Solution:	Microsoft Exchange
Versions supported:	Microsoft Exchange 2000, 2003
Description:	The Longitude Exchange solution provides comprehensive out-of-the-box monitoring for your Exchange environment. Longitude proactively monitors key Exchange performance metrics to ensure that your Exchange environment is running optimally and alerts you when there is a problem. Longitude also provides pre-configured, on-demand reports and graphs of key performance metrics to help you proactively take action and ensure maximum Exchange availability. By monitoring availability and collecting critical Exchange attributes, users can quickly identify performance problems and resolve problems faster.

Rule	Description
Disk space and utilization	
Exc_DiskSpaceLow	Reports when the disk space is low.
Exc_DiskBusyPctHigh	Reports when the disk utilization high.
Folders	
Exc_FolderTooManyMessages	Reports when the total number of messages in one or more public folders is too high.
Exc_FolderTooMuchStorage	Reports when the total size in megabytes of one or more folders is too high.
Mailboxes	
Exc_MailboxTooManyMessages	Reports when the total number of messages in one or more mailboxes is too high.
Exc_MailboxTooMuchStorage	Reports when the total size in megabytes of one or more mailboxes is too high.
Queue and RPC	
Exc_HighLocalQueue	Reports high number of messages in the SMTP queue for remote delivery.
Exc_HighRemoteQueue	Reports high number of messages in the SMTP queue for remote delivery.
Exc_HighCategorizerQueue	Reports high number of messages in the SMTP queue for DS attribute searches
Exc_HighMailboxSendQue	Reports high number of messages in the mailbox store's send queue
Exc_HighMailboxRecQue	Reports high number of messages in the mailbox store's receive queue
Exc_HighPublicSendQue	Reports high number of messages in the public folder's send queue
Exc_HighPublicRecQue	Reports high number of messages in the public folder's receive queue
Exc_HighRPCRequests	Reports high number of MAPI RPC requests presently being serviced by the Microsoft Exchange Information Store service.
Exc_HighRPCLatency	Reports high RPC Latency.
Exc_HighDAVClientOutQue	Reports high number of messages in the queue containing WebDAV messages sent by the Inetinfo.exe process
Exc_HighDAVStoreOutQue	Reports high number of messages in the queue containing WebDAV messages sent by the store.exe process
Exc_HighDSClientOutQue	Reports high number of messages in the queue containing DSAccess messages sent by the Inetinfo.exe process
Exc_HighDSStoreOutQue	Reports high number of messages in the queue containing DSAccess messages sent by the store.exe process

Rule	Description
Exc_HighIMAPClientOutQue	Reports high number of messages in the queue containing IMAP4 messages sent by the Inetinfo.exe process
Exc_HighIMAPStoreOutQue	Reports high number of messages in the queue containing IMAP4 messages sent by the store.exe process
Exc_HighNNTPClientOutQue	Reports high number of messages in the queue containing NNTP messages sent by the Inetinfo.exe process
Exc_HighNNTPStoreOutQue	Reports high number of messages in the queue containing NNTP messages sent by the Store.exe process
Exc_HighPOPClientOutQue	Reports high number of messages in the queue containing POP3 messages sent by the Inetinfo.exe process
Exc_HighPOPStoreOutQue	Reports high number of messages in the queue containing POP3 messages sent by the Store.exe process
Exc_HighSMTPClientOutQue	Reports high number of messages in the queue containing SMTP messages sent by the Inetinfo.exe process
Exc_HighSMTPStoreOutQue	Reports high number of messages in the queue containing SMTP messages sent by the Store.exe process
Resources	
Exc_LowAvailableMemory	Indicates the amount of physical memory (in MB) immediately available for allocation to a process or for system use
Exc_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.
Exc_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.
Exc_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.
Exc_HighProcessorPct	Indicates the percentage of time the processor is running non-idle threads.
Exc_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 threads that are currently running.
Exc_HighDiskReadTime	Indicates the average time (in seconds) to read data from the disk. This rule is only supported for Windows 2003
Exc_HighDiskWriteTime	Indicates the average time (in seconds) to write data to the disk. This rule is only supported for Windows 2003
Exc_LowVMLargestBlock	Displays the size (in bytes) of the largest free block of virtual memory.
Exc_Low16MBFreeBlocks	Displays the total number of free virtual memory blocks that are greater than or equal to 16MB.
Exc_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.
Exc_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.

Rule	Description
Exc_HighHeapErrors	Indicates the total number of exchmem heaps that failed allocations due to insufficient available memory. This rule is not supported for Exchange 2000.
Exc_HighMemoryErrors	Indicates the total number of exchmem allocations that could not satisfied by available memory. This rule is not supported for Exchange 2000.
Exc_HighAdditionalHeaps	Indicates the total number of exchmem heaps created by store after startup. This rule is not supported for Exchange 2000.
Exc_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	
Exc_ServiceNotRunning	Reports when a service related to Exchange, such as MsExchangeSA or SMTPSvc, is not running.
Tracking Log	
Exc_DomainExcessMailRecvd	Reports when one or more domains has received too much e-mail, measured by either messages or bytes.
Exc_DomainExcessMailSent	Reports when one or more domains has sent too much e-mail, measured by either messages or bytes.
Exc_ImcExcessMailRecvd	Reports when the Internet Mail Connector has received too much e-mail, measured by either messages or bytes.
Exc_ImcExcessMailSent	Reports when the Internet Mail Connector has sent too much e-mail, measured by either messages or bytes.
Exc_UserExcessMailRecvd	Reports when one or more users has received too much e-mail, measured by either messages or bytes.
Exc_UserExcessMailSent	Reports when one or more users has sent too much e-mail, measured by either messages or bytes.
Exc_ServerExcessMailRecvd	Reports when one or more servers has received too much e-mail, measured by either messages or bytes.
Exc_ServerExcessMailSent	Reports when one or more servers has sent too much e-mail, measured by either messages or bytes.
Exc_SiteExcessMailRecvd	Reports when one or more sites has received too much e-mail, measured by either messages or bytes.
Exc_SiteExcessMailSent	Reports when one or more sites has sent too much e-mail, measured by either messages or bytes.

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