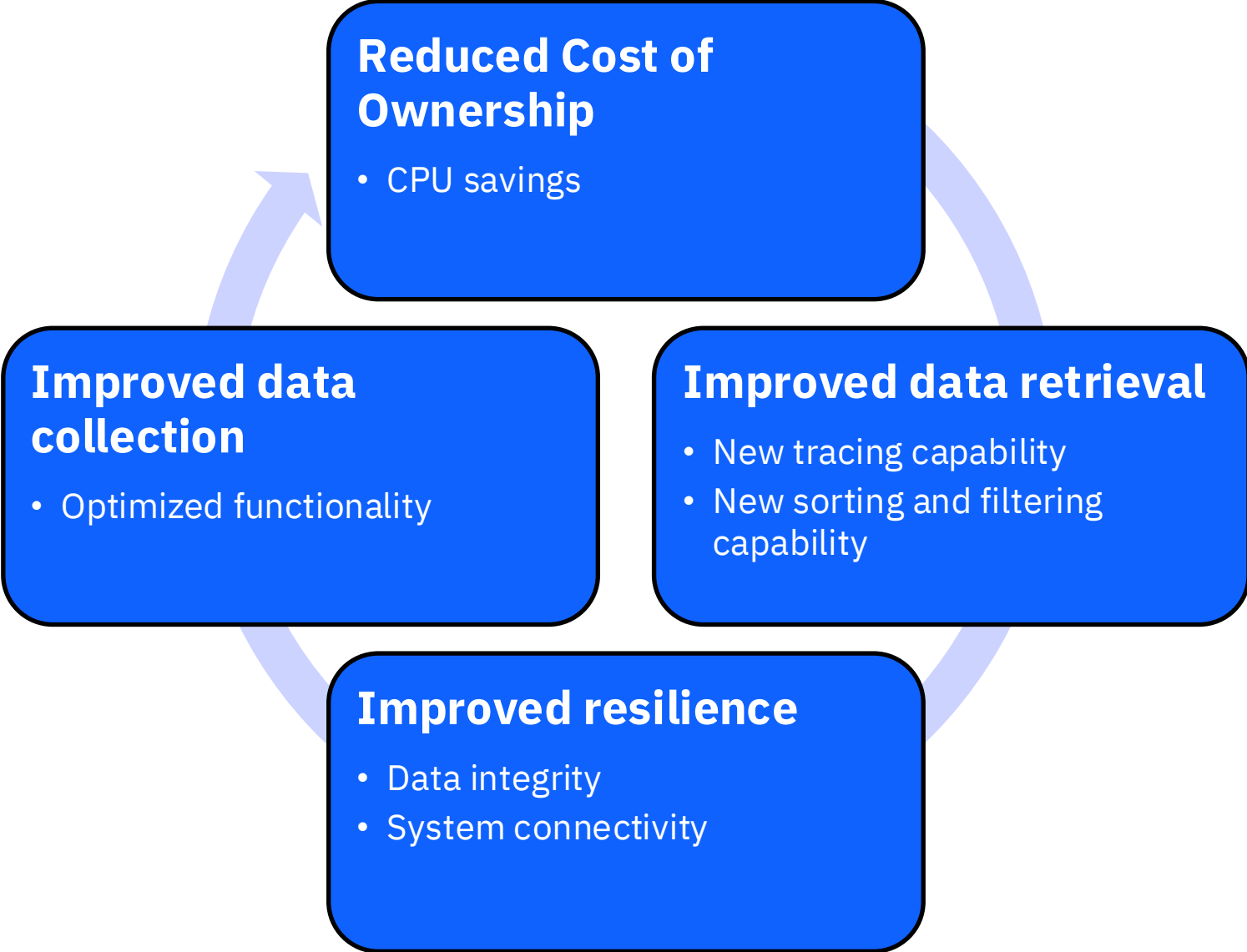


Modernization



Resilience

2025: Highlights



OMEGAMON for IMS monitoring in OMEGAMON Web UI

Home > Dashboards > 9. IMS > IMS Overview

Search... ctrl+k + - 🔍

Add Settings Exit edit Save dashboard

Data Source: Pluto Gateway | IMSID: All x x

Enterprise Overview IMS Enterprise Last 5 minutes Refresh

IMS Subsystem

IMS ID	MVS ID	Sysplex Identifier	IMSpIex Name	DSGroup Name	SQGroup Name	Region Count	Total CPU Percent	Total Transaction Q	Total Transaction R	Lock Waiters	Total IO Rate	Total Paging Rate	Total ENQ Rate
IFDE	RSC2	RSPERFOP	PLXDE			79	3.18	13	100.60	0	6796.20	0.00	100.80
IFA6	RSC2	RSPERFOP	BLFA5	IFA567DS	DFSGIFA5	138	0.39	0	47.00	0	417.00	0.00	47.00
IFA5	RSC1	RSPERFOP	BLFA5	IFA567DS	DFSGIFA5	138	0.25	0	39.40	0	391.60	0.00	39.40
IFA7	RSC3	RSPERFOP	BLFA5	IFA567DS	DFSGIFA5	138	0.22	0	49.60	0	441.40	0.00	49.60

