



Hewlett Packard
Enterprise

HPE Operations Agent

Software Version: 12.01

For the Windows®, Linux, HP-UX, Solaris, and AIX operating systems

Handbook of Metrics

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Introduction

HPE Operations Agent helps you to monitor a system by collecting metrics that indicate the health, performance, resource utilization and availability of essential elements of the system. With its embedded data collector, HPE Operations Agent continuously collects performance and health data across your system and stores the collected data in the Metrics Datastore.

This document provides the information about the configuration metrics, metrics introduced and the metrics obsoleted in the HPE Operations Agent 12.01.

Configuration Metrics Supported with HPE Operations Agent 12.01

The following configuration metrics are logged with HPE Operations Agent 12.01:

Configuration Metrics on Linux

Global Metric Class	
GBL_MACHINE	GBL_OSRELEASE
GBL_OSNAME	GBL_OSVERSION
GBL_NUM_CPU	GBL_NUM_DISK
GBL_NUM_NETWORK	GBL_MACHINE_MODEL
GBL_NUM_APP	GBL_OSKERNELTYPE_INT
GBL_COLLECTOR	GBL_BOOT_TIME
GBL_GMTOFFSET	GBL_MACHINE_VENDOR
GBL_MACHINE_UUID	GBL_DISTRIBUTION
GBL_CPU_CLOCK	GBL_MEM_SHARES_PRIO
GBL_CPU_CYCLE_ENTL_MIN	GBL_CPU_CYCLE_ENTL_MAX
GBL_MEM_ENTL_MIN	GBL_MEM_ENTL_MAX
GBL_MEM_PHYS	GBL_MEM_AVAIL
GBL_SWAP_SPACE_AVAIL	GBL_SWAP_SPACE_AVAIL_KB
GBL_LS_MODE	GBL_LS_TYPE
GBL_LS_SHARED	GBL_CPU_ENTL_MIN
GBL_CPU_ENTL_MAX	GBL_LS_ROLE
GBL_NUM_LS	GBL_NUM_ACTIVE_LS

GBL_NUM_CPU_CORE	GBL_ACTIVE_CPU_CORE
GBL_CPU_SHARES_PRIO	GBL_NUM_SOCKET
GBL_JAVAARG	GBL_IGNORE_MT
GBL_THRESHOLD_PROCMEM	TBL_FILE_TABLE_AVAIL
TBL_SHMEM_TABLE_AVAIL	TBL_MSG_TABLE_AVAIL
TBL_SEM_TABLE_AVAIL	TBL_FILE_LOCK_AVAIL
TBL_INODE_CACHE_AVAIL	

Configuration Metrics on Windows

Global Metric Class	
GBL_MACHINE	GBL_OSRELEASE
GBL_OSNAME	GBL_OSVERSION
GBL_NUM_CPU	GBL_NUM_DISK
GBL_NUM_NETWORK	GBL_MACHINE_MODEL
GBL_COLLECTOR	GBL_BOOT_TIME
GBL_GMTOFFSET	GBL_MACHINE_VENDOR
GBL_MACHINE_UUID	GBL_CPU_CLOCK
GBL_MEM_SHARES_PRIO	GBL_CPU_CYCLE_ENTL_MIN
GBL_CPU_CYCLE_ENTL_MAX	GBL_MEM_ENTL_MIN
GBL_MEM_ENTL_MAX	GBL_MEM_PHYS
GBL_MEM_AVAIL	GBL_SWAP_SPACE_AVAIL
GBL_SWAP_SPACE_AVAIL_KB	GBL_LS_MODE
GBL_LS_TYPE	GBL_LS_SHARED
GBL_CPU_ENTL_MIN	GBL_CPU_ENTL_MAX
GBL_LS_ROLE	GBL_NUM_LS

GBL_NUM_ACTIVE_LS	GBL_NUM_CPU_CORE
GBL_ACTIVE_CPU_CORE	GBL_CPU_SHARES_PRIO
GBL_NUM_SOCKET	GBL_JAVAARG
GBL_IGNORE_MT	GBL_THRESHOLD_PROCMEM

Configuration Metrics on AIX

Global Metric Class	
GBL_MACHINE	GBL_OSRELEASE
GBL_OSNAME	GBL_OSVERSION
GBL_NUM_CPU	GBL_NUM_DISK
GBL_NUM_NETWORK	GBL_MACHINE_MODEL
GBL_NUM_APP	GBL_OSKERNELTYPE_INT
GBL_COLLECTOR	GBL_BOOT_TIME
GBL_GMTOFFSET	GBL_MACHINE_VENDOR
GBL_CPU_CLOCK	GBL_MEM_ENTL_MIN
GBL_MEM_ENTL_MAX	GBL_MEM_PHYS
GBL_MEM_AVAIL	GBL_SWAP_SPACE_AVAIL
GBL_SWAP_SPACE_AVAIL_KB	GBL_LS_MODE
GBL_LS_TYPE	GBL_LS_SHARED
GBL_CPU_ENTL_MIN	GBL_CPU_ENTL_MAX
GBL_LS_ROLE	GBL_NUM_CPU_CORE
GBL_ACTIVE_CPU_CORE	GBL_CPU_SHARES_PRIO
GBL_JAVAARG	GBL_IGNORE_MT
GBL_THRESHOLD_PROCMEM	TBL_FILE_TABLE_AVAIL
TBL_SHMEM_TABLE_AVAIL	TBL_MSG_TABLE_AVAIL

TBL_SEM_TABLE_AVAIL	
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Configuration Metrics on Solaris

Global Metric Class	
GBL_MACHINE	GBL_OSRELEASE
GBL_OSNAME	GBL_OSVERSION
GBL_NUM_CPU	GBL_NUM_DISK
GBL_NUM_NETWORK	GBL_MACHINE_MODEL
GBL_NUM_APP	GBL_OSKERNELTYPE_INT
GBL_COLLECTOR	GBL_BOOT_TIME
GBL_GMTOFFSET	GBL_MACHINE_VENDOR
GBL_CPU_CLOCK	GBL_MEM_ENTL_MAX
GBL_MEM_PHYS	GBL_MEM_AVAIL
GBL_SWAP_SPACE_AVAIL	GBL_SWAP_SPACE_AVAIL_KB
GBL_LS_TYPE	GBL_LS_ROLE
GBL_NUM_LS	GBL_NUM_ACTIVE_LS
GBL_NUM_CPU_CORE	GBL_ACTIVE_CPU_CORE
GBL_NUM_SOCKET	GBL_JAVAARG
GBL_IGNORE_MT	GBL_THRESHOLD_PROCMEM
TBL_FILE_TABLE_AVAIL	TBL_SHMEM_TABLE_AVAIL
TBL_MSG_TABLE_AVAIL	TBL_SEM_TABLE_AVAIL
TBL_INODE_CACHE_AVAIL	

Configuration Metrics on HP-UX

Global Metric Class	
GBL_MACHINE	GBL_OSRELEASE
GBL_OSNAME	GBL_OSVERSION
GBL_NUM_CPU	GBL_NUM_DISK
GBL_NUM_NETWORK	GBL_MACHINE_MODEL
GBL_NUM_APP	GBL_OSKERNELTYPE_INT
GBL_COLLECTOR	GBL_BOOT_TIME
GBL_GMTOFFSET	GBL_MACHINE_VENDOR
GBL_CPU_CLOCK	GBL_MEM_PHYS
GBL_MEM_AVAIL	GBL_SWAP_SPACE_AVAIL
GBL_SWAP_SPACE_AVAIL_KB	GBL_LS_TYPE
GBL_LS_ROLE	GBL_NUM_LS
GBL_NUM_ACTIVE_LS	GBL_NUM_CPU_CORE
GBL_ACTIVE_CPU_CORE	GBL_NUM_SOCKET
GBL_JAVAARG	GBL_IGNORE_MT
GBL_THRESHOLD_PROCMEM	TBL_FILE_TABLE_AVAIL
TBL_SHMEM_TABLE_AVAIL	TBL_MSG_TABLE_AVAIL
TBL_SEM_TABLE_AVAIL	TBL_FILE_LOCK_AVAIL
TBL_INODE_CACHE_AVAIL	

Metrics Enhanced with HPE Operations Agent 12.01

The following new metrics are added to the HPE Operations Agent 12.01:

Metrics Added to Linux Systems

Global Metric Class	
GBL_ACTIVE_CPU_CORE	GBL_BLANK
GBL_COLLECTION_MODE	GBL_COMPLETED_PROC
GBL_CPU_GUEST_TIME	GBL_CPU_GUEST_UTIL
GBL_CPU_INTERRUPT_TIME	GBL_CPU_INTERRUPT_UTIL
GBL_CPU_STOLEN_TIME	GBL_CPU_STOLEN_UTIL
GBL_CPU_SYSCALL_TIME	GBL_CPU_SYSCALL_UTIL
GBL_CPU_WAIT_TIME	GBL_DISK_PHYS_READ_BYTE
GBL_DISK_PHYS_WRITE_BYTE	GBL_DISK_PHYS_WRITE_PCT
GBL_DISK_SUBSYSTEM_QUEUE	GBL_DISK_SUBSYSTEM_WAIT_PCT
GBL_DISK_SUBSYSTEM_WAIT_TIME	GBL_LOST_MI_FTRACE_BUFFERS
GBL_MAC_ADDR_LIST	GBL_MACHINE_UUID
GBL_MACHINE_VENDOR	GBL_NET_IN_ERROR
GBL_NET_OUT_ERROR	GBL_NET_PACKET
GBL_NET_UTIL_PEAK	GBL_NFS_CLIENT_BAD_CALL
GBL_NFS_CLIENT_CALL	GBL_NFS_CLIENT_CALL_RATE
GBL_NFS_CLIENT_IO	GBL_NFS_CLIENT_IO_PCT
GBL_NFS_CLIENT_IO_RATE	GBL_NFS_CLIENT_READ_RATE

