



ASG-TMON®

Monitor and Manage Mainframe Performance and Health

ASG-TMON®

The ASG-TMON® suite of products enable you to monitor and manage the health, availability, and performance of IBM Z mainframe resources that power your end-to-end business value streams. ASG-TMON® accomplishes this through a highly integrated set of performance monitors. ASG-TMON® monitors are also integrated with ASG-TMON® Performance Analyzer to simplify capacity management and reporting.

ASG-TMON® HEALTH MONITOR

ASG-TMON® Health Monitor enables you to measure and compare key performance indicators (KPIs) and metrics for mainframe health based on IBM and industry best practices. Health Monitor provides a view of mainframe system health to help you quickly home in on anomalies—including how many and at what time—that are occurring based on business value stream, KPI, system and domain.

The Health Monitor summary view provides a heat map of anomalies (i.e. alerts) by business view and helps you quickly identify where problems are occurring at a value stream level. By selecting a business view in the heat map, you can begin to drill into what distinct anomalies are occurring on monitored systems in that value stream, based on the KPIs they are measured against.

The screenshot displays the ASG-TMON Anomaly Summary interface. At the top, it shows 'JOBNAME: FIW10TMP', 'Anomaly Summary', and 'DATE: 02/03/21'. Below this, it indicates 'SYSID: SYST' and 'TIME: 14:11:45'. The 'COMMAND:' field is empty, and the 'CYCLE:' is 'MHSS'. A 'Menu' option is visible. The main data area is a table with columns for 'Date: < 2021/02/03 >', 'Hour: < 14:00 >', and 'CurrentSpan'. The table has 10 columns for time intervals: 'Total', '02/03 07:00', '02/03 08:00', '02/03 09:00', '02/03 10:00', '02/03 11:00', '02/03 12:00', '02/03 13:00', and '02/03 14:00'. The rows represent business views: 'BV04', 'BV03', 'BV02', 'BV01', and 'bt_to_mob_mapping'. The data is color-coded, with red indicating anomalies. The bottom of the screen shows 'HELP INFORMATION = PF1', 'S-CSF1W', 'FIW10TMP', and 'PF KEY ASSIGNMENTS = PA1'.

Business View	Total	02/03 07:00	02/03 08:00	02/03 09:00	02/03 10:00	02/03 11:00	02/03 12:00	02/03 13:00	02/03 14:00
BV04	865	0	0	16	58	60	56	58	11
BV03	4,385	0	0	120	300	347	324	335	81
BV02	865	0	0	16	58	60	56	58	11
BV01	9,990	0	0	120	301	370	385	491	102
bt_to_mob_mapping	4,214	0	0	86	181	203	240	352	127

Dynamic solution for monitoring every area of IBM z/OS across every partition in your enterprise

ASG-TMON® MONITORS

- ASG-TMON® for Z/OS
- ASG-TMON® for z/VSE
- ASG-TMON® for MQ
- ASG-TMON® for TCP/IP
- ASG-TMON® for VTAM
- ASG-TMON® for IMS
- ASG-TMON® for DB2
- ASG-TMON® for CICS TS for z/OS
- ASG-TMON® Change Manager for CICS TS
- ASG-NaviPlex®
- ASG-NaviGate™

ASG-TMON® TECHNOLOGY INTEGRATION

ASG-TMON® provides powerful data externalization for use in third-party products via RESTful APIs, z/OS APIs, Export and Data Extraction utilities.

Two robust technologies are at the heart of ASG-TMON® product integration:

ASG-NaviGate™

It is a hyperlink-like technology that manages the seamless transfer of control from one ASG-TMON® to another in context. ASG-NaviGate technology is built into every ASG-TMON®, providing true cross-product integration that enables intelligent connectivity.

- Product-to-product communication initiated automatically by each ASG-TMON® product
- Built-in connection points similar to “hyperlinks” that immediately transfer you to the appropriate screens in another ASG-TMON® product

ASG-TMON® Strategic Services (TSS)

It is ASG’s core set of services used by every ASG-TMON® product. TSS is a distributed architecture on the z/OS platform that Sysplex-enables all ASG-TMON® products and affords ASG a technological advantage over other vendors. TSS is used to distribute a standard set of services over one or more Sysplex instances connected by the IBM Cross System Coupling Facility (XCF) group.

