

OPC Integration



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Overview

[OPC](#) (Open Platform Communications) provides a standard software API for accessing process control equipment data. The implementation consists of a core OPC driver common to all equipment plus a vendor or 3rd party provided OPC driver for the specific equipment being monitored.

SeQent's OPC gateways gather data from one or more OPC DA, OPC HDA, or OPC UA compliant servers, evaluate the data, and define rules and criteria for when actions are to be initiated. Depending on the gateway selected, the actions may include:

- FirstPAGE software offers a generic interface to a multitude of messaging platforms, enabling simplified communication and configuration. With support for many output protocols or platforms, including email, SMS, databases, voice and two-way radios, combined with various connectivity options (serial, modem, TCP/IP, databases), it allows for a vast combination of custom implementations.
- FirstPAGE Alarm Manager software makes it so if an alarm or event occurs, it will automatically escalate through a pre-defined hierarchy until acknowledged and will send key information to the right person at the right time on whatever communication device that is configured.
- Marquee Manager software monitors manufacturing environments and sends real-time, automated messages (Alarms, Events, KPIs, OEE) to visual and audible devices, including LED/LCD displays, smartphones, tablets, and sounder devices.

SeQent's OPC gateways support any [OPC](#) server such as: [KEPWare](#), [RSLinx](#) and [Honeywell Process Solutions/ Matrikon](#), enabling the gateways to monitor any OPC compliant machine, PLC or CNC for data exceptions or alarm conditions.

OPC Integration Architecture Overview



PLC



PLC



PLC



PLC



CNC



PLC

Application Server 1



- OPC DA/HDA/UA Servers
- FirstPAGE Gateway for OPC
- FirstPAGE Alarm Manager Gateway for OPC
- Marquee Manager Gateway for OPC

Application Server 2



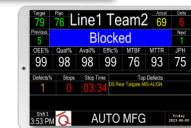
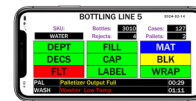
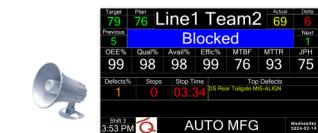
- OPC DA/HDA/UA Servers
- FirstPAGE Gateway for OPC
- FirstPAGE Alarm Manager Gateway for OPC
- Marquee Manager Gateway for OPC

Application Server 3



- OPC DA/HDA/UA Servers
- FirstPAGE Gateway for OPC
- FirstPAGE Alarm Manager Gateway for OPC
- Marquee Manager Gateway for OPC

Data Flow



Visualization/Messaging Server



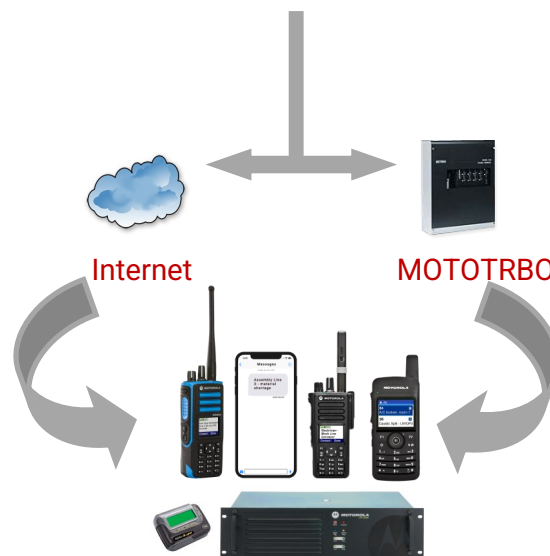
- FirstPAGE Server
- FirstPAGE Alarm Manager Server
- Marquee Manager Server
- Wi-Fi Messenger Server



