

Solution:	Microsoft Exchange
Description:	The Longitude Exchange solution provide comprehensive out-of-the-box monitoring for your Exchange environments, enabling you to quickly identify performance issues and resolve problems faster.

Rule	Description
Disk space and I/O	
Exn_DiskSpaceLow	Reports when the disk space is low.
Folders	
Exn_PublicFolderTooManyMessages	Reports when the total number of messages in one or more public folders is too high.
Exn_PublicFolderTooMuchStorage	Reports when the total size in megabytes of one or more public folders is too high.
Exn_PublicFolderInactive	Reports when a public folder is inactive. This rule is not supported for Exchange 2007.
Exn_FldDatabaseNotMounted	Reports when a public folder database is not mounted. This rule is not supported for Exchange 2007.
Exn_FldDatabaseTooBig	Reports when the total size of a public folder database is too high. This rule is not supported for Exchange 2007.
Mailboxes	
Exn_MailboxTooManyMessages	Reports when the total number of messages in one or more mailboxes is too high.
Exn_MailboxTooMuchStorage	Reports when the total size in megabytes of one or more mailboxes is too high.
Exn_MailboxInactive	Reports when a mailbox is inactive. This rule is not supported for Exchange 2007.
Exn_MbxDatabaseNotMounted	Reports when a mailbox database is not mounted. This rule is not supported for Exchange 2007.
Exn_MbxDatabaseTooBig	Reports when the total size of a mailbox database is too high. This rule is not supported for Exchange 2007.
Queue and RPC	
Exn_HighMessageQueue	Reports high number of messages in any of the queues.
Exn_HighRPCRequests	Reports high number of MAPI RPC requests presently being serviced by the Microsoft Exchange Information Store service.
Exn_HighRPCLatency	Reports high RPC Latency.

Rule	Description
Resources	
Exn_LowAvailableMemory	Indicates the amount of physical memory (in MB) immediately available for allocation to a process or for system use
Exn_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.
Exn_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.
Exn_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.
Exn_HighProcessorPct	Indicates the percentage of time the processor is running non-idle threads.
Exn_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.
Exn_HighDiskReadTime	Indicates the average time (in seconds) to read data from the disk.
Exn_HighDiskWriteTime	Indicates the average time (in seconds) to write data to the disk.
Exn_LowVMLargestBlock	Displays the size (in bytes) of the largest free block of virtual memory.
Exn_Low16MBFreeBlocks	Displays the total number of free virtual memory blocks that are greater than or equal to 16MB.
Exn_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.
Exn_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.
Exn_HighHeapErrors	Indicates the total number of exchmem heaps that failed allocations due to insufficient available memory.
Exn_HighMemoryErrors	Indicates the total number of exchmem allocations that could not be satisfied by available memory.
Exn_HighNetworkPacketErrors	Indicates the number of outbound packets that could not be transmitted because of errors.
Exn_HighAdditionalHeaps	Indicates the total number of exchmem heaps created by store after startup.

Rule	Description
Exn_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.
Services	
Exn_ServiceNotRunning	Reports when a service related to Exchange, such as MsExchangeSA or SMTPSvc, is not running.
Tracking Log	
Exn_DomainExcessMailRecvd	Reports when one or more domains has received too much e-mail, measured by either messages or bytes.
Exn_DomainExcessMailSent	Reports when one or more domains has sent too much e-mail, measured by either messages or bytes.
Exn_ImcExcessMailRecvd	Reports when the Internet Mail Connector has received too much e-mail, measured by either messages or bytes.
Exn_ImcExcessMailSent	Reports when the Internet Mail Connector has sent too much e-mail, measured by either messages or bytes.
Exn_UserExcessMailRecvd	Reports when one or more users has received too much e-mail, measured by either messages or bytes.
Exn_UserExcessMailSent	Reports when one or more users has sent too much e-mail, measured by either messages or bytes.
Exn_ServerExcessMailRecvd	Reports when one or more servers has received too much e-mail, measured by either messages or bytes.
Exn_ServerExcessMailSent	Reports when one or more servers has sent too much e-mail, measured by either messages or bytes.



www.heroix.com

165 Bay State Drive
 Braintree, MA 02184
 Telephone: 781-848-1701
info@heroix.com

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