SQL Server 2012
Periodic Table of Dynamic Management Objects

Main Table (symbol — sub-class — object name)

Sub-class	Symbol	Object name
WORKLOAD	C	exec_connections
WORKLOAD	S	exec_sessions
WORKLOAD	R	exec_requests
INDEX PHYSICAL	xP (fx)	db_index_physical_stats
	ST (fx)	exec_sql_text
CURSORS	CR (fx)	exec_cursors
XML	xlH	exec_xml_handles
SQLOS MEMORY	oLS	os_latch_stats
	M	os_sys_memory
	BD	os_buffer_descriptors
	PM	os_process_memory
	mO	os_memory_objects
	mN	os_memory_nodes
SQL OS CPU	N	os_nodes
	D	os_dispatchers
	DP	os_dispatcher_pools
MISSING INDEXES	xD	db_missing_index_details
	xC	db_missing_index_columns
	xG	db_missing_index_groups
	xGS	db_missing_index_group_stats
INDEX USAGE	xU	db_index_usage_stats
	xO	db_index_operational_stats
QUERY STATS	qP (fx)	exec_query_plan
	qS	exec_query_stats
SQLOS LOCKING	TL	exec_tran_locks
	oSL	os_sublatches
	mCE	os_memory_cache_entries
	mCH	os_memory_cache_clock_hands
	mNS	os_memory_node_access_stats
	mB	os_memory_brokers
	mCC	os_memory_cache_counters
	SCH	os_schedulers
	W	os_workers
	WLS	os_worker_local_storage
GEN'L PERFORMANCE	ioP (fx)	io_pending_io_requests
	ioF	io_virtual_file_stats
	PC	os_performance_counters
	RB	os_ring_buffers
WAITS	WT	os_waiting_tasks
	WS	os_wait_stats
	qTP (fx)	exec_text_query_plan
PROGRAM'TY STATS	PS	exec_procedure_stats
	TGS	exec_trigger_stats
	oSS	os_spinlock_stats
	mHT	os_memory_cache_hash_tables
	VAD	os_virtual_address_dump
	mA	os_memory_allocations
	mBC	os_memory_broker_clerks
	mP	os_memory_pools
	T	os_tasks
	TH	os_threads
PARTITIONING	dPS	db_partition_stats
OBJECT USAGE	suF	db_file_space_usage
	suL	db_log_space_usage
	suS	db_session_space_usage
	suT	db_task_space_usage
STATISTICS	SP	db_stats_properties
PLAN STATS	CP (fx)	exec_cached_plans
	CPO	exec_cached_plan_dependent_objects
	PA	exec_plan_attributes
QUERY OPTIMIZER	qOI	exec_query_optimizer_info
	qTS	exec_query_transformation_stats
QUERY MEMORY	qRS	exec_query_resource_semaphores
	qMG	exec_query_memory_grants
	mC	os_memory_clerks
AUDITING	aA	audit_actions
	aM	audit_class_type_map
	aS	server_audit_status
DB METADATA	SL	db_script_level
	SKU	db_persisted_sku_features
	CC	db_objects_disabled_on_compatibility_level_change
	UE	db_uncontained_entities
	dPA	db_database_page_allocations
DB ENCRYPTION	EK	database_encryption_keys
TRANSACTIONS	tS	tran_session_transactions
	tC	tran_current_transaction
	tD	tran_database_transactions
EXTENDED EVENTS	xeP	xe_packages
	xeO	xe_objects
	xeS	xe_sessions
	xeE	xe_session_events
	xeM	xe_map_values
SERVICE BROKER	bC	broker_connections
	bT	broker_activated_tasks
	bM	broker_forwarded_messages
	bQ	broker_queue_monitors
	QNS	qn_subscriptions
RESULT SETS INFO	FR (fx)	exec_describe_first_result_set
	FRO	exec_describe_first_result_set_for_object
RFI	rDe	sql_referenced_entities
	rGe	sql_referencing_entities
SNAPSHOT	ssC	tran_current_snapshot
	ssD	tran_active_snapshot_database_transactions
	tA	tran_active_transactions
RESOURCE GOVR	xeSC	xe_session_object_columns
	xeC	xe_object_columns
	xeT	xe_session_targets
	xeEA	xe_session_event_actions
RESOURCE GOVNR	GC	resource_governor_configuration
	GA	resource_governor_resource_pool_affinity
	GP	resource_governor_resource_pools
	GW	resource_governor_workload_groups
CDC	cS	cdc_log_scan_sessions
	cT	tran_commit_table
	cE	cdc_errors
REPLICATION	rTI	repl_traninfo
	rS	repl_schemas
	rA	repl_articles
	rTH	repl_tranhash
	ssT	tran_transactions_snapshot
	ssS	tran_version_store
	ssG	tran_top_version_generators
LOG POOL	LS	logpool_stats
	LC	logpool_consumers
	LH	logpool_hashentries
	LSB	logpool_sharedcachebuffers
	LBR	logconsumer_cachebufferrefs
	LPB	logconsumer_privatecachebuffers
	LMS	logpoolmgr_stats
	LRS	logpoolmgr_respoolsize
	LF	logpoolmgr_freepools
CLUSTERING	clD	io_cluster_shared_drives
	clN	os_cluster_nodes
	clP	os_cluster_properties
	clLC	os_server_diagnostics_log_configurations
BACKGROUND	bQ	exec_background_job_queue
	bS	exec_background_job_queue_stats
AVAILABILITY GROUPS	hN	hadr_instance_node_map
	hI	hadr_name_id_map
	hC	hadr_cluster
	hM	hadr_cluster_members
	hT	hadr_cluster_networks
	hGS	hadr_availability_group_states
	hrN	hadr_availability_replica_cluster_nodes
	hrS	hadr_availability_replica_cluster_states
	hrR	hadr_availability_replica_states
	hdC	hadr_database_replica_cluster_states
	hdR	hadr_database_replica_states
	hPR	hadr_auto_page_repair
MIRRORING	mC	db_mirroring_connections
	mR	db_mirroring_auto_page_repair
	mA	db_mirroring_past_actions
SERVER METADATA	SI	os_sys_info
	WI	os_windows_info
	VS	os_volume_stats
	SR	server_registry
	SS	server_services
	BT	io_backup_tapes
	MD	server_memory_dumps
	SK	os_stacks
INSTALLS	TLS (fx)	tcp_listener_states
	CI	os_child_instances
	H	os_hosts
	LM	os_loaded_modules
ENCRYPTION	cyA	cryptographic_provider_algorithms
	cyK	cryptographic_provider_keys
	cyP	cryptographic_provider_properties
	cyS	cryptographic_provider_sessions
CLR	clrD	clr_appdomains
	clrA	clr_loaded_assemblies
FULL TEXT SEARCH	fPS	db_fts_index_physical_stats
	fAC	fts_active_catalogs
	fH	fts_fdhosts
	fK	fts_index_keywords
	fKD	fts_index_keywords_by_document
	fKP	fts_index_keywords_by_property
	fIP	fts_index_population
	fMB	fts_memory_buffers
	fMP	fts_memory_pools
	fOB	fts_outstanding_batches
	fP	fts_parser
	fPR	fts_population_ranges
FILE TABLE	fSP	fts_semantic_similarity_population
FILESTREAM	fsNH	filestream_non_transacted_handles
	fsIR	filestream_file_io_requests
	fsIH	filestream_file_io_handles
	clrP	clr_properties
	clrT	clr_tasks

