

**Ford ANS
Integration**



Ford ANS Integration

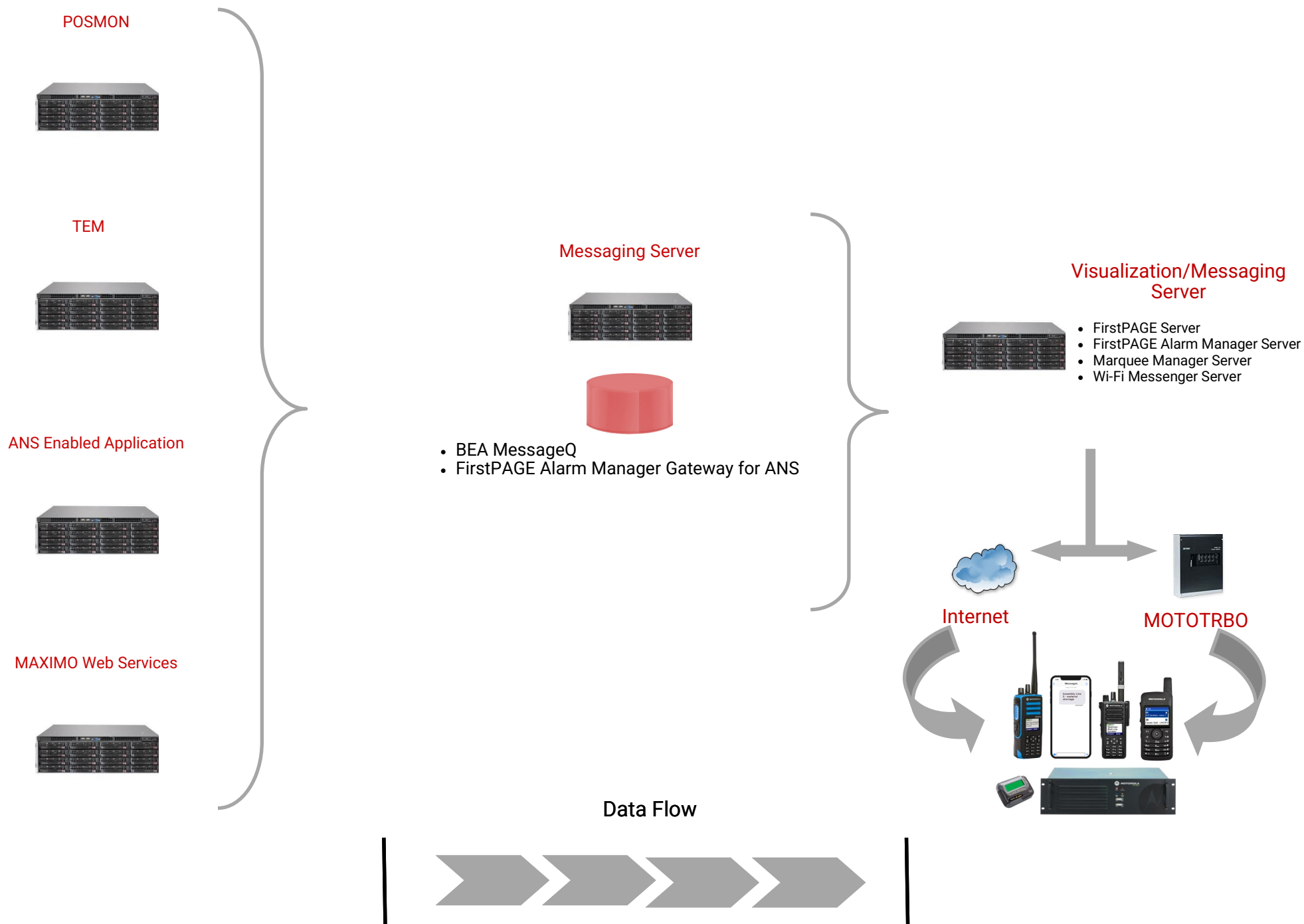
Overview

Ford's ANS application provides a standard text messaging and alarming interface. The system supports sending messages to SMTP, SNPP and TAP destinations. For inputs Web Services (Maximo), BEA MessageQ and TCP/IP sockets interfaces are available.

SeQent's ANS Gateway emulates an ANS Server facilitating the replacement of ANS Servers with SeQent's *FirstPAGE* and *FirstPAGE* Alarm Manager products. This solution provides:

