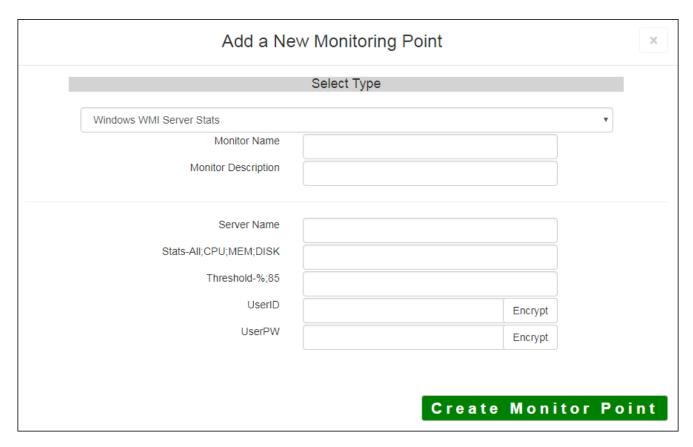
## Windows WMI Server Stats



The Windows WMI Server Stats monitoring point reviews selected server statistics and reports back to the user. A threshold can be entered, and if that threshold is exceeded a warning can be issued.

Four different sub checks may be performed within this check. These sub checks may be performed either all in one check, or a point/check may be set up individually. The four sub checks are as follows:

ALL - performs CPU, MEM, and DISK checks

CPU - Checks total CPU percent usage

MEM - Checks percent of physical memory used

DISK - Checks percent of disk space used (up to 8 local/physical disks)

**Note:** This point will only check Windows Servers via WMI (Windows Management Instrumentation). In addition, this point will only check Windows servers on the same LAN as the GeoSystems Monitor server, as WMI uses DCOM ports to communicate.

The parameters that are unique to the Windows WMI Server Stats include:

Server Name	Remote server name to check
Stats	<ul> <li>"ALL" will check CPU, MEM, and DISK. Only CPU percent usage will returned/graphed.</li> </ul>
	<ul> <li>"CPU" will check total CPU percent usage. Total CPU percent usage v returned/graphed.</li> </ul>
	<ul> <li>"MEM" will check percent of physical memory used. Percent of physical will be returned/graphed.</li> </ul>
	"MEM:COMMIT" will check 'Commit Charge' memory, both physical a

	<ul> <li>"MEM:OVERCOMMIT" will calculate a percentage of commit memory memory to check for possible memory thrashing - over 20 concern, over issue (depending on type of server).</li> </ul>
	<ul> <li>"MEM:PAGES" will check the rate at which the system is paging mem from disk. Takes 3 samples at 5 sec intervals and averages. Pages/sec primary indicator of the kinds of faults that cause system-wide delays 10-20 concern, 20-100 issue).</li> </ul>
	<ul> <li>"DISK" will check percent of disk space used. Up to eight local disks of Disk 1 percent space used will be returned/graphed.</li> </ul>
	• "DISK:D" will check Disk Drive D. Percent space used for Disk Drive I returned/graphed.
	• "SERVICE: <servicename>:cpu" or mem - mem, checks in MBs(thres checks in %(threshold)</servicename>
	• "PROCESS: <processname>:cpu" or mem - mem, checks in MBs(threschecks in %(threshold)</processname>
	• "SERVICE:debug:cpu" or "PROCESS:debug:cpu" - lists all services o debug log.
Threshold-%;85	A number representing a threshold percentage when the point/check is consi This threshold will apply to any/all metrics (for example, 85 would indicate the 85% CPU usage or 85% of Memory usage, etc.).
userID	Either a domain user ID or a local account that will have access on the Remo monitored
	Domain account entered domain\\userID
	• Local account entered \userID (Note the use of the leading
	<b>Note:</b> userID should be entered as encrypted information
userPW	Password associated with userID account
	<b>Note:</b> userPW should be entered as encrypted information
Note: When configurin	ig the GeoSystems Monitor engine service, if a logon account is used to run the serv
	ervers, ex. domain account, then entering a userID and userPW shouldn't be necess
pocess to the Remote S	ervers, ex. domain account, then entering a userib and useri w shouldn't be necess

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 $\label{thm:condition} \mbox{GeoSystems Monitor Enterprise -> Product Guide $v4.1 - 4.2 -> Monitor Point Types \& Parameters -> Windows WMI Server Stats$ 

 $\underline{http://www.vestra-docs.com/index.php?View=entry\&EntryID=467}$