GBL_NFS_CLIENT_WRITE_RATE	GBL_NFS_SERVER_BAD_CALL
GBL_NFS_SERVER_CALL	GBL_NFS_SERVER_CALL_RATE
GBL_NFS_SERVER_IO	GBL_NFS_SERVER_IO_PCT
GBL_NFS_SERVER_IO_RATE	GBL_NFS_SERVER_READ_RATE
GBL_NFS_SERVER_WRITE_RATE	GBL_NODENAME
GBL_NUM_LV	GBL_NUM_SWAP
GBL_NUM_TT	GBL_NUM_VG
GBL_OSKERNELTYPE	GBL_PRI_QUEUE
GBL_PRI_WAIT_PCT	GBL_PRI_WAIT_TIME
GBL_SAMPLE	GBL_SERIALNO
GBL_STARTDATE	GBL_STARTTIME
GBL_STATDATE	GBL_SWAP_SPACE_DEVICE_UTIL
GBL_SYSTEM_TYPE	GBL_THRESHOLD_PROCCPU
GBL_THRESHOLD_PROCDISK	GBL_THRESHOLD_PROCIO
GBL_ZOMBIE_PROC	TBL_BUFFER_HEADER_AVAIL
TBL_BUFFER_HEADER_USED	TBL_BUFFER_HEADER_UTIL
TBL_MSG_BUFFER_ACTIVE	TBL_MSG_BUFFER_AVAIL
TBL_MSG_BUFFER_USED	TBL_MSG_TABLE_ACTIVE
TBL_NUM_NFSDS	TBL_SEM_TABLE_ACTIVE
TBL_SHMEM_AVAIL	TBL_SHMEM_TABLE_ACTIVE
Application Metric Class	
APP_ACTIVE_APP	APP_DISK_PHYS_IO
APP_DISK_PHYS_IO_RATE	APP_DISK_PHYS_READ
APP_DISK_PHYS_READ_RATE	APP_DISK_PHYS_WRITE
APP_DISK_PHYS_WRITE_RATE	APP_DISK_SUBSYSTEM_QUEUE

APP_DISK_SUBSYSTEM_WAIT_PCT	APP_INTERVAL
APP_IO_BYTE	APP_IO_BYTE_RATE
APP_PRI_WAIT_PCT	APP_TIME
Core Metric Class	
BYCORE_CORE_ID	BYCORE_IDLE_TIME
BYCORE_IDLE_UTIL	BYCORE_INTERRUPT_TIME
BYCORE_INTERRUPT_UTIL	BYCORE_NICE_TIME
BYCORE_NICE_UTIL	BYCORE_SOCKET_ID
BYCORE_SYS_MODE_TIME	BYCORE_SYS_MODE_UTIL
BYCORE_TOTAL_TIME	BYCORE_TOTAL_UTIL
BYCORE_USER_MODE_TIME	BYCORE_USER_MODE_UTIL
BYCORE_WAIT_TIME	BYCORE_WAIT_UTIL
CPU Metric Class	
BYCPU_ACTIVE	BYCPU_CORE_ID
BYCPU_CPU_GUEST_TIME	BYCPU_CPU_GUEST_UTIL
BYCPU_CPU_INTERRUPT_TIME	BYCPU_CPU_INTERRUPT_UTIL
BYCPU_CPU_NICE_TIME	BYCPU_CPU_NICE_UTIL
BYCPU_CPU_STOLEN_TIME	BYCPU_CPU_STOLEN_UTIL
BYCPU_CPU_SYSCALL_TIME	BYCPU_CPU_SYSCALL_UTIL
BYCPU_CPU_TYPE	
Disk Metric Class	
BYDSK_AVG_WAIT_TIME	BYDSK_DEVNO
BYDSK_INTERVAL	BYDSK_QUEUE_0_UTIL
BYDSK_QUEUE_2_UTIL	BYDSK_QUEUE_4_UTIL
BYDSK_QUEUE_8_UTIL	BYDSK_QUEUE_X_UTIL

BYDSK_TIME	
File System Metric Class	
FS_IS_LVM	FS_PHYS_IO_RATE
FS_PHYS_READ_BYTE_RATE	FS_PHYS_READ_RATE
FS_PHYS_WRITE_BYTE_RATE	FS_PHYS_WRITE_RATE
Network Interface Metric Class	
BYNETIF_MAC_ADDR	BYNETIF_NET_SPEED
BYNETIF_UTIL	
Process Metric Class	
PROC_APP_NAME	PROC_CHILD_CPU_SYS_MODE_UTIL
PROC_CHILD_CPU_TOTAL_UTIL	PROC_CHILD_CPU_USER_MODE_UTIL
PROC_CPU_LAST_USED	PROC_CPU_SWITCHES
PROC_CPU_SYSCALL_TIME	PROC_CPU_SYSCALL_UTIL
PROC_DISK_PHYS_IO_RATE	PROC_DISK_PHYS_READ
PROC_DISK_PHYS_READ_RATE	PROC_DISK_PHYS_WRITE
PROC_DISK_PHYS_WRITE_RATE	PROC_DISK_SUBSYSTEM_WAIT_PCT
PROC_DISK_SUBSYSTEM_WAIT_TIME	PROC_FORCED_CSWITCH
PROC_GROUP_NAME	PROC_INTERVAL
PROC_IO_BYTE	PROC_IO_BYTE_RATE
PROC_MEM_DATA_VIRT	PROC_MEM_LOCKED
PROC_MEM_SHARED_RES	PROC_MEM_STACK_VIRT
PROC_MEM_TEXT_VIRT	PROC_NICE_PRI
PROC_PRI_WAIT_PCT	PROC_PRI_WAIT_TIME
PROC_SCHEDULER	PROC_STATE

PROC_STATE_FLAG	PROC_STOP_REASON_FLAG
PROC_THREAD_ID	PROC_TIME
PROC_TOP_CPU_INDEX	PROC_TOP_DISK_INDEX
PROC_TTY_DEV	PROC_UID
PROC_VOLUNTARY_CSWITCH	
Transaction Metric Class	
TT_ABORT_WALL_TIME	TT_APPNO TT_FAILED_WALL_TIME
TT_INPROGRESS_COUNT	TT_INTERVAL
TT_MEASUREMENT_COUNT	TT_UID
TT_UPDATE	TT_WALL_TIME
Logical Volume Metric Class	
LV_DEVNO	LV_DIRNAME
LV_GROUP_NAME	LV_PHYSLV_SIZE
LV_READ_BYTE_RATE	LV_READ_RATE
LV_SPACE_UTIL	LV_TYPE
LV_WRITE_BYTE_RATE	LV_WRITE_RATE

Metrics Added to Windows Systems

Global Metric Class	
GBL_COLLECTION_MODE	GBL_DISK_PHYS_READ_BYTE
GBL_DISK_PHYS_WRITE_BYTE	GBL_JAVAARG
GBL_MAC_ADDR_LIST	GBL_MACHINE_MODEL
GBL_MACHINE_UUID	GBL_MACHINE_VENDOR
GBL_NET_PACKET	GBL_NODENAME
GBL_STARTDATE	GBL_STARTTIME

GBL_STATDATE	GBL_SYSTEM_TYPE
GBL_THRESHOLD_PROCCPU	GBL_THRESHOLD_PROCIO
GBL_WEB_ALLOWED_ASYNC_IO	GBL_WEB_ANONYMOUS_USERS
GBL_WEB_BLOCKED_ASYNC_IO	GBL_WEB_FILES_RECEIVED
GBL_WEB_FILES_SENT	GBL_WEB_LOGON_ATTEMPTS
GBL_WEB_MAX_CONNECTIONS	GBL_WEB_NONANONYMOUS_USERS
Application Metric Class	
APP_INTERVAL	APP_MINOR_FAULT
Core Metric Class	
BYCORE_CORE_ID	BYCORE_IDLE_TIME
BYCORE_IDLE_UTIL	BYCORE_INTERRUPT_TIME
BYCORE_INTERRUPT_UTIL	BYCORE_SOCKET_ID
BYCORE_SYS_MODE_TIME	BYCORE_SYS_MODE_UTIL
BYCORE_TOTAL_TIME	BYCORE_TOTAL_UTIL
BYCORE_USER_MODE_TIME	BYCORE_USER_MODE_UTIL
CPU Metric Class	
BYCPU_CORE_ID	
Disk Metric Class	
BYDSK_INTERVAL	
File System Metric Class	
FS_DEVNO	FS_FRAG_SIZE
FS_PHYS_READ_BYTE_RATE	FS_PHYS_READ_RATE
FS_PHYS_WRITE_BYTE_RATE	FS_PHYS_WRITE_RATE
Network Interface Metric Class	
BYNETIF_MAC_ADDR	

Process Metric Class	
PROC_APP_NAME	PROC_HANDLE_COUNT
PROC_INTERVAL	PROC_PROC_ARGV1
PROC_PROC_CMD	PROC_STATE
Transaction Metric Class	
TT_ABORT_WALL_TIME	TT_APPNO
TT_FAILED_WALL_TIME	TT_INPROGRESS_COUNT
TT_INTERVAL	TT_MEASUREMENT_COUNT
TT_UPDATE	TT_WALL_TIME

Metrics Added to AIX Systems

Global Metric Class	
TBL_AUTO_START_ENABLE	TBL_BUFFER_CACHE_USED
TBL_BUFFER_HEADER_AVAIL	TBL_BUFFER_HEADER_USED
TBL_BUFFER_HEADER_UTIL	TBL_CBLOCK_TABLE_AVAIL
TBL_CLK_TICK_LENGTH	TBL_DISKIO_HIST_ENABLE
TBL_ELAPSED_RESUSPEN_PROCESS	TBL_FILE_TABLE_AVAIL
TBL_FILE_TABLE_USED	TBL_FILE_TABLE_UTIL
TBL_FORK_RETRY_CLK_TICK	TBL_LEAST_PRIV_ENABLE
TBL_MEM_SCRUB_ENABLE	TBL_MIN_MULTI_PROGRAM
TBL_MSG_BUFFER_ACTIVE	TBL_MSG_BUFFER_AVAIL
TBL_MSG_BUFFER_USED	TBL_MSG_TABLE_ACTIVE
TBL_MSG_TABLE_AVAIL	TBL_MSG_TABLE_UTIL
TBL_PROC_MEM_THRESHOLD	TBL_PROC_TABLE_USED