- IMS Health
- Dependent Regions
- Address Spaces
- Lock Conflicts

1 - 4 of 4 rows

Top 10 IMS by CPU Percent

IMS ID	Total CPU Percent
IFDE	3.18
IFA6	0.39
IFA5	0.25
IFA7	0.22

Top 10 IMS by I/O Rate

IMS ID	Total IO Rate
IFDE	6796.20
IFA7	441.40
IFA6	417.00
IFA5	391.60

Top 10 IMS by Transaction Queue

IMS ID	Total Transaction Q
IFDE	13
IFA5	0
IFA6	0
IFA7	0

Top 10 IMS by Transaction Rate

IMS ID	Total Transaction R
IFDE	100.60
IFA7	49.60
IFA6	47.00
IFA5	39.40

Top 10 IMS by Lock Waiters

IMS ID	Lock Waiters
IFA5	0
IFA6	0
IFDE	0
IFA7	0

Top 10 IMS by ENQ Rate

IMS ID	Total ENQ Rate
IFDE	100.80
IFA7	49.60
IFA6	47.00
IFA5	39.40

Top 10 IMS by DEQ Rate

IMS ID	Total Transaction R
IFDE	100.60
IFA7	49.60
IFA6	47.00
IFA5	39.40

Top 10 IMS by Paging Rate

IMS ID	Total Paging Rate
IFA5	0.00
IFA6	0.00
IFDE	0.00
IFA7	0.00

Top 10 IMS by Affinity Count

IMS ID	Affinity Count
IFA5	0
IFA6	0
IFDE	0
IFA7	0

2025: Ideas and APARs Delivered

Ideas Delivered

- OMEG4IMS-I-30 Clients can easily see status and occupancy of different IMS pools in real time, and be able to set high water marks to trigger alerts and help with capacity planning
- OMEG4IMS-I-28 Increased the number of rows returned by Application Trace Facility (ATF) in the e3270UI so that clients can get more ATF data based on their environment's needs
- OMEG4IMS-I-24 Added the ability to filter by Response Time / Queue time in ATF to capture all transactions that, maybe its elapsed time its good, but it had some queue time or response time before starting its execution
- OMEG4IMS-I-22 Added row-Level access for all KI2_CLASSIC_ATF_* parameters to help preserve settings when a GENERATE is executed
- OMEG4IMS-I-11 Changes in KIPIMTRP can be dynamically activated in IMS Commander
- OMEG4IMS-I-9 When reviewing ATVW and ATVD panels clients can now get details about z/OS Connect invocations
- OMEG4IMS-I-16 On panel KIPDEPS (e3270UI), added the ability to filter by Class
- OMEG4IMS-I-15 On panel KIPDEPS (e3270UI), added the ability to list only PWFI regions
- OMEG4IMS-I-8 On panel KIPDEPS (e3270UI), added the ability to include a column with the defined classes for each the regions
- OMEG4IMS-I-14 On panel KIPDEPS (e3270UI), added the ability to show a column identifying which regions are PWFI=Y
- OMEG4IMS-I-12 Clients can see IMS transactions that were called by an API (like from z/OS Connect)
- OMEG4IMS-I-1 Clients can see IMS transactions abends info in the e3270ui

APARs Delivered

- OA68964 RTA improvements
- OA68476 Misc. improvements and fixes
- OA67991 Support z/OS 3.2
- OA68590 E3270UI improvements
- OA68469 ATF query performance improvement
- OA68318 ATF maintenance
- OA68171 Security
- OA68002 Security
- OA68060 ATF maintenance
- OA67736 IMS 15.6 toleration
- OA67818 ATF maintenance
- OA67448 Commander support plex-wide Type-2 commands
- OA67658 Usability improvement for Classic startup
- OA67385 ATF grouping improvement for queries
- OA67491 Java certificate update
- OA67323 RTA improvement for shared Q
- OA67324 Commander maintenance for /STOP REGION command
- OA67210 Misc. ATF improvements and fixes



OMEGAMON LIFECYCLE UPDATES

Releases and lifecycle

Upcoming end of Support

August 31, 2026 - [Announcement](#)

- **IBM Z Service Management Suite 1.8.x^{1,2}**
- **IBM OMEGAMON for z/OS 5.x.x³**
- **IBM OMEGAMON for Networks on z/OS 5.x.x³**
- **IBM OMEGAMON Dashboard Edition on z/OS 5.x.x⁴**

April 30, 2027 - [Announcement](#)

- IBM Z Service Management Suite 2.2.x
- IBM OMEGAMON for Db2 Performance Expert on z/OS 5.5.x

June 30, 2027 - [Announcement](#)

- IBM Z Service Management Suite 2.3.x, and 2.4.x
- IBM Z Monitoring Suite 1.3.x, and 1.4.x
- IBM Z OMEGAMON for CICS 5.6.x