JOBNAME : NASTCE		ACTIVE TASKS							
APPLID : NASTCE		TIME : 15:32:28							
COMMAND :		CYCLE : MMSS							
		SNXT SNGL							
LINES: 6 TO 21 OF 37		FA=Y SORT COL: MC SEQ: A							
APPLID	TRAN	TASK	CURRRESP	TERM	TOT-CPU	CURRWAIT	TOT-IO	USERID	PAGE
*	*	*	*	*	*	*	*	*	*
ESWDC51S	CEPF	00023	32:40:04		0.0010	32:40:04	0		0
ESWDC51S	CEX2	00025	32:40:01		0.7955	21.8508	0		0
ESWDC51S	CSHQ	00028	32:40:00		0.0227	32:22.33	35		0
ESWDC51S	CISR	00031	32:40:00		0.0012	32:40:00	0		0
ESWDC51S	CISE	00032	32:40:00		0.0010	32:40:00	0		0
ESWDC51S	CISM	00033	32:40:00		0.0010	32:40:00	0		0
ESWDC51S	CISP	00034	32:40:00		0.1454	54.0949	0		0
ESWDC51S	VSSB	00036	32:39:59		0.0019	32:39:59	2	CICSUSER	0
ESWDC51S	CSNE	00040	32:39:34		0.0033	32:39:34	0		0
T42EDU01	CSXM	00001	9:43.887		0.0001	62:19:31	0		0
T42EDU01	CSXM	00003	32:40:01		0.7955	62:19:31	0		0
T42EDU01	CSOL	00004	749:31		0.0020	62:19:31	0		0
T42EDU01	CEPM	00005	749:31		0.0010	62:19:31	0		0
T42EDU01	CSSY	00006	749:31		0.0024	62:19:31	1		0
T42EDU01	CSSY	00007	749:31		0.0001	62:19:31	0		0
T42EDU01	CPLT	00008	749:31		0.0111	15:32:27	3		0

HELP INFORMATION = PF1 S-QA029A NASTCE PF KEY ASSIGNMENTS = PA1

Easily view all running transactions to spot any problems

ASG-NAVIPLEX®

ASG-NaviPlex combines availability and performance data from all ASG-TMON®s into one Windows client application and consolidates all ASG-TMON®-generated exceptions enterprise-wide on one screen. From one ASG-NaviPlex client you can monitor and manage the health and performance of system resources running in all images on every Sysplex in your environment. With a few clicks of a mouse, you can determine performance bottle-necks, track exceptions, and resolve problems quickly. The family of ASG-TMON® performance monitors can supply data from any Sysplex image to ASG-NaviPlex so you can easily identify enterprise-wide performance issues.

ASG-NaviPlex provides out-of-the-box reports and graphs. It has automated actions based upon triggered exception criteria such as “Capture a Graph” and exception data, sends SNMP, email, and z/OS WTO messages, and posts information to a web page. ASG-NaviPlex also allows drill down to the TMON® Monitor that reported the data being investigated for further analysis and resolution.



You can now view the same data in a graphical interface with our Naviplex monitor

ASG-TMON® FOR Z/OS

ASG-TMON® for z/OS are dynamic solutions for monitoring every area of IBM’s z/OS operating systems across every partition in your enterprise. It provides real-time performance information on important software and hardware resources and long-term online data for after the fact analysis of resource usage trends, service levels, I/O contention, job delays, and exceptions. It is designed specifically for systems programmers, performance analysts, application tuners, and operations personnel. It includes powerful exception processing and productivity enhancing utilities.

ASG-TMON® FOR CICS TS FOR Z/OS

ASG-TMON® for CICS TS for z/OS helps data center managers and system programmers quickly respond, identify, and resolve CICS problems. It effectively reduces costly application downtime, improving transaction throughput and identifying problems affecting application performance.

ASG-TMON® FOR DB2® AND THE SQL ANALYZER FEATURE

ASG-TMON® for DB2® and the SQL Analyzer Feature ASG-TMON® for DB2 is a performance management solution for IBM's DB2 relational database management system on z/OS. ASG-TMON® for DB2 provides real-time, recent-past, and historical performance information on DB2 subsystems, threads, and objects. With ASG-TMON® for DB2, you can simplify DB2 management and enhance your performance tuning and problem determination capabilities. Additionally, SQL Analyzer, introduces new application tuning and DB2 database design assistance functionality that greatly enhances the overall performance management capabilities of ASG-TMON® for DB2.

ASG-TMON® FOR IMS

ASG-TMON® for IMS helps data center managers and system programmers quickly respond, identify, and resolve IMS problems. It was developed specifically to optimize the performance of IMS applications and to provide immediate visibility into application and IMS subsystem performance. With ASG-TMON® for IMS, you can identify and resolve problems, analyze tasks and exceptions, and manage IMS resources. ASG-TMON® for IMS also eliminates the need for separate monitors for each IMS subsystem – so you can reduce overhead and improve your bottom line. With ASG-TMON® for IMS performance analysts and capacity planners can identify trends, improve application throughput, and plan for growth, which often avoids costly upgrade charges. ASG-TMON® for IMS monitors IMS TM/DB and FastPath transactions and databases.