Dynamic Management Object Classification Key

ACT (blue) — Activity DMOs: The user and internal activity that has or is occurring on the instance and the associated query engine and procedure cache information that results from the activity.

SOS (red) — SQLOS DMOs: SQLOS; the operating system internal to SQL Server. The DMOs here are divided into Locking/Blocking, Memory, and CPU-centric sub-classes.

IX (yellow) — Index DMOs: Broken down into three sub-classes (Physical, Usage, and Missing Indexes) these DMOs provide insight into how indexes are structured, used, or recommended for creation.

PRF (dark green) — Performance DMOs: While many DMOs address performance, unlike INFORMATION_SCHEMA views, these six are vital for providing metrics for IO, performance counters, and Wait Stats metadata.

MN (light green) — Monitoring DMOs: Tied closely to performance, hence the same shade of colors, Monitoring DMOs encompass CDC, Extended Events, Auditing, Service Broker, and Resource Governor

OBJ (purple) — Object Metadata DMOs: All things object-related (as far as the DMOs are related). Encryption, statistics, referential integrity, usage, object metadata and partitioning all fall into this class.

FRG (salmon) — Fringe DMOs: These involve SQL constructs that are on the fringe of SQL: Full-Text Search, CLR, Filestream, and File Table are all covered here.

SVR (orange) — Server Metadata DMOs: All things server-related (as far as the DMOs are related). Server metadata, install information, registry metrics, and encryption are in this class.

HA (grey) — High Availability DMOs: High Availability architectures get a lot of attention in SQL Server 2012. Most of the new DMOs are related to Availability Groups. Mirroring, Log Shipping, and replication all get attention.

Legend

Thick line = division between classes.

Dynamic Management Function

SUB-CLASS | Symbol | (fx) | 2012 | Dynamic Management Object Name

+2008 = Appears 1st in 2008
+R2 = Appears 1st in 2008R2
+2012 = Appears 1st in 2012

Narrow solid line = division between sub-classes.
Narrow dashed line = division within a sub-class.