Passed end of Support

April 30, 2025 - [Announcement](#)

- IBM Z OMEGAMON for CICS on z/OS 5.5.x

April 30, 2025 - [Announcement](#)

- IBM Z OMEGAMON for JVM 5.x.x

August 29, 2025 - [Announcement](#)

- IBM Z OMEGAMON for Storage 5.4.x

November 30, 2025 - [Announcement](#)

- IBM Z Monitoring Suite 1.2.x

December 31, 2025 - [Announcement](#)

- **IBM Z Service Management Suite 1.7.x^{1,2}**

New Solution Releases

June 2025 - [Announcement](#)

- IBM Z OMEGAMON Data Requester 1.1 (Grafana® plugin – foundation for Web UI)

November 11, 2025 – [Announcement](#)

- IBM Z OMEGAMON Web UI 2.1
- IBM Z OMEGAMON AI Insights 2.2
- IBM Z Service Management Suite 3.3
- IBM Z Monitoring Suite 2.3
- IBM Z Integration for Observability 6.3

¹ Clients with Service Management Suite V1.x can migrate / upgrade to Service Management Suite V3.

Contact your IBM representative.

² Clients moving to Db2 13 **must** upgrade to IBM Z OMEGAMON AI for Db2 6.1.

³ Clients with OMEGAMON for z/OS and OMEGAMON for Networks on z/OS 5.5 can migrate / upgrade to OMEGAMON AI for z/OS V6.1 and OMEGAMON AI for Networks V6.1.

Contact your IBM representative.

⁴ Clients with OMEGAMON Dashboard Edition on z/OS can trade up to IBM Z Integration for Observability V6.x.

Contact your IBM representative.



OMEGAMON ENGAGEMENT

Be part of the OMEGAMON Story

Customer Advisory Council

Provide critical feedback on the current and future state of IBM OMEGAMON.

Either in-person events at IBM TechXchange or two virtual events.

Active Betas

Ask to participate in the ongoing product enhancements coming to OMEGAMON.

Regional Events

Regional events are being planned throughout the year to engage with OMEGAMON experts. Keep an eye out on the IBM Z Community Blogs and your local IBM team!

<https://ibm.biz/omegamon-community>

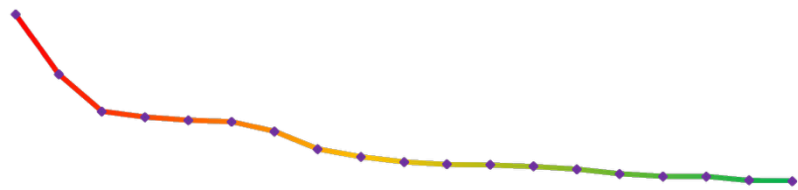


Are you in control of your Monitoring CPU Costs?

We've worked with many customers and the results were staggering

(CPU s / min) / LPAR

- Each point on this graph is a different customer
- All of them were interested in tuning
- Some appreciated where they were



Do you know where you stand?

“The tuning resulted in more than 50% CPU savings for OMEGAMON tasks.”

– Claus Ejner Mikkelsen, Leading Financial Services Group in the Nordics

Upgrade to the latest versions for the best performance

Faster, more efficient architecture

Lower costs through zIIP offload

Ongoing performance improvements

Book a free 30-min tuning session. Email zconcierge@rocketsoftware.com

Experience more with IBM



Visit us at the IBM Booth #113

After a full day of technical sessions, take a break with us!

Connect with our experts, snap a photo with the z17 Plexi or the latest Telum II, and get an up-close look at our Spyre Accelerator.

Come back each day for fresh topics and demos at our expert stations.

Think 2026

Join 5000+ senior business and technology leaders who are seizing the AI revolution to unlock unprecedented growth and productivity at **Think 2026**.

Find out more information using the QR code below.



IBM Digital Asset Haven

IBM Digital Asset Haven is the operational backbone for financial institutions and regulated enterprises entering the digital asset economy.

Find out more information using the QR code below.



Session feedback

Thank you

© 2026 International Business Machines Corporation

IBM and the IBM logo are trademarks of IBM Corporation, registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of IBM trademarks is available on <https://www.ibm.com/legal/copyright-trademark>.

This document is distributed “as is” without any warranty, either express or implied. In no event, shall IBM be liable for any damage arising from the use of this information, including but not limited to, loss of data, business interruption, loss of profit or loss of opportunity.

Client examples are presented as illustrations of how those clients have used IBM products and the results they may have achieved. Actual performance, cost, savings or other results in other operating environments may vary.

Not all offerings are available in every country in which IBM operates.

Any statements regarding IBM’s future direction, intent or product plans are subject to change or withdrawal without notice.

All names and references for organizations and other business institutions used in this deliverable’s scenarios are fictional. Any match with real organizations or institutions is coincidental. All names and associated information for people in this deliverable’s scenarios are fictional. Any match with a real person is coincidental. Videos may show information about or belonging to third parties. Such videos do not suggest endorsement of third parties or their products or services.