

STRATUS® ALWAYS-ON INFRASTRUCTURE FOR IIoT

End-to-end solution enables smart modern **CONTINUOUS OPERATIONS** for Industrial Automation

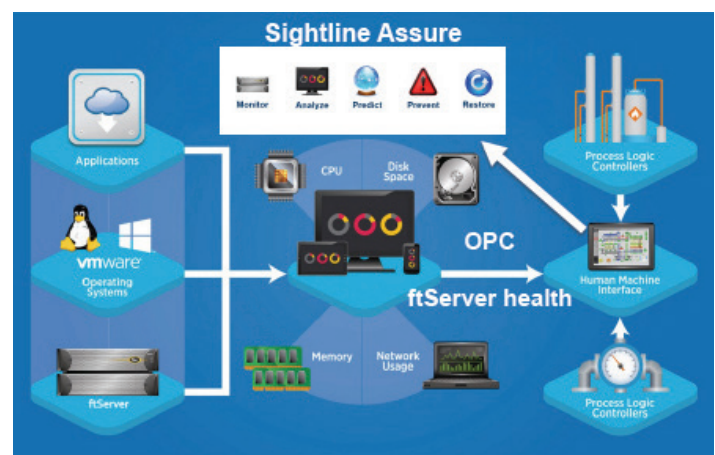
Many industries are continually exploring ways to manage the complexity of their Industrial Automation systems while simultaneously increasing productivity. IIoT holds great potential to improve overall supply chain efficiency and realize future productivity gains. However, in order to achieve maximum potential, these new capabilities need to be reliable and operationally proven, easy to manage with existing resources, and in line with IT standards.

The Stratus Always-On Infrastructure for IIoT features Stratus ftServer® technology with VMware® vSphere 6.0, as well as application monitoring and OPC integration. This solution tackles the complexity and risk often associated with Industrial Automation technologies by bringing the best of both worlds to OT and IT. For OT organizations, it delivers an operationally simple platform, an intuitive dashboard with visibility into system and application health, and continuous availability with no data loss. And for IT, it provides a standard platform that can be integrated into existing management and security processes.

The Always-On Infrastructure for IIoT combines continuous availability and virtualization with operational and maintenance visibility. The result is increased productivity at reduced costs with easy maintenance for business-critical Industrial Automation systems, in one integrated solution.

Key Benefits

- Continuous availability with no data loss
- The easiest, most reliable way to deploy virtualization at the production line
- An industry standard platform that can be easily integrated into existing management and security processes
- End to end monitoring, from the hardware to the OS and virtualized applications (from a single pane of glass)
- OPC integration provides a simple, elegant way to monitor the health of the servers from the HMI



A complete system view with simple diagnostics. Built to work with leading HMI Industrial Automation systems to anticipate performance issues and prevent downtime and data loss before it occurs.



Stratus is streamlining and simplifying the availability and management of industrial applications in four ways:

Operational Simplicity – By consolidating traditionally disparate systems, ftServer Gen8 VMware® reduces the complex footprint of multiple devices into a single, easy to manage, high-performance solution.

Full Visibility – By integrating Sightline Assure®, Stratus delivers full visibility across the entire infrastructure (from bare metal to the applications), enabling continuous monitoring in order to predict performance issues in advance, and prevent unplanned downtime and data loss.

Open Platform Communications – By adopting the OPC standard the Stratus solution becomes an integral part of the entire automation implementation and is part of the overall HMI picture.

Industry Standard Platform – By providing an industry standard server architecture the Stratus solution can be easily integrated into existing IT management and security processes.

Stratus servers require no application or server modification to provide fault tolerance out of the box, and are remotely monitored. They remove the administrative complexity of delivering reliability in a vSphere architecture.

The Stratus ftServer 2800, 4800 and 6800 with VMware vSphere 6 leverages Intel's latest E5-2600 v3 processors and delivers a performance gain of over 75% on previous ftServer generations.

For environments that have not yet been virtualized, the Stratus delivers the benefits of server consolidation without the risk of losing multiple applications when a server fails. It also decreases the complexity associated with other multi-component solutions. Stratus takes the risk and complexity out of virtualization by providing an always-on processing environment in one, easy to install solution.

Sightline Assure® from Stratus is an integrated component of the Stratus Always-On Infrastructure for IIoT and delivers the ability to monitor the entire ftServer system stack, from the hardware to the OS to the software applications. It continuously collects, analyzes and monitors physical and virtual system resources, and performs hundreds of continuous health checks. The monitoring of disparate systems and devices is delivered through a single unified view.

Offered as a free trial license on every ftServer, with support for VMware, Windows® and Linux® operating systems, Sightline Assure® from Stratus provides plant managers and production line operators with full visibility into the plant IT environment without the complexity of traditional IT-industry software.

Get the most reliable and maintainable Industrial Automation experience by including ftServer in your HMI, control system or production applications with the Stratus OPC Server. Now, ftServer's overall system status and component level status is viewable as a managed device within a manufacturing automation framework providing the visibility and operational simplicity you need to run your operations efficiently.

“Stratus’ Always-On Infrastructure for IIoT, with its OPC UA integration for Industrial Automation connectivity, provides the industry with a proven solution that is modern, future-ready and can address the continuous availability issues of IT/OT convergence head-on.”

Craig Resnick

Vice President Consulting, ARC Advisory Group



www.stratus.com

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