TBL_SEM_TABLE_ACTIVE	TBL_SEM_TABLE_AVAIL
TBL_SEM_TABLE_UTIL	TBL_SHMEM_AVAIL
TBL_SHMEM_REQUESTED	TBL_SHMEM_TABLE_ACTIVE
TBL_SHMEM_TABLE_AVAIL	TBL_SHMEM_TABLE_UTIL
TBL_THREAD_TABLE_AVAIL	TBL_WAIT_REACTIVATE_PROCESS
GBL_BLANK	GBL_COLLECTION_MODE
GBL_CPU_PHYS_IDLE_UTIL	GBL_CPU_PHYS_WAIT_UTIL
GBL_DISK_BLOCK_IO_PCT	GBL_DISK_PHYS_READ_BYTE
GBL_DISK_PHYS_WRITE_BYTE	GBL_DISK_PHYS_WRITE_PCT
GBL_DISK_RAW_IO_PCT	GBL_DISK_SPACE_UTIL
GBL_DISK_UTIL	GBL_DISK_VM_IO_PCT
GBL_FREE_FRAME_CURR	GBL_FREE_FRAME_LOWER_THRESHOLD
GBL_FREE_FRAME_UPPER_THRESHOLD	GBL_LS_CPU_DEDICATED_CONSUMED
GBL_LS_CPU_SHARED_CONSUMED	GBL_MAC_ADDR_LIST
GBL_MACHINE_VENDOR	GBL_MEM_CACHE
GBL_MEM_CACHE_HIT	GBL_MEM_CLK_HAND_CYCLE
GBL_MEM_CLK_HAND_CYCLE_RATE	GBL_MEM_EXECFILL_PG
GBL_MEM_EXECFILL_PG_RATE	GBL_MEM_FRAME_WAIT_QUEUE
GBL_MEM_IO_DONE	GBL_MEM_IO_DONE_RATE
GBL_MEM_IOPEND_QUEUE	GBL_MEM_IO_START
GBL_MEM_IO_START_RATE	GBL_MEM_LCK_MISS
GBL_MEM_LCK_MISS_RATE	GBL_MEM_OVER_COMMIT
GBL_MEM_PAGE_RECLAIM	GBL_MEM_PAGE_RECLAIM_RATE
GBL_MEM_PG_STEAL	GBL_MEM_SWAP

GBL_MEM_SWAPIN	GBL_MEM_SWAPOUT
GBL_MEM_SWAP_RATE	GBL_MEM_SYS
GBL_MEM_USER	GBL_MEM_VM_BACKTRACK
GBL_MEM_VM_BACKTRACK_RATE	GBL_MEM_ZEROFILL_PG
GBL_MEM_ZEROFILL_PG_RATE	GBL_NET_COLLISION
GBL_NET_DEFERRED	GBL_NET_DEFERRED_RATE
GBL_NET_ERROR	GBL_NET_IN_ERROR
GBL_NET_OUT_ERROR	GBL_NET_PACKET
GBL_NFS_CLIENT_BAD_CALL	GBL_NFS_CLIENT_CALL
GBL_NFS_CLIENT_CALL_RATE	GBL_NFS_CLIENT_IO
GBL_NFS_CLIENT_IO_PCT	GBL_NFS_CLIENT_IO_RATE
GBL_NFS_CLIENT_READ_RATE	GBL_NFS_CLIENT_WRITE_RATE
GBL_NFS_SERVER_BAD_CALL	GBL_NFS_SERVER_CALL
GBL_NFS_SERVER_CALL_RATE	GBL_NFS_SERVER_IO
GBL_NFS_SERVER_IO_PCT	GBL_NFS_SERVER_IO_RATE
GBL_NFS_SERVER_READ_RATE	GBL_NFS_SERVER_WRITE_RATE
GBL_NODENAME GBL_NUM_APP	GBL_NUM_SWAP
GBL_NUM_TT	GBL_NUM_VG
GBL_OSKERNELTYPE	GBL_OSKERNELTYPE_INT
GBL_POOL_IDLE_TIME	GBL_SAMPLE
GBL_SERIALNO	GBL_STARTDATE
GBL_STARTTIME	GBL_STATDATE
GBL_SYSCALL_BYTE_RATE	GBL_SYSCALL_READ
GBL_SYSCALL_READ_BYTE	GBL_SYSCALL_READ_PCT
GBL_SYSCALL_READ_RATE	GBL_SYSCALL_WRITE

GBL_SYSCALL_WRITE_BYTE	GBL_SYSCALL_WRITE_PCT
GBL_SYSCALL_WRITE_RATE	GBL_SYSTEM_TYPE
GBL_THRESHOLD_PROCCPU	GBL_THRESHOLD_PROCDISK
GBL_THRESHOLD_PROCIO	GBL_ZOMBIE_PROC
Application Metric Class	
APP_ACTIVE_APP	APP_INTERVAL
APP_MAJOR_FAULT	APP_MINOR_FAULT
APP_TIME	
CPU Metric Class	
BYCPU_ACTIVE	BYCPU_CPU_TYPE
BYCPU_CSWITCH	BYCPU_EXEC_RATE
BYCPU_FORK	BYCPU_FORK_RATE
BYCPU_READ_RATE	BYCPU_WRITE_RATE
Disk Metric Class	
BYDSK_CURR_QUEUE_LENGTH	BYDSK_DEVNO
BYDSK_INTERVAL	BYDSK_QUEUE_0_UTIL
BYDSK_QUEUE_2_UTIL	BYDSK_QUEUE_4_UTIL
BYDSK_QUEUE_8_UTIL	BYDSK_QUEUE_X_UTIL
BYDSK_TIME	
File System Metric Class	
FS_DEVNO	
Network Interface Metric Class	
BYNETIF_COLLISION_1_MIN_RATE	BYNETIF_DEFERRED
BYNETIF_DEFERRED_RATE	BYNETIF_ERROR_1_MIN_RATE
BYNETIF_MAC_ADDR	

Process Metric Class	
PROC_APP_NAME	PROC_CHILD_CPU_SYS_MODE_UTIL
PROC_CHILD_CPU_TOTAL_UTIL	PROC_CHILD_CPU_USER_MODE_UTIL
PROC_EUID	PROC_GROUP_NAME
PROC_INTERVAL	PROC_MEM_DATA_RES
PROC_MEM_DATA_VIRT	PROC_MEM_PRIVATE_RES
PROC_MEM_SHARED_RES	PROC_MEM_STACK_VIRT
PROC_MEM_TEXT_RES	PROC_MEM_TEXT_VIRT
PROC_NICE_PRI	PROC_SIGNAL
PROC_STATE	PROC_STATE_FLAG
PROC_STOP_REASON_FLAG	PROC_THREAD_ACTIVE
PROC_THREAD_SUSPENDED	PROC_THREAD_TERMINATED
PROC_TIME	PROC_TOP_CPU_INDEX
PROC_TOP_DISK_INDEX	PROC_TTY_DEV
PROC_UID	
Transaction Metric Class	
TT_ABORT_WALL_TIME	TT_APPNO
TT_FAILED_WALL_TIME	TT_INPROGRESS_COUNT
TT_INTERVAL	TT_MEASUREMENT_COUNT
TT_UPDATE	TT_WALL_TIME
Logical Volume Metric Class	
LV_DIRNAME	LV_GROUP_NAME
LV_INTERVAL	LV_LOGLP_LV
LV_MIRRORCONSIST_LV	LV_MIRRORP_LV

LV_OPEN_LV	LV_OPEN_PV
LV_PHYSLV_SIZE	LV_STATE_LV
LV_TYPE	LV_WRITEV_LV

Metrics Added to Solaris Systems

Global Metric Class	
TBL_BUFFER_CACHE_HWM	TBL_BUFFER_HEADER_AVAIL
TBL_BUFFER_HEADER_USED	TBL_BUFFER_HEADER_UTIL
TBL_FILE_TABLE_USED	TBL_MAX_USERS
TBL_MSG_BUFFER_ACTIVE	TBL_MSG_BUFFER_AVAIL
TBL_MSG_BUFFER_USED	TBL_MSG_TABLE_ACTIVE
TBL_NUM_NFSDS	TBL_PROC_TABLE_USED
TBL_PTY_AVAIL	TBL_PTY_USED
TBL_PTY_UTIL	TBL_SEM_TABLE_ACTIVE
TBL_SHMEM_AVAIL	TBL_SHMEM_TABLE_ACTIVE
GBL_BLANK	GBL_COLLECTION_MODE
GBL_CPU_SYSCALL_TIME	GBL_CPU_SYSCALL_UTIL
GBL_DISK_BLOCK_IO_PCT	GBL_DISK_FILE_IO
GBL_DISK_FILE_IO_PCT	GBL_DISK_FILE_IO_RATE
GBL_DISK_LOGL_IO	GBL_DISK_LOGL_IO_RATE
GBL_DISK_LOGL_READ	GBL_DISK_LOGL_READ_PCT
GBL_DISK_LOGL_WRITE	GBL_DISK_LOGL_WRITE_PCT
GBL_DISK_PHYS_READ_BYTE	GBL_DISK_PHYS_WRITE_BYTE
GBL_DISK_PHYS_WRITE_PCT	GBL_DISK_RAW_IO_PCT
GBL_DISK_UTIL	GBL_DISK_VM_IO_PCT

