

# What is Enterprise GeoSystems Monitor?

Today's Geographic Information Systems are comprised of many components, including diverse server-based applications. Most of these applications are dependent upon each other to provide a varied array of services. Administrators of these systems are responsible for ensuring that application uptime is maximized. Meeting this expectation involves the challenge of managing the combination of GIS and database servers, websites, services, and management workflows that are present in an organization's GIS.

GeoSystems Monitor (also referred to as GeoMonitor) was developed to provide a monitoring system specific to geospatial services and related applications. GeoMonitor provides real-time monitoring, sending alerts when issues are identified. In addition, GeoMonitor stores monitoring information that is used to provide reports and charts on performance and utilization.

All monitoring is done without the need to install any software on the monitored resource; it is fully agent-less and is done remotely. The remote monitoring does more than check to make sure the service endpoint is available --- every variety of service is exercised in a way that makes sense for that service. For example, in the map service check an image is returned and analyzed to ensure that that it isn't merely a blank (or white) image.

The application is designed to provide the status of your Enterprise GIS system at a glance with the use of visual containers of the monitored points arranged on dashboard tabs. The creation of the containers of monitored points is fully automated once the GIS resources have been specified.

If one of the services being monitored fails or begins to perform poorly, an email or text message is sent to the designated individuals. Once alerted, information on the number of users and groups being affected by the outage is quickly available.

In addition to the monitoring and alerting capability, a performance history for each service being monitored can be maintained. From this history, a chart of the data can be generated with a single click. This can help identify recurring problems and assist in debugging complex systems issues.

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