ASG-TMON® FOR TCP/IP

ASG-TMON® for TCP/IP is a single-point solution to monitor and manage critical TCP/IP networks. ASG-TMON® for TCP/IP is the only mainframe-centric TCP/IP product that monitors and manages non-mainframe stacks and devices, making it the only complete enterprise-wide TCP/IP monitor. Using ASG-TMON® for TCP/IP, you can monitor TCP/IP hosts and routers in real time, analyze resource utilization and contention, take action before thresholds are exceeded, identify and correct performance anomalies, and perform historical reporting for trend analysis and Service Level Agreement (SLA) verification.

***ASG-TMON®'s solutions
deliver everything you need
to maximize IT management,
performance, and availability***

ASG-TMON® FOR VTAM®

ASG-TMON® for VTAM is a solution for the management of IBM's Virtual Telecommunications Access Method (VTAM). ASG-TMON® for VTAM monitors both internal and external influences on the performance of your communication environment. It is also an application monitor, providing in-depth analysis of all VTAM applications, including dataflow and response-time information. Easy-to use diagnostic capabilities for problems with VTAM definitions, configurations, applications, sessions, routes, and I/O devices are also available in ASG-TMON® for VTAM.

ASG-TMON® FOR MQ

ASG-TMON® for MQ is a component of the ASG-TMON® suite of products for z/OS. ASG-TMON® for MQ is easy to use and understand, and allows MQ novices to quickly become experts. Features such as online historical and batch reporting, automatic dead letter queue processing, and color-coded exception alerting make it a powerful MQ management tool and an excellent complement to ASG-TMON® for MQ Enterprise Edition.

Queue Name	Queue Type	Current Queue Depth	Maximum Queue Depth	Open Input Count	Open O
MQE ADMIN AUDIT QUEUE	Local	0	5000	0	0
MQE ADMIN MSG COMMAND QUEUE	Local	0	5000	1	0
MQE PUBLISH EVENT QUEUE	Local	0	5000	1	0
MQE MO ADMIN EVENT QUEUE	Local	0	5000	0	0
SYSTEM ADMIN ACCOUNTING QUEUE	Local	0	3000	0	0
SYSTEM ADMIN ACTIVITY QUEUE	Local	0	5000	0	0
SYSTEM ADMIN COMMAND EVENT	Local	0	5000	0	0
SYSTEM ADMIN COMMAND QUEUE	Local	18	3000	1	0
SYSTEM ADMIN CONFIG EVENT	Local	0	5000	0	0

Event ID	Date/Time	Category	Reason	Object
262	6/5/2015 9:02:37 AM	Queue Manager	Discovery Started	\\MQE@usrem7bobl\\USREM7BOBL\\USREM7BOBL.7.5.QMGR2
261	6/5/2015 9:02:35 AM	Queue Manager	Discovery Started	\\MQE@usrem7bobl\\USREM7BOBL\\USREM7BOBL.7.5.QMGR1
260	6/5/2015 9:01:46 AM	Queue Manager	Discovery Stopped	\\MQE@usrem7bobl\\USDENMAV13\\DEVTMQ.USDENMAV13.QMGR1
259	6/5/2015 9:01:45 AM	Queue Manager	Discovery Started	\\MQE@usrem7bobl\\USDENMAV13\\DEVTMQ.USDENMAV13.QMGR1
47	6/5/2015 9:00:47 AM	Channel	Channel Stopped	\\MQE@usrem7bobl\\JUPITER\\JUPITER.QMGR1\\Channels\\USREM7B...
46	6/5/2015 9:00:46 AM	Channel	Channel Stopped	\\MQE@usrem7bobl\\USREM7BOBL\\USREM7BOBL.7.5.QMGR1\\Chann...
972	6/5/2015 9:00:27 AM	Alter	Object Change	\\MQE@usrem7bobl\\NEPTUNE\\Triton\\Queues\\TMQEE.BUILD.REQUEST
14	6/5/2015 9:00:27 AM	Performance	Q Full	\\MQE@usrem7bobl\\NEPTUNE\\Triton\\Queues\\TMQEE.BUILD.REQUEST
13	6/5/2015 9:00:27 AM	Performance	Q Depth High	\\MQE@usrem7bobl\\NEPTUNE\\Triton\\Queues\\TMQEE.BUILD.REQUEST
971	6/5/2015 8:59:52 AM	Alter	Object Change	\\MQE@usrem7bobl\\NEPTUNE\\Triton

ASG TMON for MQ's integrated products provides support for z/OS and distributed platforms with both traditional 3270 UI or graphical UI.