GBL_MAC_ADDR_LIST	GBL_MACHINE_VENDOR
GBL_MEM_ARC	GBL_MEM_CACHE
GBL_MEM_CACHE_HIT	GBL_MEM_DNLC_HIT
GBL_MEM_DNLC_LONGS	GBL_MEM_DNLC_LONGS_PCT
GBL_MEM_SWAP	GBL_MEM_SWAP_1_MIN_RATE
GBL_MEM_SWAPIN	GBL_MEM_SWAPOUT
GBL_MEM_SWAP_RATE	GBL_MEM_SYS
GBL_MEM_USER	GBL_NET_COLLISION
GBL_NET_DEFERRED	GBL_NET_DEFERRED_RATE
GBL_NET_ERROR	GBL_NET_IN_ERROR
GBL_NET_OUT_ERROR	GBL_NET_PACKET
GBL_NFS_CLIENT_BAD_CALL	GBL_NFS_CLIENT_CALL
GBL_NFS_CLIENT_CALL_RATE	GBL_NFS_CLIENT_IO
GBL_NFS_CLIENT_IO_PCT	GBL_NFS_CLIENT_IO_RATE
GBL_NFS_CLIENT_READ_RATE	GBL_NFS_CLIENT_WRITE_RATE
GBL_NFS_SERVER_BAD_CALL	GBL_NFS_SERVER_CALL
GBL_NFS_SERVER_CALL_RATE	GBL_NFS_SERVER_IO
GBL_NFS_SERVER_IO_PCT	GBL_NFS_SERVER_IO_RATE
GBL_NFS_SERVER_READ_RATE	GBL_NFS_SERVER_WRITE_RATE
GBL_NODENAME	GBL_NUM_APP
GBL_NUM_LV	GBL_NUM_SWAP
GBL_NUM_TT	GBL_NUM_VG
GBL_OSKERNELTYPE	GBL_OSKERNELTYPE_INT
GBL_RENICE_PRI_LIMIT	GBL_SAMPLE
GBL_SERIALNO	GBL_STARTDATE

GBL_STARTTIME	GBL_STATDATE
GBL_SWAP_RESERVED_ONLY_UTIL	GBL_SWAP_SPACE_DEVICE_UTIL
GBL_SWAP_SPACE_MEM_UTIL	GBL_SWAP_SPACE_RESERVED_UTIL
GBL_SYSCALL_BYTE_RATE	GBL_SYSCALL_READ
GBL_SYSCALL_READ_BYTE	GBL_SYSCALL_READ_PCT
GBL_SYSCALL_READ_RATE	GBL_SYSCALL_WRITE
GBL_SYSCALL_WRITE_BYTE	GBL_SYSCALL_WRITE_PCT
GBL_SYSCALL_WRITE_RATE	GBL_SYSTEM_TYPE
GBL_THRESHOLD_PROCCPU	GBL_THRESHOLD_PROCDISK
GBL_THRESHOLD_PROCIO	GBL_ZOMBIE_PROC
Application Metric Class	
APP_ACTIVE_APP	APP_INTERVAL
APP_MAJOR_FAULT	APP_MINOR_FAULT
APP_PRI APP_TIME	
Core Metric Class	
BYCORE_CORE_ID	BYCORE_IDLE_TIME
BYCORE_IDLE_UTIL	BYCORE_SOCKET_ID
BYCORE_SYS_MODE_TIME	BYCORE_SYS_MODE_UTIL
BYCORE_TOTAL_TIME	BYCORE_TOTAL_UTIL
BYCORE_USER_MODE_TIME	BYCORE_USER_MODE_UTIL
BYCORE_WAIT_TIME	BYCORE_WAIT_UTIL
CPU Metric Class	
BYCPU_ACTIVE	BYCPU_CORE_ID
BYCPU_CPU_SYSCALL_TIME	BYCPU_CPU_SYSCALL_UTIL
BYCPU_CPU_TYPE	BYCPU_CSWITCH

Disk Metric Class	
BYDSK_CURR_QUEUE_LENGTH	BYDSK_DEVNO
BYDSK_INTERVAL	BYDSK_QUEUE_0_UTIL
BYDSK_QUEUE_2_UTIL	BYDSK_QUEUE_4_UTIL
BYDSK_QUEUE_8_UTIL	BYDSK_QUEUE_X_UTIL
BYDSK_TIME	
File System Metric Class	
FS_DEVNO	
Network Interface Metric Class	
BYNETIF_COLLISION_1_MIN_RATE	BYNETIF_DEFERRED
BYNETIF_DEFERRED_RATE	BYNETIF_ERROR_1_MIN_RATE
BYNETIF_MAC_ADDR	
Process Metric Class	
PROC_EUID	PROC_FORCED_CSWITCH
PROC_GROUP_NAME	PROC_INTERVAL
PROC_MEM_DATA_VIRT	PROC_MEM_STACK_VIRT
PROC_NICE_PRI	PROC_PRI
PROC_SIGNAL	PROC_STATE
PROC_STATE_FLAG	PROC_STOP_REASON_FLAG
PROC_SYSCALL	PROC_TOP_CPU_INDEX
PROC_TOP_DISK_INDEX	PROC_TTY_DEV
PROC_UID	PROC_VOLUNTARY_CSWITCH
PROC_APP_NAME	PROC_CHILD_CPU_SYS_MODE_UTIL
PROC_CHILD_CPU_TOTAL_UTIL	PROC_CHILD_CPU_USER_MODE_UTIL
Transaction Metric Class	

TT_ABORT_WALL_TIME	TT_APPNO
TT_FAILED_WALL_TIME	TT_INPROGRESS_COUNT
TT_INTERVAL	TT_MEASUREMENT_COUNT
TT_UID	TT_UPDATE
TT_WALL_TIME	
Logical System Metric Class	
BYLS_LS_MODE_MEM	BYLS_LS_UUID
Logical Volume Metric Class	
LV_AVG_READ_SERVICE_TIME	LV_AVG_WRITE_SERVICE_TIME
LV_DEVNO	LV_INTERVAL
LV_LOGLP_LV	LV_OPEN_LV
LV_PHYSLV_SIZE	LV_STATE_LV
LV_TYPE	LV_TYPE_LV

Metrics Added to HP-UX Systems

Global Metric Class	
TBL_BUFFER_CACHE_MAX	TBL_BUFFER_CACHE_MIN
TBL_BUFFER_HEADER_AVAIL	TBL_BUFFER_HEADER_USED
TBL_BUFFER_HEADER_UTIL	TBL_DNLC_CACHE_AVAIL
TBL_FILE_TABLE_USED	TBL_MSG_BUFFER_AVAIL
TBL_MSG_BUFFER_USED	TBL_PROC_TABLE_USED
TBL_PTY_AVAIL	TBL_PTY_USED
TBL_PTY_UTIL	TBL_SHMEM_AVAIL
TBL_SHMEM_REQUESTED	GBL_BLANK
GBL_CACHE_QUEUE	GBL_CACHE_WAIT_PCT

GBL_CACHE_WAIT_TIME	GBL_CDFS_QUEUE
GBL_CDFS_WAIT_PCT	GBL_CDFS_WAIT_TIME
GBL_COLLECTION_MODE	GBL_CPU_NNICE_TIME
GBL_CPU_NNICE_UTIL	GBL_CPU_TRAP_TIME
GBL_CPU_TRAP_UTIL	GBL_CPU_VFAULT_TIME
GBL_CPU_VFAULT_UTIL	GBL_CPU_WAIT_TIME
GBL_DISK_FS_BYTE	GBL_DISK_FS_IO_PCT
GBL_DISK_LOGL_BYTE_RATE	GBL_DISK_LOGL_READ_PCT
GBL_DISK_LOGL_WRITE_PCT	GBL_DISK_PHYS_READ_BYTE
GBL_DISK_PHYS_WRITE_BYTE	GBL_DISK_PHYS_WRITE_PCT
GBL_DISK_QUEUE	GBL_DISK_RAW_BYTE
GBL_DISK_RAW_IO_PCT	GBL_DISK_REM_FS_BYTE
GBL_DISK_REM_FS_IO	GBL_DISK_REM_FS_IO_PCT
GBL_DISK_REM_FS_IO_RATE	GBL_DISK_REM_LOGL_READ
GBL_DISK_REM_LOGL_READ_BYTE	GBL_DISK_REM_LOGL_READ_PCT
GBL_DISK_REM_LOGL_READ_RATE	GBL_DISK_REM_LOGL_WRITE
GBL_DISK_REM_LOGL_WRITE_BYTE	GBL_DISK_REM_LOGL_WRITE_PCT
GBL_DISK_REM_LOGL_WRITE_RATE	GBL_DISK_REM_PHYS_READ
GBL_DISK_REM_PHYS_READ_BYTE	GBL_DISK_REM_PHYS_READ_PCT
GBL_DISK_REM_PHYS_READ_RATE	GBL_DISK_REM_PHYS_WRITE
GBL_DISK_REM_PHYS_WRITE_BYTE	GBL_DISK_REM_PHYS_WRITE_PCT
GBL_DISK_REM_PHYS_WRITE_RATE	GBL_DISK_REM_RAW_BYTE
GBL_DISK_REM_RAW_IO	GBL_DISK_REM_RAW_IO_PCT
GBL_DISK_REM_RAW_IO_RATE	GBL_DISK_REM_SYSTEM_BYTE
GBL_DISK_REM_SYSTEM_IO	GBL_DISK_REM_SYSTEM_IO_PCT