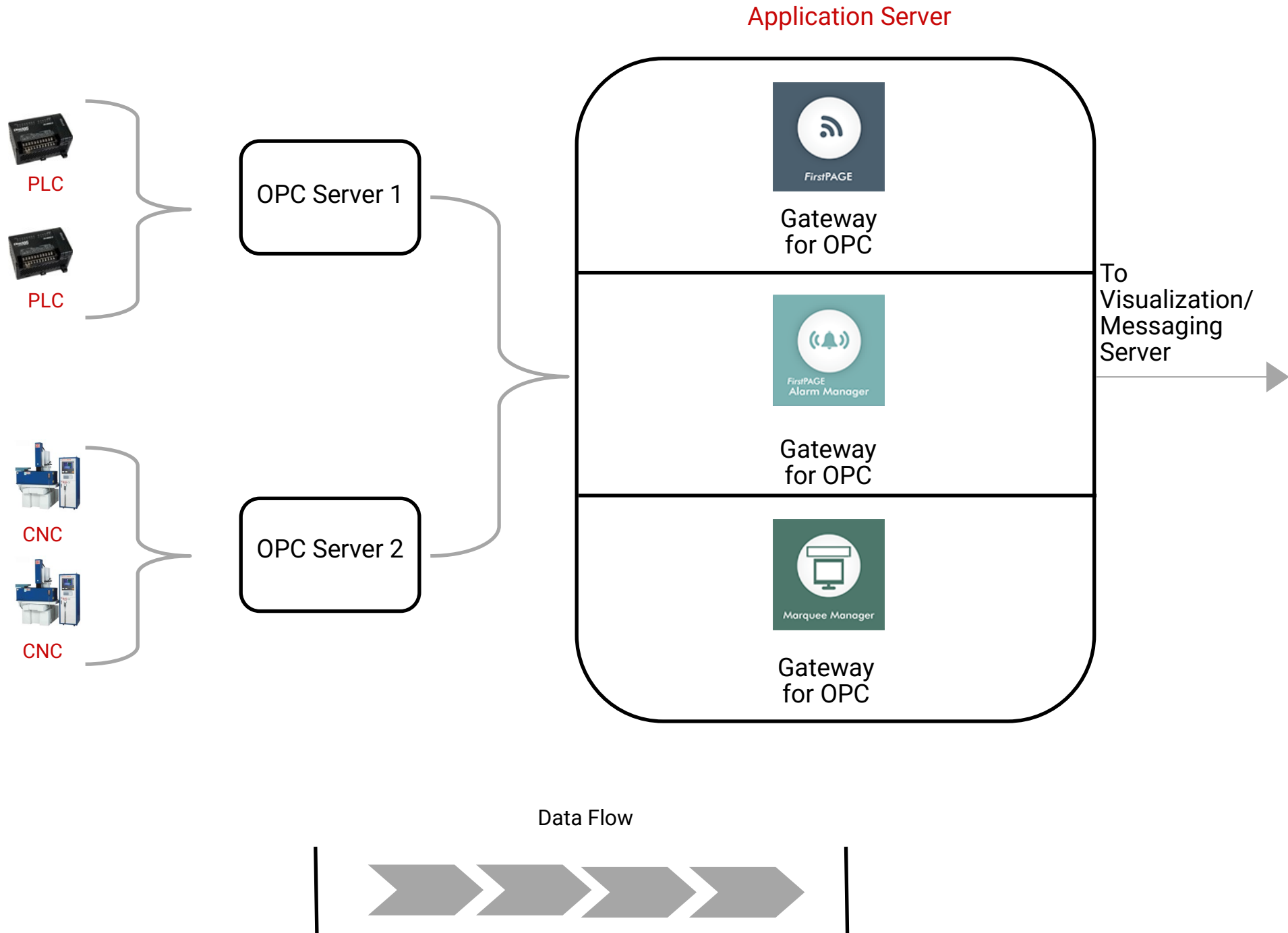
Internet



MOTOTRBO

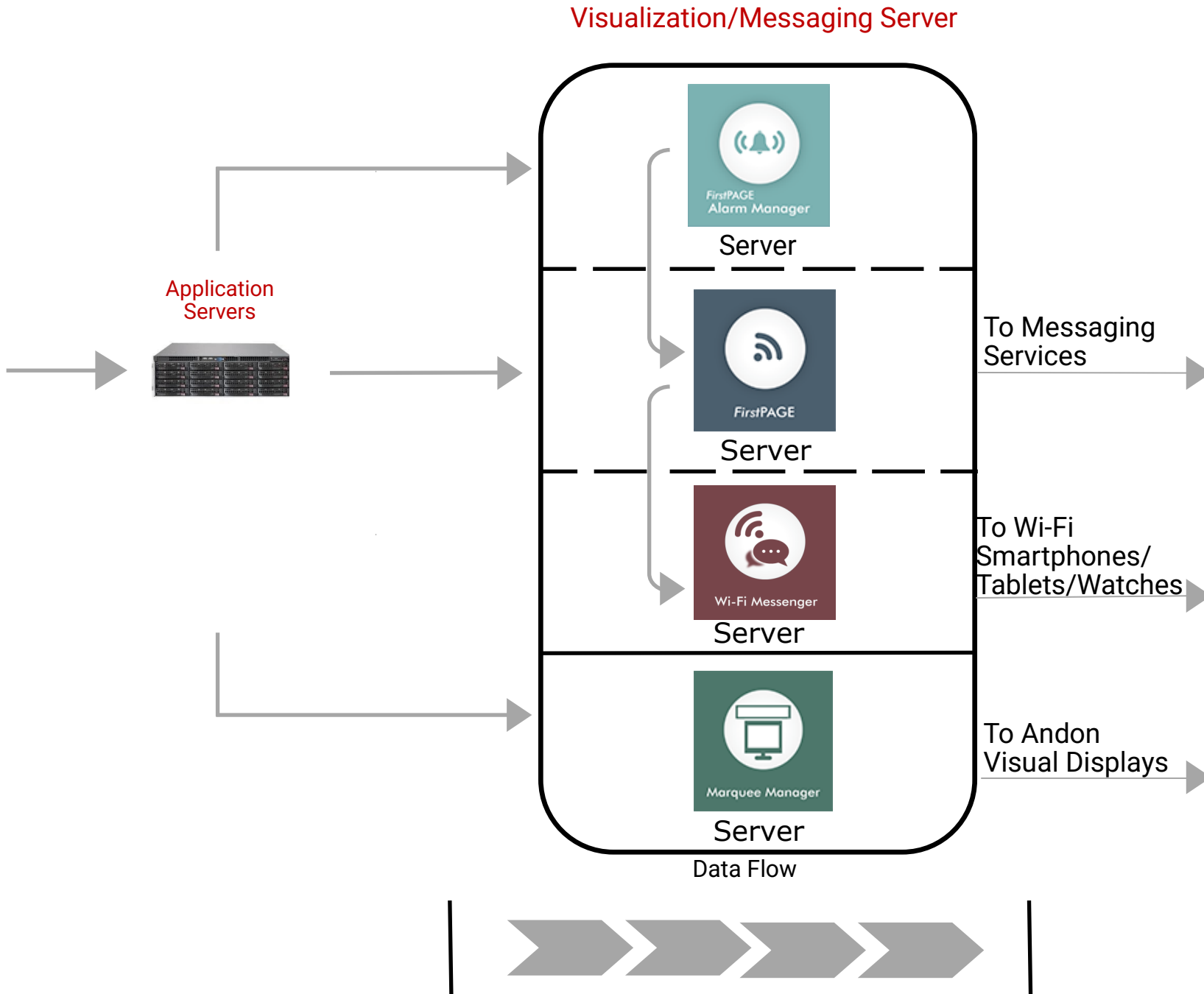


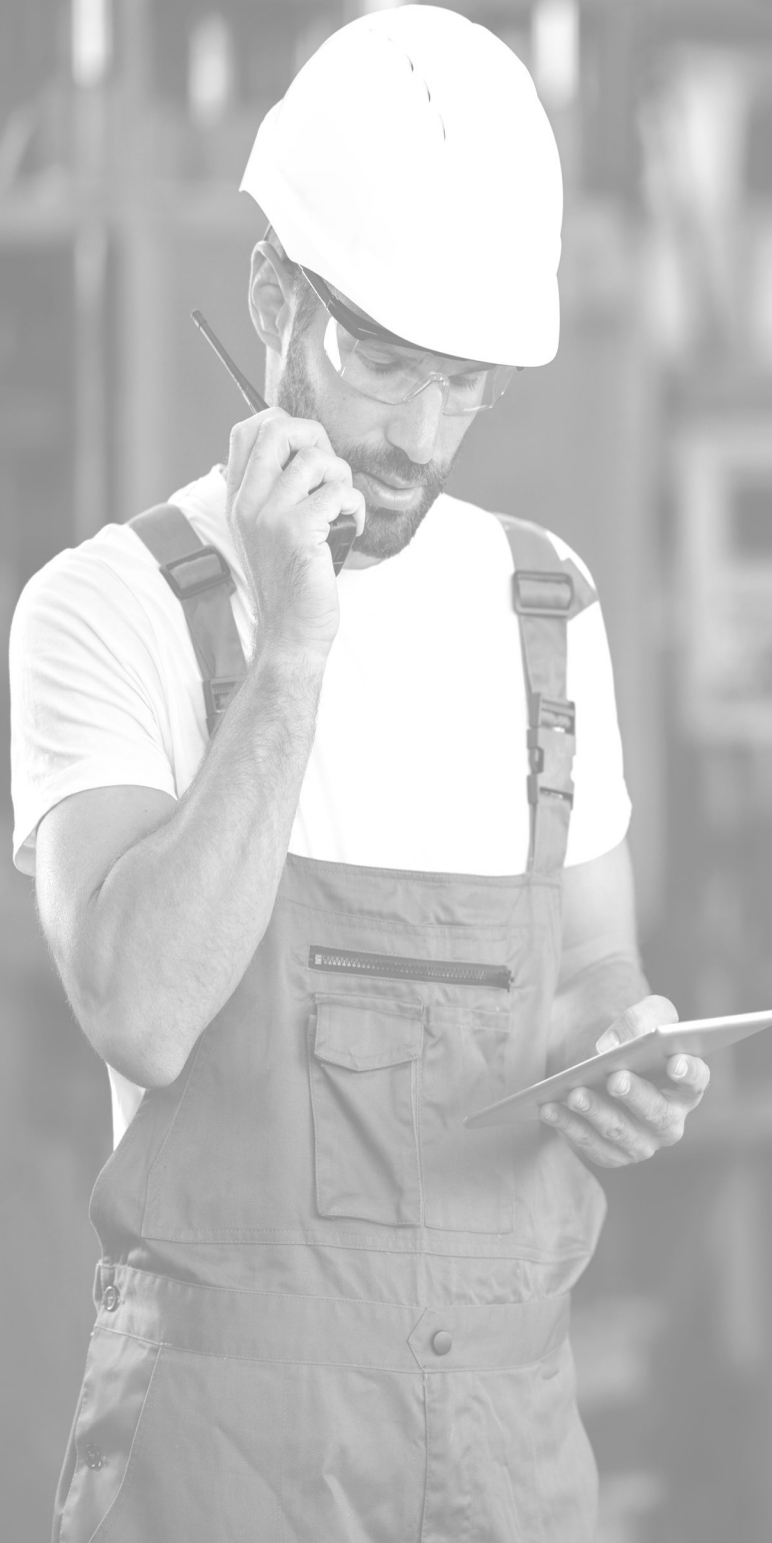
OPC Integration Application Server Overview



OPC Integration

Visualization/Messaging Server Overview





For additional information on solutions offered by SeQent, please contact our sales group:



**4500 Blakie Road, Suite 137
London, ON N6L 1G5
Canada**



+1.519.652.0401



Sales@SeQent.com



www.SeQent.com