Diagnostics – a Monitoring Solution to build on for the future

Monitoring Solutions in general are designed to ensure greater reliability and utilization, improved operations, enhanced security and reduced costs without impacting the performance of the system. This constant overview provides real-time status and inconsistencies in a dashboard that managers can quickly review as to how the system is used.

Similarly, Diagnostics out-of-the-box can facilitate such a proactive approach. The Diagnostics monitoring solution for GE Smallworld helps customers achieve these goals, without impacting the GE Smallworld performance yet all the while providing a constant overview of its use and preventing the severe implications if it breaks down, is used improperly or does not perform.

Innovative and Flexible operator environment

Move beyond just guessing how your production is performing and know precisely what is happening. Detailed information on networks, downtime, quality, performance, business processes and more – visualised and made easy for you to understand. Getting a holistic comprehensive view of how your GE Smallworld environment is performing at any given time is essential in keeping focus at the most critical tasks at hand and not wasting time.

Keep track of what's most important

One of the most important features in such a system is the ability to log the whole range of activity within GE Smallworld. No need to run complicated queries or wait for other people to run reports for you. Your dashboard is always up to date with real-time data, KPI's and insights that can be customised to match the needs of every user in your company. It is a hyper-flexible environment designed to meet your needs in monitoring.

Prevent Data Corruption

Real-time data monitoring (RTDM) is a process through which an administrator can review, evaluate and modify the addition, deletion, modification and use of data on software, a database or a system. It enables data administrators to review the overall business processes and functions performed on the data in real time, or as it happens, through graphical charts and bars on a central interface/dashboard.

Alarm Management for faster resolution

Diagnostics is the best and most advanced alarm system in the GE Smallworld environment where alerts about users, networks, file sizes, super files, checkpoints, versions and latency can preempt problems before they happen. When business processes are not followed, an immediate alert can be generated and investigated.

Data logging to keep the history

Data is stored in a "Big Data" database where it's easy to create dashboards to visualize trends based on raw data. Visualize the improvements of changes made to the GE Smallworld environment as new releases are implemented. Make migrations much easier by excluding non-used functions in the migration process.

Intuitive Reporting

Reporting is also a critical function. Easily keep track of all your production data and discover opportunities for improvements with reports on time usage, downtime, quantities and cycle times. Custom reports are also available. It also keeps track of all errors, including errors not seen by the user.

Customer Quotations

Enexis - "Diagnostics has shown that Quality Manager is a laborious and time-consuming factor in the registration process. By optimizing this process, we now see in Diagnostics that QM activity as well as the number of reported QM flags has been halved."

SECO - "It has certainly been an enlightening endeavor to better understand the issues that were causing us pain for so long."

Alliander - "Diagnostics facilitated a removal of 33% of the functionality of our bespoke gas application"

TNB - "98% time gain is seen by Admin users for daily monitoring activities using Diagnostics"