GBL_DISK_REM_SYSTEM_IO_RATE	GBL_DISK_REM_VM_BYTE
GBL_DISK_REM_VM_IO	GBL_DISK_REM_VM_IO_PCT
GBL_DISK_REM_VM_IO_RATE	GBL_DISK_SUBSYSTEM_WAIT_PCT
GBL_DISK_SUBSYSTEM_WAIT_TIME	GBL_DISK_SYSTEM_BYTE
GBL_DISK_SYSTEM_IO_PCT	GBL_DISK_UTIL
GBL_DISK_UTIL_PEAK_OTHERS	GBL_DISK_UTIL_PEAK_VM
GBL_DISK_VM_BYTE	GBL_DISK_VM_IO_PCT
GBL_DISK_WAIT_PCT	GBL_DISK_WAIT_TIME
GBL_GRAPHICS_QUEUE	GBL_GRAPHICS_WAIT_PCT
GBL_GRAPHICS_WAIT_TIME	GBL_INODE_QUEUE
GBL_INODE_WAIT_PCT	GBL_INODE_WAIT_TIME
GBL_IPC_QUEUE	GBL_IPC_SUBSYSTEM_WAIT_PCT
GBL_IPC_WAIT_PCT	GBL_IPC_WAIT_TIME
GBL_JOBCTL_QUEUE	GBL_JOBCTL_WAIT_PCT
GBL_JOBCTL_WAIT_TIME	GBL_LAN_QUEUE
GBL_LAN_WAIT_PCT	GBL_LAN_WAIT_TIME
GBL_MAC_ADDR_LIST	GBL_MACHINE_VENDOR
GBL_MEM_CACHE	GBL_MEM_CACHE_HIT
GBL_MEM_DNLC_HIT	GBL_MEM_DNLC_LONGS
GBL_MEM_DNLC_LONGS_PCT	GBL_MEMFS_BLK_CNT
GBL_MEMFS_SWP_CNT	GBL_MEM_PAGE_SIZE_MAX
GBL_MEM_SWAP_1_MIN_RATE	GBL_MEM_SWAPIN
GBL_MEM_SWAPOUT	GBL_MEM_SWAP_RATE
GBL_MEM_SYS	GBL_MEM_USER
GBL_MEM_WAIT_PCT	GBL_MEM_WAIT_TIME

GBL_MI_LOST_PROC	GBL_MI_PROC_ENTRIES
GBL_MI_THREAD_ENTRIES	GBL_MSG_QUEUE
GBL_MSG_WAIT_PCT	GBL_MSG_WAIT_TIME
GBL_NET_COLLISION	GBL_NET_DEFERRED
GBL_NET_DEFERRED_RATE	GBL_NET_ERROR
GBL_NET_IN_ERROR	GBL_NET_IP_FRAGMENTS_RECEIVED
GBL_NET_IP_FWD_DATAGRAMS	GBL_NET_IP_REASSEMBLY_REQUIRED
GBL_NET_OUT_ERROR	GBL_NET_PACKET
GBL_NETWORK_SUBSYSTEM_WAIT_PCT	GBL_NFS_CLIENT_BAD_CALL
GBL_NFS_CLIENT_BIOD	GBL_NFS_CLIENT_BYTE
GBL_NFS_CLIENT_CALL	GBL_NFS_CLIENT_CALL_RATE
GBL_NFS_CLIENT_IDLE_BIOD	GBL_NFS_CLIENT_IO
GBL_NFS_CLIENT_IO_PCT	GBL_NFS_CLIENT_IO_RATE
GBL_NFS_CLIENT_PHYS_TIME	GBL_NFS_CLIENT_READ_BYTE_RATE
GBL_NFS_CLIENT_READ_RATE	GBL_NFS_CLIENT_SERVICE_QUEUE
GBL_NFS_CLIENT_SERVICE_TIME	GBL_NFS_CLIENT_WRITE_BYTE_RATE
GBL_NFS_CLIENT_WRITE_RATE	GBL_NFS_LOGL_READ
GBL_NFS_LOGL_READ_BYTE	GBL_NFS_LOGL_READ_PCT
GBL_NFS_LOGL_READ_RATE	GBL_NFS_LOGL_WRITE
GBL_NFS_LOGL_WRITE_BYTE	GBL_NFS_LOGL_WRITE_PCT
GBL_NFS_LOGL_WRITE_RATE	GBL_NFS_QUEUE
GBL_NFS_SERVER_BAD_CALL	GBL_NFS_SERVER_BYTE

GBL_NFS_SERVER_CALL	GBL_NFS_SERVER_CALL_RATE
GBL_NFS_SERVER_IO	GBL_NFS_SERVER_IO_PCT
GBL_NFS_SERVER_IO_RATE	GBL_NFS_SERVER_READ_BYTE_RATE
GBL_NFS_SERVER_READ_RATE	GBL_NFS_SERVER_SERVICE_TIME
GBL_NFS_SERVER_WRITE_BYTE_RATE	GBL_NFS_SERVER_WRITE_RATE
GBL_NFS_WAIT_PCT	GBL_NFS_WAIT_TIME
GBL_NODENAME	GBL_NUM_APP
GBL_NUM_APP_PRM	GBL_NUM_HBA
GBL_NUM_LDOM	GBL_NUM_SWAP
GBL_NUM_TAPE	GBL_NUM_TT
GBL_NUM_VG	GBL_OSKERNELTYPE
GBL_OTHER_IO_QUEUE	GBL_OTHER_IO_WAIT_PCT
GBL_OTHER_IO_WAIT_TIME	GBL_OTHER_WAIT_PCT
GBL_OTHER_WAIT_TIME	GBL_PIPE_QUEUE
GBL_PIPE_WAIT_PCT	GBL_PIPE_WAIT_TIME
GBL_PRI_WAIT_PCT	GBL_PRI_WAIT_TIME
GBL_PRM_MEM_UTIL	GBL_RPC_QUEUE
GBL_RPC_WAIT_PCT	GBL_RPC_WAIT_TIME
GBL_SAMPLE	GBL_SEM_QUEUE
GBL_SEM_WAIT_PCT	GBL_SEM_WAIT_TIME
GBL_SERIALNO	GBL_SLEEP_WAIT_PCT
GBL_SLEEP_WAIT_TIME	GBL_SOCKET_QUEUE
GBL_SOCKET_WAIT_PCT	GBL_SOCKET_WAIT_TIME
GBL_STARTDATE	GBL_STARTTIME

GBL_STATDATE	GBL_STREAM_QUEUE
GBL_STREAM_WAIT_PCT	GBL_STREAM_WAIT_TIME
GBL_SWAP_RESERVED_ONLY_UTIL	GBL_SWAP_SPACE_DEVICE_UTIL
GBL_SWAP_SPACE_FS_UTIL	GBL_SWAP_SPACE_RESERVED_UTIL
GBL_SYS_QUEUE	GBL_SYSTEM_TYPE
GBL_SYS_WAIT_PCT	GBL_SYS_WAIT_TIME
GBL_TERM_IO_WAIT_PCT	GBL_TERM_IO_WAIT_TIME
GBL_THRESHOLD_PROCCPU	GBL_THRESHOLD_PROCDISK
GBL_THRESHOLD_PROCIO	GBL_ZOMBIE_PROC
Application Metric Class	
APP_ACTIVE_APP	APP_ACTIVE_APP_PRM
APP_CPU_NNICE_TIME	APP_CPU_NNICE_UTIL
APP_CPU_USER_MODE_TIME	APP_CPU_USER_MODE_UTIL
APP_DISK_SUBSYSTEM_QUEUE	APP_INTERVAL
APP_IPC_SUBSYSTEM_QUEUE	APP_MAJOR_FAULT
APP_MAJOR_FAULT_RATE	APP_MEM_QUEUE
APP_MINOR_FAULT	APP_MINOR_FAULT_RATE
APP_NAME_PRM_GROUPNAME	APP_NETWORK_SUBSYSTEM_QUEUE
APP_OTHER_IO_QUEUE	APP_PRM_DISK_STATE
APP_PRM_GROUPID	APP_PRM_SUSPENDED_PROC
APP_SEM_QUEUE	APP_SLEEP_QUEUE
APP_TIME	
CPU Metric Class	
BYCPU_ACTIVE	BYCPU_CPU_CSWITCH_TIME

BYCPU_CPU_CSWITCH_UTIL	BYCPU_CPU_INTERRUPT_TIME
BYCPU_CPU_INTERRUPT_UTIL	BYCPU_CPU_NICE_TIME
BYCPU_CPU_NICE_UTIL	BYCPU_CPU_NNICE_TIME
BYCPU_CPU_NNICE_UTIL	BYCPU_CPU_NORMAL_TIME
BYCPU_CPU_NORMAL_UTIL	BYCPU_CPU_REALTIME_TIME
BYCPU_CPU_REALTIME_UTIL	BYCPU_CPU_SYSCALL_TIME
BYCPU_CPU_SYSCALL_UTIL	BYCPU_CPU_TRAP_TIME
BYCPU_CPU_TRAP_UTIL	BYCPU_CPU_VFAULT_TIME
BYCPU_CPU_VFAULT_UTIL	BYCPU_CSWITCH
BYCPU_INTERRUPT_STATE	BYCPU_LAST_PROC_ID
BYCPU_LAST_THREAD_ID	BYCPU_LAST_USER_THREAD_ID
BYCPU_RUN_QUEUE_15_MIN	BYCPU_RUN_QUEUE_1_MIN
BYCPU_RUN_QUEUE_5_MIN	
Disk Metric Class	
BYDSK_BUS	BYDSK_CONTROLLER
BYDSK_DEVNO	BYDSK_FS_IO_RATE
BYDSK_INTERVAL	BYDSK_LOGL_BYTE_RATE
BYDSK_LOGL_IO_RATE	BYDSK_LOGL_READ_BYTE_RATE
BYDSK_LOGL_WRITE_BYTE_RATE	BYDSK_PRODUCT_ID
BYDSK_QUEUE_0_UTIL	BYDSK_QUEUE_2_UTIL
BYDSK_QUEUE_4_UTIL	BYDSK_QUEUE_8_UTIL
BYDSK_QUEUE_X_UTIL	BYDSK_RAW_IO_RATE
BYDSK_SYSTEM_READ_RATE	BYDSK_SYSTEM_WRITE_RATE
BYDSK_TIME	BYDSK_VENDOR_ID
BYDSK_VM_READ_RATE	BYDSK_VM_WRITE_RATE