ASG-TMON® FOR MQ ENTERPRISE EDITION

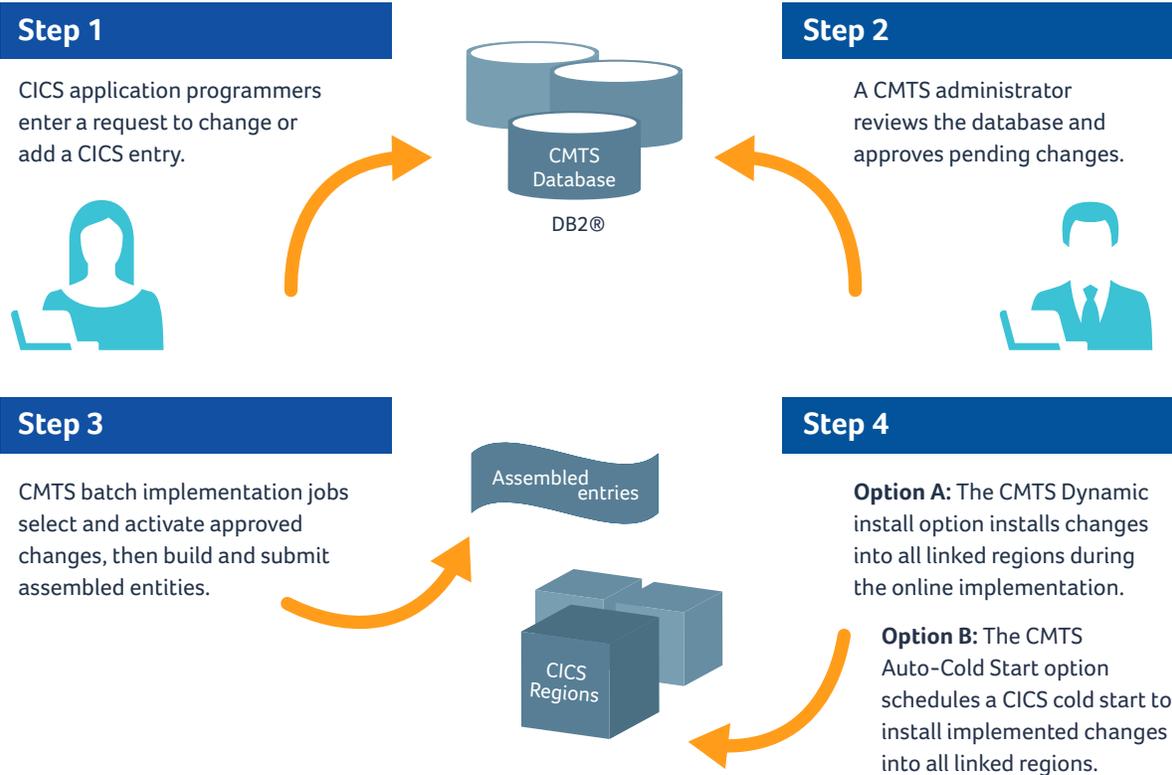
ASG-TMON® for MQ Enterprise Edition: is built on a multi-tiered architecture, which allows it to be as flexible as your MQ environment. Utilizing Brokers, Agents, and Clients, ASG-TMON® for MQ Enterprise Edition manages outside of the MQ channels. This allows for recovery of MQ queue managers and associated objects and does not compete for bandwidth in the same MQ channel as your mission-critical messages.

ASG-TMON® CHANGE MANAGER FOR CICS TS

Designed specifically for applications and systems programmers, ASG-TMON® Change Manager for CICS TS is a tool that enables users to easily make modifications to CICS System Definitions (CSD) and CICS Plex System Manager definitions across all CICS TS on IBM z/OS environments. These tools securely manage and automate CICS system changes and, by reducing errors and improving productivity, significantly enhance timely delivery to market.

COMPLIMENTARY ASG PRODUCTS

- 1. **Capacity Planning**
ASG-TMON® Performance Analyzer
- 2. **Application Performance Management on z/OS**
ASG-TriTune



Change management process



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ASG Technologies is a global software company providing the only integrated platform and flexible end to end solution for the information powered enterprise. ASG is the only solutions provider for both Information Management and IT Systems and has over 3,500 customers worldwide. To learn more visit www.asg.com.

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