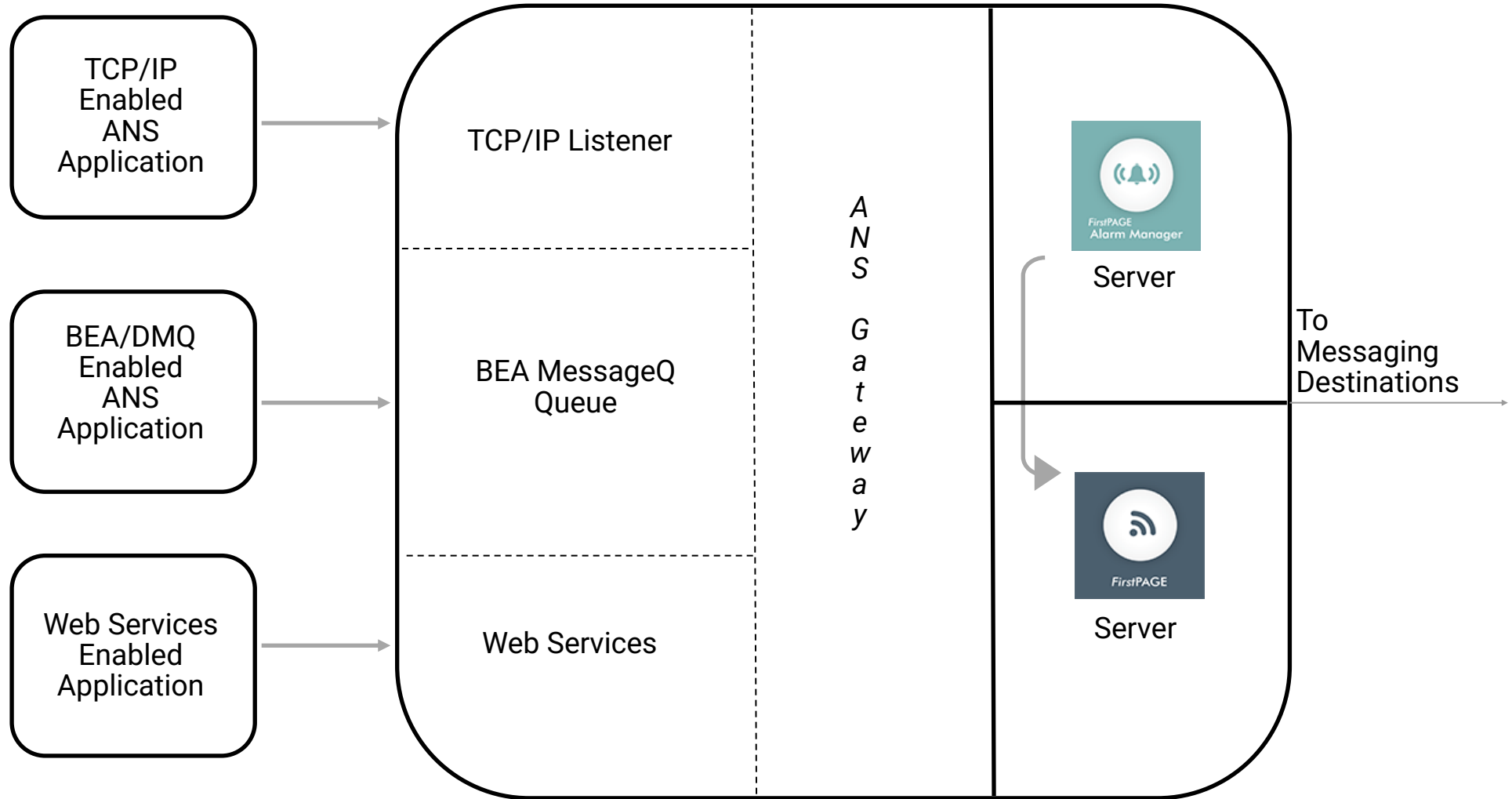
- TCP/IP, BEA MessageQ & Web Services interfaces (FTP file drop interface not supported in current release)
- Page requests are dispatched to *FirstPAGE* including the ability to remap IDs to *FirstPAGE* Destinations and Distribution Lists.
- Destination protocols supported include SMPP, SMTP(including SSL/TLS), SNPP, TAP, FORDVM, Text-To-Speech Audio, 2-Way Radios, Smartphones and tablets etc.
- Alarm requests are routed to *FirstPAGE* Alarm Manager to provide wildcarding and alarm escalation via *FirstPAGE*.

Ford ANS Integration Architecture Overview



Ford ANS Integration

Messaging Server Overview



Data Flow



Ford ANS Integration

ID Remapping

Ford ANS

- Page requests include a numeric pager (destination/subscriber) ID and a text message
- Relies on in-house Zetron paging terminals to provide distribution list capability by sending messages to Zetron Group IDs
 - Reliance restricts distribution list membership to only Zetron supported devices

SeQent ANS Gateway

- *FirstPAGE* is a name based system which abstracts the underlying pager ID and carrier connectivity from the user or application behind a user assigned name.
- Optionally pager ID numbers can be added in the ANS Gateway's remapping feature by selecting "Tools – Mapping".
 - Pager ID remapping is supported to a specific *FirstPAGE* Destination or Distribution List regardless of provider protocol connectivity
 - *FirstPAGE* connectivity methods far exceed that of a Zetron paging terminal.
 - More advanced protocols (Internet connectivity, Ford VM hosted devices etc.) may be utilized from any ANS application without specialized hardware (Hark gateways etc.)
- When a page request arrives from an ANS enabled application, the ANS Gateway performs a look up for the pager ID number in a remapping table.
 - If a match is found the page request is routed to which ever *FirstPAGE* Destination or Distribution List is associated with the pager ID (mobile phone, Blackberry, Nextel, Motorola MOTOTRBO radios etc.)
 - If no match is found, the page request is passed through to a defined default *FirstPAGE* Provider, which is usually the in-house Zetron paging system but may be any Provider that *FirstPAGE* supports.



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