System Requirements

Every organization's IT infrastructure and staffing situation is unique. Depending on the size and complexity of an organization's IT infrastructure, installation and configuration of the GeoSystems Monitor® often requires a team effort where the GIS/IT Administrator, along with one or more others playing the roles of systems, network, and/or database administrators may need to be involved. GeoSystems Monitor hardware and software requirements are as follows:

Server System Requirements

- Operating System

    - Windows Server® 2008 R2

    - Windows Server® 2012

    - Windows Server® 2012 R2

    - Windows Server® 2016

- Virtual Server acceptable (VMWare®, Microsoft Hyper-V®, Citrix XenServer®)

- Minimum of 500 MB to 1 GB of hard drive space

- Recommended RAM and CPU requirements vary based on expected application use and the number of points to be monitored, as follows:

Number of Points	Without Usage Reporting		With Usage Reporting	
	RAM	CPU	RAM	CPU
1 - 100	2 GB	2	4 GB	2
101 - 200	4 GB	2	4 GB	2
201 - 400	4 GB	2	8 GB	4
401+	Contact your service representative to discuss appropriate RAM and CPU sizing.			

- .NET 3.5 Service Pack 1

- .NET 4.0

- IIS Services

- SQL Express or SQL Server (Optional)

Workstation System Requirements

JavaScript (Included in the latest IE/Edge/Firefox/Chrome browsers)

Operating System	Browsers
Windows 7®/ Windows 8®/ Windows 10®	Internet Explorer® 11 Latest Google Chrome™

	Latest Firefox
	Latest Edge
Minimal Hardware Requirements for JavaScript™	
Windows®	X86 or x64 1.6-gigahertz (GHz) or higher processor with 512-MB of RAM
Resolution	
Display 1280 x 1024 resolution	

Minimum Workstation System Requirements for Editor application (more than 100 points at a time)

- Windows® 7 Operating System

- Internet Explorer® 11 or latest Google Chrome™ Browser

- Minimum of 4GB RAM and 2 CPU

Other System Requirements

To monitor any GIS/IT resource, the GeoSystems Monitor must be able to:

- Make requests of the resource and receive responses

- Alert appropriate staff with emails and text messages

To do this the GeoSystems Monitor often must:

- Be able to go through a Proxy server to access services on the net

- Access an internal / or external Email server for alerting

- Be a member of the domain to facilitate use of Microsoft security

- Be able to reach servers to be monitored

It is important to understand and plan for these requirements during installation.