

IMS Version 9
functions of interest to all, especially for
CIO/CFO & IT Architects

| FUNCTION | VALUE |
|--|---|
| 1.Integrated IMS Connect function, for transparent access to IMS applications & data from any environment | business process integration; better marketing effectiveness & customer service; lower cost; programmer productivity; easier administration |
| 2.XML data storage & retrieval , for universal information interchange | integrate processes across the enterprise, with customers; suppliers; partners . Improve programmer productivity, reduce lead times; improve data consistency, accuracy |
| 3.Integrated Online Reorg, for concurrent online update and availability | continuous availability to the virtually unlimited information capacity of High Availability Large Databases |
| 4. Service Oriented Architecture & Web Services support, to wrapper & publish IMS applications on the internet as web services | facilitates integration across the enterprise and with suppliers, customers, partners; leverages past investment; reduces new programming effort |

IMS Version 9
functions of special interest for
Applications Programming Managers

| FUNCTION | VALUE |
|--|---|
| 1.Java Remote Database Services, for transparent access to IMS applications from any distributed EJB | reduces application development lead times and improves programmer productivity |
| 2. IMS JAVA programs running in z990 and z890 zAAP servers without change | lower total cost of ownership, simpler infrastructure for Web applications, increased system productivity |
| 3. IMS, DB2, JAVA, COBOL interoperability, allows these programs to access either database from any platform | improves programmer productivity, reduces lead times; simplifies operations |
| 4.SQL enhancements, support the latest standard keywords | apply standard relational database queries, from any platform, to the IMS database |

| FUNCTION | VALUE |
|---|--|
| 5. COBOL XML support , to receive & send XML documents directly | parse and transform XML documents, improving programmer productivity and preserving prior investment |
| 6. Increased number scheduling classes, from 255 to 999 | expands ability to tailor system scheduling; enhances usability and improves resources utilization |

IMS Version 9
functions of special interest for
Operations Managers

| FUNCTION | VALUE |
|---|--|
| 1.IMS Enhanced Command Environment | The simplified IMS configuration makes it easier to operate and take advantage of type-2 commands, which are easier to understand and reduce the training needed for new operators. |
| 2. Sysplex Wide Database Commands, expand operations management single point of control (SPOC) to handle Database Commands, | Provide the ability to better manage the IMS Sysplex and provide a single system image. |
| 3.Command Recognition Character Registration, uniquely registers a subsystem | An operator can enter a command from any system in a Sysplex and have it routed to the right subsystem.The operating system can detect and prevent collisions between subsystems as well as be able to inform operators and systems programmers which prefixes are currently in use, thus easing operations management |
| 4.Command Authorization support, for both batch and online DBRC commands | Improves ability to secure DBRC commands. |
| 5.A new Write-To-Operator message; and new Diagnose command | Improve usability, serviceability and reduce outage |

IMS Version 9
functions of special interest for
Systems Programmers

| FUNCTION | VALUE |
|---|---|
| 1.System Generation enhancements, to stage the removal of conditional link edits currently done by Sysgen. | Removes the restriction of requiring separate execution libraries,removes the conditional link of composite modules, eliminating a step and reducing the time and MIPS needed for the sys gen process. |
| 2.Online Change (OLC) Module Enhancements, remove modules from the Nucleus Link edit step | Another step towards limiting the impact of IMS Sysgen. The value is saving some below-the-line private storage. The nucleus is loaded into below-the-line private storage. |
| 3. Installation Verification Program (IVP) Enhancements, usability improvements and ability to import variables from previous releases. | Shorter time required for IVP implementation and improved system programmer productivity. |
| 4.IMS Dynamic Allocation VSCR Enhancement, assures Data Set Association Blocks (DSABs) are allocated above the 32 MB line | This Virtual Storage Constraint Relief provides better management of below-the-line storage, better system utilization and aids system programmer productivity |
| 5.Selected DBRC modules moved above the 16 MB line . | Virtual Storage Constraint Relief (VSCR) for better management of below-the-line storage, better system utilization and system programmer productivity |
| 6. Enhancements to security interface to enable migration from SMU to RACF (or equivalent product) | aids programmer productivity and enable full advantage of RACF level security |
| 7. Nine OTMA enhancements, for the callable TCP/IP & APPC programming interface | improve programmer productivity; aid availability, usability and security |
| 8.Removal of ETO Feature install checking; Dynamic Change of Type 4 SVC; Dynamic Add of Resource Cleanup module and Syntax Checker enhancements | Eliminate a z/OS IPL, enhance availability and serviceability, support definition and maintenance of additional IMS Proclib members and the addition of usability features, aiding programmer productivity and reducing operator error. |

IMS Version 9
functions of special interest for
Database Administrators

| FUNCTION | VALUE |
|---|--|
| 1.DBRC Application Program Interface ,provides a standard for application developers | Improves time-to-market for new function tools, improves usability and reduces the impact of version migration. |
| 2.Reuse of Database Management Block(DMB) slots, for registration to DBRC when the last DMB number has been reached | Aids productivity and eliminates a potential outage, improving availability. |
| 3.Logger enhancements, for availability and recovery of Online Data Sets (OLDS) and Work Area Data Sets (WADS). | Restart can now read both primary and secondary WADS, OLDS data can be used as input for restart. the amount of time required to get up and running after an outage is reduced by up to 25 per cent. |
| 4.Greater than 32K Tape block size support, for image copy and recovery utilities | Additional performance advantage in the recovery process which could improve the elapsed times for the Image Copy and IMS DB Recovery Utility by approximately 10 per cent. |
| 5.User Exit , for Enhanced Recoverability with DB2 and other subsystems | Enables subsystems to resolve their in-doubt work (synch point phase 1 is complete, phase 2 is not), without waiting for IMS restart to complete. Improves subsystem availability and response time. |
| 6.HALDB enhancements in partition initialization, DBRC option, control statement processing, exit customization | Improved usability, flexibility in different environments, improved programmer and operator productivity, ease-of-use |

IMS Version 9
functions of special interest for
Fast Path Systems Programmers,
DBAs & Operations

| FUNCTION | VALUE |
|---|---|
| 1.Data Entry Database (DEDB) Area Open/Close Enhancements, ten new TCBs in the IMS control region and re-engineering of existing code. | These enhancements could improve the time to get up and running by approximately 30 percent for cold start and warm start, and 20 percent for emergency restart. |
| 2.Shared Virtual Storage Option (SVSO) Multi-area Structure Support, provides for housing multiple DEDB areas in a single Coupling Facility (CF) structure. | Multiple areas can now reside in a single CF structure. This reduces the total number of CF structures that need to be defined in a system, aiding productivity and making more efficient use of CF capacity. |
| 3.Optional Extended Message Handler Queue (EMHQ) Structure, enables bypass of allocating an EMHQ structure and its associated data sets | Eases manageability and facilitates more efficient use of Coupling Facility capacity. |
| 4.Serviceability/Usability enhancements , additional log record data with secondary dependent segments (SDEPs) information | these may be used by the IMS Performance Analyzer. to improve performance measurement that enables better tuning of the IMS system |

New Capability
in
IMS Version 9

Enhanced Business Value for
CIO/CFO, Application Programming
Management, Operations Managers,
Systems Programmers, Data Base
Administrators and IT Architects



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