File System Metric Class	
FS_DEVNO	FS_FILE_IO_RATE
FS_INTERVAL	FS_IS_LVM
FS_LOGL_IO_RATE	FS_LOGL_READ_BYTE_RATE
FS_LOGL_READ_RATE	FS_LOGL_WRITE_BYTE_RATE
FS_LOGL_WRITE_RATE	FS_PHYS_IO_RATE
FS_PHYS_READ_BYTE_RATE	FS_PHYS_READ_RATE
FS_PHYS_WRITE_BYTE_RATE	FS_PHYS_WRITE_RATE
FS_VM_IO_RATE	
Network Interface Metric Class	
BYNETIF_COLLISION_1_MIN_RATE	BYNETIF_ERROR_1_MIN_RATE
BYNETIF_INTERVAL	BYNETIF_MAC_ADDR
Process Metric Class	
PROC_APP_NAME	PROC_CACHE_WAIT_PCT
PROC_CACHE_WAIT_TIME	PROC_CDFS_WAIT_PCT
PROC_CDFS_WAIT_TIME	PROC_CLOSE
PROC_CPU_LAST_USED	PROC_CPU_NNICE_TIME
PROC_CPU_NNICE_UTIL	PROC_CPU_SWITCHES
PROC_CPU_TRAP_COUNT	PROC_DISK_LOGL_IO
PROC_DISK_LOGL_IO_RATE	PROC_DISK_PHYS_READ
PROC_DISK_PHYS_READ_RATE	PROC_DISK_PHYS_WRITE
PROC_DISK_PHYS_WRITE_RATE	PROC_DISK_RAW_READ
PROC_DISK_RAW_READ_RATE	PROC_DISK_RAW_WRITE
PROC_DISK_RAW_WRITE_RATE	PROC_DISK_REM_LOGL_READ
PROC_DISK_REM_LOGL_READ_RATE	PROC_DISK_REM_LOGL_WRITE

PROC_DISK_REM_LOGL_WRITE_RATE	PROC_DISK_REM_PHYS_READ
PROC_DISK_REM_PHYS_READ_RATE	PROC_DISK_REM_PHYS_WRITE
PROC_DISK_REM_PHYS_WRITE_RATE	PROC_DISK_SYSTEM_READ
PROC_DISK_SYSTEM_WRITE	PROC_DISK_VM_READ
PROC_DISK_VM_WRITE	PROC_DISK_WAIT_PCT
PROC_DISK_WAIT_TIME	PROC_DISPATCH
PROC_EUID	PROC_FORK
PROC_GRAPHICS_WAIT_PCT	PROC_GRAPHICS_WAIT_TIME
PROC_GROUP_NAME	PROC_INODE_WAIT_PCT
PROC_INODE_WAIT_TIME	PROC_INTERRUPTS
PROC_INTERVAL	PROC_IPC_WAIT_PCT
PROC_IPC_WAIT_TIME	PROC_JOBCTL_WAIT_PCT
PROC_JOBCTL_WAIT_TIME	PROC_MEM_PRIVATE_RES
PROC_MEM_SHARED_RES	PROC_MEM_VFAULT_COUNT
PROC_MSG_RECEIVED	PROC_MSG_SENT
PROC_MSG_WAIT_PCT	PROC_MSG_WAIT_TIME
PROC_NICE_PRI	PROC_NONDISK_LOGL_READ
PROC_NONDISK_LOGL_WRITE	PROC_NONDISK_PHYS_READ
PROC_NONDISK_PHYS_WRITE	PROC_OPEN PROC_PIPE_WAIT_PCT
PROC_PIPE_WAIT_TIME	PROC_RPC_WAIT_PCT
PROC_RPC_WAIT_TIME	PROC_SCHEDULER
PROC_SIGNAL	PROC_SOCKET_WAIT_PCT
PROC_SOCKET_WAIT_TIME	PROC_STATE
PROC_STOP_REASON_FLAG	PROC_STREAM_WAIT_PCT

PROC_STREAM_WAIT_TIME	PROC_SWAP PROC_THREAD_ID
PROC_TIME	PROC_TOP_CPU_INDEX
PROC_TOP_DISK_INDEX	PROC_TOTAL_WAIT_TIME
PROC_TTY_DEV	PROC_UID
PROC_USER_THREAD_ID	PROC_USRPRI
Transaction Metric Class	
TT_ABORT_WALL_TIME	TT_APPNO
TT_CACHE_WAIT_TIME_PER_TRAN	TT_CDFS_WAIT_TIME_PER_TRAN
TT_CPU_CSWITCH_TIME_PER_TRAN	TT_CPU_INTERRUPT_TIME_PER_TRAN
TT_CPU_NICE_TIME_PER_TRAN	TT_CPU_NNICE_TIME_PER_TRAN
TT_CPU_NORMAL_TIME_PER_TRAN	TT_CPU_REALTIME_TIME_PER_TRAN
TT_CPU_SYSCALL_TIME_PER_TRAN	TT_CPU_SYS_MODE_TIME_PER_TRAN
TT_CPU_USER_MODE_TIME_PER_TRAN	TT_DISK_FS_READ_PER_TRAN
TT_DISK_FS_WRITE_PER_TRAN	TT_DISK_LOGL_READ_PER_TRAN
TT_DISK_LOGL_WRITE_PER_TRAN	TT_DISK_PHYS_READ_PER_TRAN
TT_DISK_PHYS_WRITE_PER_TRAN	TT_DISK_RAW_READ_PER_TRAN
TT_DISK_RAW_WRITE_PER_TRAN	TT_DISK_SYSTEM_READ_PER_TRAN
TT_DISK_SYSTEM_WRITE_PER_TRAN	TT_DISK_VM_READ_PER_TRAN
TT_DISK_VM_WRITE_PER_TRAN	TT_DISK_WAIT_TIME_PER_TRAN
TT_FAILED_WALL_TIME	TT_GOLDENRESOURCE_INTERVAL
TT_GRAPHICS_WAIT_TIME_PER_TRAN	TT_INODE_WAIT_TIME_PER_TRAN

TT_INPROGRESS_COUNT	TT_INTERVAL
TT_IPC_WAIT_TIME_PER_TRAN	TT_JOBCTL_WAIT_TIME_PER_TRAN
TT_LAN_WAIT_TIME_PER_TRAN	TT_MEASUREMENT_COUNT
TT_MEM_WAIT_TIME_PER_TRAN	TT_MSG_WAIT_TIME_PER_TRAN
TT_NFS_WAIT_TIME_PER_TRAN	TT_OTHER_IO_WAIT_TIME_PER_TRAN
TT_OTHER_WAIT_TIME_PER_TRAN	TT_PIPE_WAIT_TIME_PER_TRAN
TT_PRI_WAIT_TIME_PER_TRAN	TT_RESOURCE_INTERVAL
TT_RPC_WAIT_TIME_PER_TRAN	TT_SEM_WAIT_TIME_PER_TRAN
TT_SLEEP_WAIT_TIME_PER_TRAN	TT_SOCKET_WAIT_TIME_PER_TRAN
TT_STREAM_WAIT_TIME_PER_TRAN	TT_SYS_WAIT_TIME_PER_TRAN
TT_TERM_IO_WAIT_TIME_PER_TRAN	TT_TOTAL_WAIT_TIME_PER_TRAN
TT_UPDATE	TT_WALL_TIME
Logical System Metric Class	
BYLS_MEM_ENTL_MAX	BYLS_MEM_ENTL_MIN
BYLS_MEM_ENTL_UTIL	BYLS_MEM_FREE
BYLS_MEM_FREE_UTIL	BYLS_MEM_HEALTH
BYLS_MEM_PHYS	BYLS_MEM_PHYS_UTIL
BYLS_MEM_USED	
Logical Volume Metric Class	
LV_AVG_READ_SERVICE_TIME	LV_AVG_WRITE_SERVICE_TIME
LV_CACHE_HIT	LV_CACHE_MISS
LV_CACHE_QUEUE	LV_CACHE_SIZE
LV_DEVNO	LV_INTERVAL
LV_OPEN_LV	LV_TYPE

Host Bus Adapter Metric Class	
BYHBA_TIME	BYHBA_INTERVAL
BYHBA_ID	BYHBA_NAME
BYHBA_DEVNAME	BYHBA_DEVNO
BYHBA_CLASS	BYHBA_DRIVER
BYHBA_STATE	BYHBA_UTIL
BYHBA_THROUGHPUT_UTIL	BYHBA_IO
BYHBA_READ	BYHBA_WRITE
BYHBA_IO_RATE	BYHBA_READ_RATE
BYHBA_WRITE_RATE	BYHBA_BYTE_RATE
BYHBA_READ_BYTE_RATE	BYHBA_WRITE_BYTE_RATE
BYHBA_REQUEST_QUEUE	BYHBA_BUSY_TIME
BYHBA_AVG_WAIT_TIME	BYHBA_AVG_SERVICE_TIME
BYHBA_TYPE	

Metrics not Supported with HPE Operations Agent 12.01

The following metrics are no longer supported with HPE Operations Agent 12.01:

Metrics not Supported on Linux Systems

Global Metric Class	
GBL_APP_THRESHOLD	GBL_BYCPU_THRESHOLD
GBL_BYDSK_THRESHOLD	GBL_BYFS_THRESHOLD
GBL_BYNETIF_THRESHOLD	GBL_COLLECT_INTERVAL
GBL_COLLECT_INTERVAL_PROC	GBL_FLUSH
GBL_LOGFILE_VERSION	GBL_LOGGING_TYPES
GBL_SUBPROCSAMPLEINTERVAL	GBL_THRESHOLD_CPU
GBL_THRESHOLD_NOKILLED	GBL_THRESHOLD_NONEW
Application Metric Class	
APP_PRI_STD_DEV	APP_PRM_LOGGING_MODE
APP_TERM_IO_WAIT_PCT	
Disk Metric Class	
BYDSK_HISTOGRAM	
Network Interface Metric Class	
BYNETIF_IN_BYTE_RATE_CUM	BYNETIF_OUT_BYTE_RATE_CUM
Process Metric Class	
PROC_CPU_TOTAL_TIME_CUM	PROC_CPU_TOTAL_UTIL_CUM
Transaction Metric Class	

TT_ABORT_WALL_TIME_PER_TRAN	TT_APP_TRAN_NAME
TTBIN_TRANS_COUNT_1	TTBIN_TRANS_COUNT_10
TTBIN_TRANS_COUNT_2	TTBIN_TRANS_COUNT_3
TTBIN_TRANS_COUNT_4	TTBIN_TRANS_COUNT_5
TTBIN_TRANS_COUNT_6	TTBIN_TRANS_COUNT_7
TTBIN_TRANS_COUNT_8	TTBIN_TRANS_COUNT_9
TTBIN_UPPER_RANGE_1	TTBIN_UPPER_RANGE_10
TTBIN_UPPER_RANGE_2	TTBIN_UPPER_RANGE_3
TTBIN_UPPER_RANGE_4	TTBIN_UPPER_RANGE_5
TTBIN_UPPER_RANGE_6	TTBIN_UPPER_RANGE_7
TTBIN_UPPER_RANGE_8	TTBIN_UPPER_RANGE_9
TT_CLIENT_ADDRESS	TT_CLIENT_ADDRESS_FORMAT
TT_CLIENT_TRAN_ID	TT_NUM_BINS
TT_USER_MEASUREMENT_AVG	TT_USER_MEASUREMENT_AVG_2
TT_USER_MEASUREMENT_AVG_3	TT_USER_MEASUREMENT_AVG_4
TT_USER_MEASUREMENT_AVG_5	TT_USER_MEASUREMENT_AVG_6
TT_USER_MEASUREMENT_MAX	TT_USER_MEASUREMENT_MAX_2
TT_USER_MEASUREMENT_MAX_3	TT_USER_MEASUREMENT_MAX_4
TT_USER_MEASUREMENT_MAX_5	TT_USER_MEASUREMENT_MAX_6
TT_USER_MEASUREMENT_MIN	TT_USER_MEASUREMENT_MIN_2
TT_USER_MEASUREMENT_MIN_3	TT_USER_MEASUREMENT_MIN_4
TT_USER_MEASUREMENT_MIN_5	TT_USER_MEASUREMENT_MIN_6
TT_USER_MEASUREMENT_NAME	TT_USER_MEASUREMENT_NAME_2
TT_USER_MEASUREMENT_NAME_3	TT_USER_MEASUREMENT_NAME_4
TT_USER_MEASUREMENT_NAME_	TT_USER_MEASUREMENT_NAME_6

5	
Logical System Metric Class	
BYLS_BOOT_TIME BYLS_CLUSTER_NAME	BYLS_CPU_CLOCK, BYLS_CPU_CYCLE_ENTL_MAX
BYLS_CPU_ENTL_EMIN, BYLS_CPU_ENTL_MAX	BYLS_CPU_ENTL_MIN, BYLS_CPU_ENTL_UTIL
BYLS_CPU_MT_ENABLED, BYLS_CPU_PHYS	BYLS_CPU_PHYS_READY_UTIL
BYLS_CPU_PHYS_SYS_MODE_UTIL	BYLS_CPU_PHYS_TOTAL_TIME
BYLS_CPU_PHYS_TOTAL_UTIL	BYLS_CPU_PHYS_USER_MODE_UTIL
BYLS_CPU_PHYS_WAIT_UTIL	BYLS_CPU_SHARES_PRIO
BYLS_CPU_SYS_MODE_UTIL	BYLS_CPU_TOTAL_UTIL
BYLS_CPU_UNRESERVED	BYLS_CPU_USER_MODE_UTIL
BYLS_DATACENTER_NAME	BYLS_DISK_PHYS_BYTE
BYLS_DISK_PHYS_BYTE_RATE	BYLS_DISK_PHYS_READ
BYLS_DISK_PHYS_READ_BYTE_RATE	BYLS_DISK_PHYS_READ_RATE
BYLS_DISK_PHYS_WRITE	BYLS_DISK_PHYS_WRITE_BYTE_RATE
BYLS_DISK_PHYS_WRITE_RATE	BYLS_DISK_UTIL
BYLS_DISK_UTIL_PEAK	BYLS_DISPLAY_NAME
BYLS_IP_ADDRESS	BYLS_LS_HOST_HOSTNAME
BYLS_LS_HOSTNAME	BYLS_LS_ID
BYLS_LS_MODE	BYLS_LS_NAME
BYLS_LS_OSTYPE	BYLS_LS_PARENT_TYPE
BYLS_LS_PARENT_UUID	BYLS_LS_PATH
BYLS_LS_ROLE	BYLS_LS_SHARED

BYLS_LS_STATE	BYLS_LS_TYPE
BYLS_LS_UUID	BYLS_MACHINE_MODEL
BYLS_MEM_ACTIVE	BYLS_MEM_AVAIL
BYLS_MEM_BALLOON_USED	BYLS_MEM_BALLOON_UTIL
BYLS_MEM_ENTL	BYLS_MEM_ENTL_MAX
BYLS_MEM_ENTL_MIN	BYLS_MEM_ENTL_UTIL
BYLS_MEM_FREE	BYLS_MEM_FREE_UTIL
BYLS_MEM_HEALTH	BYLS_MEM_OVERHEAD
BYLS_MEM_PHYS	BYLS_MEM_PHYS_UTIL
BYLS_MEM_SHARES_PRIO	BYLS_MEM_SWAPIN
BYLS_MEM_SWAPOUT	BYLS_MEM_SWAPPED
BYLS_MEM_SWAPTARGET	BYLS_MEM_SWAP_UTIL
BYLS_MEM_SYS	BYLS_MEM_UNRESERVED
BYLS_MEM_USED	BYLS_NET_BYTE_RATE
BYLS_NET_IN_BYTE	BYLS_NET_IN_PACKET
BYLS_NET_IN_PACKET_RATE	BYLS_NET_OUT_BYTE
BYLS_NET_OUT_PACKET	BYLS_NET_OUT_PACKET_RATE
BYLS_NET_PACKET_RATE	BYLS_NUM_ACTIVE_LS
BYLS_NUM_CPU	BYLS_NUM_CPU_CORE
BYLS_NUM_DISK BYLS_NUM_LS	BYLS_NUM_NETIF
BYLS_NUM_SOCKET	BYLS_UPTIME_HOURS
BYLS_UPTIME_SECONDS	BYLS_VC_IP_ADDRESS

Metrics not Supported on Windows Systems

Global Metric Class

GBL_APP_THRESHOLD	GBL_BYCPU_THRESHOLD
GBL_BYDSK_THRESHOLD	GBL_BYFS_THRESHOLD
GBL_BYNETIF_THRESHOLD	GBL_COLLECT_INTERVAL
GBL_COLLECT_INTERVAL_PROC	GBL_CPU_HISTOGRAM
GBL_DISK_HISTOGRAM	GBL_FLUSH
GBL_LOGFILE_VERSION	GBL_LOGGING_TYPES
GBL_MEM_PAGEIN	GBL_MEM_PAGEOUT
GBL_THRESHOLD_CPU	GBL_THRESHOLD_NOKILLED
GBL_THRESHOLD_NONEW	
Disk Metric Class	
BYDSK_HISTOGRAM	
Process Metric Class	
PROC_CPU_TOTAL_TIME_CUM	PROC_CPU_TOTAL_UTIL_CUM
PROC_IO_BYTE_CUM	PROC_IO_BYTE_RATE_CUM
Transaction Metric Class	
TT_ABORT_WALL_TIME_PER_TRAN	TT_APP_TRAN_NAME
TTBIN_TRANS_COUNT_1	TTBIN_TRANS_COUNT_10
TTBIN_TRANS_COUNT_2	TTBIN_TRANS_COUNT_3
TTBIN_TRANS_COUNT_4	TTBIN_TRANS_COUNT_5
TTBIN_TRANS_COUNT_6	TTBIN_TRANS_COUNT_7
TTBIN_TRANS_COUNT_8	TTBIN_TRANS_COUNT_9
TTBIN_UPPER_RANGE_1	TTBIN_UPPER_RANGE_10
TTBIN_UPPER_RANGE_2	TTBIN_UPPER_RANGE_3
TTBIN_UPPER_RANGE_4	TTBIN_UPPER_RANGE_5
TTBIN_UPPER_RANGE_6	TTBIN_UPPER_RANGE_7

