

**Solution: Microsoft Exchange 2007**

Versions supported: Microsoft Exchange 2007  
 Description: The Longitude Exchange 2007 solution provides comprehensive out-of-the-box monitoring for your Exchange 2007 environment, enabling you to quickly identify performance issues and resolve problems faster.

Rule	Description
<b>Disk space and I/O</b>	
Exs_DiskSpaceLow	Reports when the disk space is low.
Exs_DiskBusyPctHigh	Reports when the disk utilization is high.
<b>Folders</b>	
Exs_FolderTooManyMessages	Reports when the total number of messages in one or more public folders is too high.
Exs_FolderTooMuchStorage	Reports when the total size in megabytes of one or more folders is too high.
<b>Mailboxes</b>	
Exs_MailboxTooManyMessages	Reports when the total number of messages in one or more mailboxes is too high.
Exs_MailboxTooMuchStorage	Reports when the total size in megabytes of one or more mailboxes is too high.
<b>Queue and RPC</b>	
Exs_HighMessageQueue	Reports high number of messages in any of the queues.
Exs_HighRPCRequests	Reports high number of MAPI RPC requests presently being serviced by the Microsoft Exchange Information Store service.
Exs_HighRPCLatency	Reports high RPC Latency.
<b>Resources</b>	
Exs_LowAvailableMemory	Indicates the amount of physical memory (in MB) immediately available for allocation to a process or for system use
Exs_HighPoolNonPagedBytes	Indicates the number of bytes in the kernel memory nonpaged pool. It is an area of system memory that must remain in physical memory as long as the objects are allocated.
Exs_HighPoolPagedBytes	Indicates the number of bytes in the kernel memory paged pool. It is an area of system memory for kernel objects that can be written to disk when they are not being used.
Exs_LowFreePageTableEntries	Indicates the number of system page table entries that are available. The kernel drivers use system page table entries for holding I/O and driver data in kernel memory.
Exs_HighProcessorPct	Indicates the percentage of time the processor is running non-idle threads.
Exs_HighProcessorQueLen	Indicates the number of threads in the processor queue. There is a single queue for processor time, even on computers with multiple processors. It shows ready threads only, not currently running threads.
Exs_HighDiskReadTime	Indicates the average time (in seconds) to read data from the disk. This rule is only supported for Windows 2003
Exs_HighDiskWriteTime	Indicates the average time (in seconds) to write data to the disk. This rule is only supported for Windows 2003
Exs_LowVMLargestBlock	Displays the size (in bytes) of the largest free block of virtual memory.
Exs_Low16MBFreeBlocks	Displays the total number of free virtual memory blocks that are greater than or equal to 16MB.

Rule	Description
Exs_LowTotalFreeBlocks	Displays the total number of free virtual memory blocks regardless of size. This is used to measure the degree to which available virtual memory is being fragmented.
Exs_LowTotalFreeBlockBytes	Displays the sum in bytes of all the free virtual memory blocks that are greater than or equal to 16MB. It monitors store memory fragmentation and forms a line that slopes down when memory is consumed.
Exs_HighHeapErrors	Indicates the total number of exchmem heaps that failed allocations due to insufficient available memory. This rule is not supported for Exchange 2000.
Exs_HighMemoryErrors	Indicates the total number of exchmem allocations that could not be satisfied by available memory. This rule is not supported for Exchange 2000.
Exs_HighNetworkPacketErrors	Indicates the number of outbound packets that could not be transmitted because of errors.
Exs_HighAdditionalHeaps	Indicates the total number of exchmem heaps created by store after startup. This rule is not supported for Exchange 2000.
Exs_HighPageRate	Indicates the rate at which pages are read from or written to disk to resolve hard page faults. This counter is a primary indicator of the types of faults that cause system-wide delays.
<b>Services</b>	
Exs_ServiceNotRunning	Reports when a service related to Exchange, such as MsExchangeSA or SMTPSvc, is not running.
<b>Tracking Log</b>	
Exs_DomainExcessMailRecvd	Reports when one or more domains has received too much e-mail, measured by either messages or bytes.
Exs_DomainExcessMailSent	Reports when one or more domains has sent too much e-mail, measured by either messages or bytes.
Exs_ImcExcessMailRecvd	Reports when the Internet Mail Connector has received too much e-mail, measured by either messages or bytes.
Exs_ImcExcessMailSent	Reports when the Internet Mail Connector has sent too much e-mail, measured by either messages or bytes.
Exs_UserExcessMailRecvd	Reports when one or more users has received too much e-mail, measured by either messages or bytes.
Exs_UserExcessMailSent	Reports when one or more users has sent too much e-mail, measured by either messages or bytes.
Exs_ServerExcessMailRecvd	Reports when one or more servers has received too much e-mail, measured by either messages or bytes.
Exs_ServerExcessMailSent	Reports when one or more servers has sent too much e-mail, measured by either messages or bytes.



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