TTBIN_UPPER_RANGE_8	TTBIN_UPPER_RANGE_9
TT_NUM_BINS	TT_TERM_TRAN_1_HR_RATE
TT_USER_MEASUREMENT_AVG	TT_USER_MEASUREMENT_AVG_2
TT_USER_MEASUREMENT_AVG_3	TT_USER_MEASUREMENT_AVG_4
TT_USER_MEASUREMENT_AVG_5	TT_USER_MEASUREMENT_AVG_6
TT_USER_MEASUREMENT_COUNT	TT_USER_MEASUREMENT_COUNT_2
TT_USER_MEASUREMENT_COUNT_3	TT_USER_MEASUREMENT_COUNT_4
TT_USER_MEASUREMENT_COUNT_5	TT_USER_MEASUREMENT_COUNT_6
TT_USER_MEASUREMENT_MAX	TT_USER_MEASUREMENT_MAX_2
TT_USER_MEASUREMENT_MAX_3	TT_USER_MEASUREMENT_MAX_4
TT_USER_MEASUREMENT_MAX_5	TT_USER_MEASUREMENT_MAX_6
TT_USER_MEASUREMENT_MIN	TT_USER_MEASUREMENT_MIN_2
TT_USER_MEASUREMENT_MIN_3	TT_USER_MEASUREMENT_MIN_4
TT_USER_MEASUREMENT_MIN_5	TT_USER_MEASUREMENT_MIN_6
TT_USER_MEASUREMENT_NAME	TT_USER_MEASUREMENT_NAME_2
TT_USER_MEASUREMENT_NAME_3	TT_USER_MEASUREMENT_NAME_4
TT_USER_MEASUREMENT_NAME_5	TT_USER_MEASUREMENT_NAME_6
Logical System Metric Class	
BYLS_CPU_ENTL_MAX	BYLS_CPU_ENTL_MIN
BYLS_CPU_ENTL_UTIL	BYLS_CPU_PHYSC
BYLS_CPU_PHYS_SYS_MODE_UTIL	BYLS_CPU_PHYS_TOTAL_TIME
BYLS_CPU_PHYS_TOTAL_UTIL	BYLS_CPU_PHYS_USER_MODE_UTIL
BYLS_CPU_SHARES_PRIO	BYLS_DISPLAY_NAME

BYLS_HYPCALL	BYLS_HYP_UTIL
BYLS_LS_HOSTNAME	BYLS_LS_ID
BYLS_LS_MODE	BYLS_LS_NAME
BYLS_LS_OSTYPE	BYLS_LS_PATH
BYLS_LS_PROC_ID	BYLS_LS_SHARED
BYLS_LS_STATE	BYLS_LS_UUID
BYLS_MEM_ENTL	BYLS_NUM_CPU
BYLS_NUM_DISK	BYLS_NUM_NETIF
BYLS_UPTIME_SECONDS	

Metrics not Supported on AIX Systems

Global Metric Class	
GBL_APP_THRESHOLD	GBL_BYCPU_THRESHOLD
GBL_BYDSK_THRESHOLD	GBL_BYFS_THRESHOLD
GBL_BYNETIF_THRESHOLD	GBL_COLLECT_INTERVAL
GBL_COLLECT_INTERVAL_PROC	GBL_CPU_HISTOGRAM
GBL_DISK_HISTOGRAM	GBL_FLUSH
GBL_LOGFILE_VERSION	GBL_LOGGING_TYPES
GBL_OTHER_QUEUE	GBL_SUBPROCSAMPLEINTERVAL
GBL_THRESHOLD_CPU	GBL_THRESHOLD_DISK
GBL_THRESHOLD_NOKILLED	GBL_THRESHOLD_NONEW
Application Metric Class	
APP_PRI_STD_DEV	
Disk Metric Class	
BYDSK_HISTOGRAM	

Process Metric Class	
PROC_CPU_TOTAL_TIME_CUM	PROC_CPU_TOTAL_UTIL_CUM
PROC_DISK_BLOCK_IO_CUM	PROC_DISK_BLOCK_IO_RATE_CUM
PROC_IO_BYTE_CUM	PROC_IO_BYTE_RATE_CUM
Transaction Metric Class	
TT_ABORT_WALL_TIME_PER_TRAN	TT_APP_TRAN_NAME
TT_TERM_TRAN_1_HR_RATE	

Metrics not Supported on Solaris Systems

Global Metric Class	
GBL_APP_THRESHOLD	GBL_BYCPU_THRESHOLD
GBL_BYDSK_THRESHOLD	GBL_BYFS_THRESHOLD
GBL_BYNETIF_THRESHOLD	GBL_COLLECT_INTERVAL
GBL_COLLECT_INTERVAL_PROC	GBL_CPU_HISTOGRAM
GBL_DISK_HISTOGRAM	GBL_FLUSH
GBL_LOGFILE_VERSION	GBL_LOGGING_TYPES
GBL_LV_THRESHOLD	GBL_OTHER_QUEUE
GBL_SLEEP_QUEUE	GBL_SUBPROCSAMPLEINTERVAL
GBL_THRESHOLD_CPU	GBL_THRESHOLD_DISK
GBL_THRESHOLD_NOKILLED	GBL_THRESHOLD_NONEW
GBL_ZONE_APP	
Disk Metric Class	
BYDSK_HISTOGRAM	
File System Metric Class	
FS_DEVNAME_ALIAS	FS_DIRNAME_ALIAS

Process Metric Class	
PROC_CPU_TOTAL_TIME_CUM	PROC_CPU_TOTAL_UTIL_CUM
PROC_DISK_BLOCK_IO_CUM	PROC_DISK_BLOCK_IO_RATE_CUM
PROC_IO_BYTE_CUM	PROC_IO_BYTE_RATE_CUM
Transaction Metric Class	
TT_APP_TRAN_NAME	
Logical Volume Metric Class	
LV_DEVNAME_ALIAS	LV_DIRNAME_ALIAS

Metrics not Supported on HP-UX Systems

Global Metric Class	
GBL_APP_THRESHOLD	GBL_BYCPU_THRESHOLD
GBL_BYDISK_THRESHOLD	GBL_BYFS_THRESHOLD
GBL_BYNETIF_THRESHOLD	GBL_COLLECT_INTERVAL
GBL_COLLECT_INTERVAL_PROC	GBL_CPU_HISTOGRAM
GBL_DISK_HISTOGRAM	GBL_FLUSH
GBL_LOGFILE_VERSION	GBL_LOGGING_TYPES
GBL_THRESHOLD_NOKILLED	GBL_THRESHOLD_NONEW
GBL_LV_THRESHOLD	GBL_MEM_SWAP_1_HR_RATE
GBL_QUEUE_HISTOGRAM	GBL_THRESHOLD_CPU
GBL_THRESHOLD_DISK	GBL_THRESHOLD_NOKILLED
GBL_THRESHOLD_NONEW	GBL_THRESHOLD_SHORTLIVED
GBL_THRESHOLD_WAIT_CPU	GBL_THRESHOLD_WAIT_DISK
GBL_THRESHOLD_WAIT_IMPEDE	GBL_THRESHOLD_WAIT_MEMORY
Application Metric Class	

APP_PRI_STD_DEV	APP_PRM_LOGGING_MODE
APP_TERM_IO_WAIT_PCT	
Disk Metric Class	
BYDSK_HISTOGRAM	
Network Interface Metric Class	
BYNETIF_IN_BYTE_RATE_CUM	BYNETIF_OUT_BYTE_RATE_CUM
Process Metric Class	
PROC_STOP_HISTOGRAM	PROC_CPU_TOTAL_TIME_CUM
PROC_CPU_TOTAL_UTIL_CUM	PROC_DISK_FS_IO
PROC_DISK_FS_IO_RATE	PROC_DISK_LOGL_IO_CUM
PROC_DISK_LOGL_IO_RATE_CUM	PROC_DISK_PHYS_IO
PROC_DISK_PHYS_IO_CUM	PROC_DISK_PHYS_IO_RATE_CUM
PROC_IO_BYTE_CUM	PROC_IO_BYTE_RATE_CUM
Transaction Metric Class	
TT_ABORT_WALL_TIME_PER_TRAN	TT_APP_TRAN_NAME TTBIN_TRANS_COUNT_1
TTBIN_TRANS_COUNT_10	TTBIN_TRANS_COUNT_2
TTBIN_TRANS_COUNT_3	TTBIN_TRANS_COUNT_4
TTBIN_TRANS_COUNT_5	TTBIN_TRANS_COUNT_6
TTBIN_TRANS_COUNT_7	TTBIN_TRANS_COUNT_8
TTBIN_TRANS_COUNT_9	TTBIN_UPPER_RANGE_1
TTBIN_UPPER_RANGE_10	TTBIN_UPPER_RANGE_2
TTBIN_UPPER_RANGE_3	TTBIN_UPPER_RANGE_4
TTBIN_UPPER_RANGE_5	TTBIN_UPPER_RANGE_6
TTBIN_UPPER_RANGE_7	TTBIN_UPPER_RANGE_8

TTBIN_UPPER_RANGE_9	TT_NUM_BINS
TT_TERM_TRAN_1_HR_RATE	TT_USER_MEASUREMENT_AVG
TT_USER_MEASUREMENT_AVG_2	TT_USER_MEASUREMENT_AVG_3
TT_USER_MEASUREMENT_AVG_4	TT_USER_MEASUREMENT_AVG_5
TT_USER_MEASUREMENT_AVG_6	TT_USER_MEASUREMENT_COUNT
TT_USER_MEASUREMENT_COUNT_2	TT_USER_MEASUREMENT_COUNT_3
TT_USER_MEASUREMENT_COUNT_4	TT_USER_MEASUREMENT_COUNT_5
TT_USER_MEASUREMENT_COUNT_6	TT_USER_MEASUREMENT_MAX
TT_USER_MEASUREMENT_MAX_2	TT_USER_MEASUREMENT_MAX_3
TT_USER_MEASUREMENT_MAX_4	TT_USER_MEASUREMENT_MAX_5
TT_USER_MEASUREMENT_MAX_6	TT_USER_MEASUREMENT_MIN
TT_USER_MEASUREMENT_MIN_2	TT_USER_MEASUREMENT_MIN_3
TT_USER_MEASUREMENT_MIN_4	TT_USER_MEASUREMENT_MIN_5
TT_USER_MEASUREMENT_MIN_6	TT_USER_MEASUREMENT_NAME
TT_USER_MEASUREMENT_NAME_2	TT_USER_MEASUREMENT_NAME_3
TT_USER_MEASUREMENT_NAME_4	TT_USER_MEASUREMENT_NAME_5
TT_USER_MEASUREMENT_	

NAME_6	
Logical Volume Metric Class	
LV_LOGL_READ	LV_LOGL_WRITE
LV_SPACE_UTIL	

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