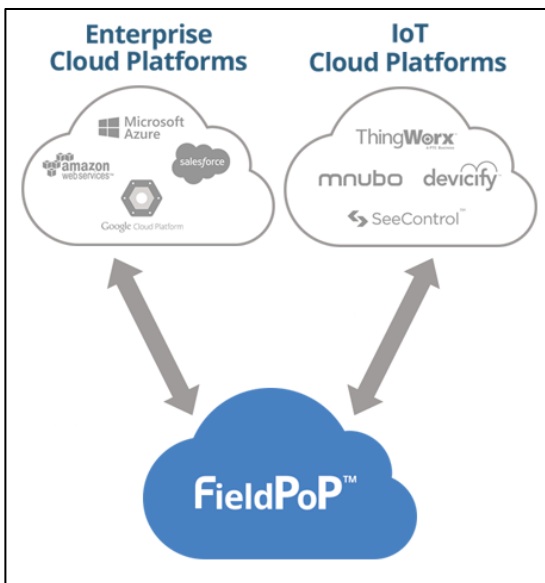
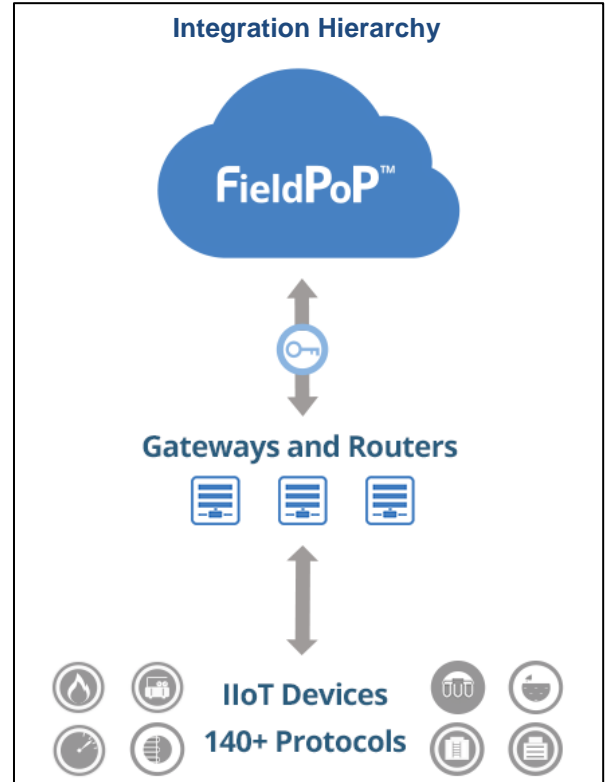


**Overview**

The FieldPoP device cloud is our IIoT cloud solution that works with the FieldServer family of protocol gateways and routers to help OEMs cost-effectively manage their deployed assets and take service and support capabilities to the next level. Through FieldPoP, OEMs and their customers can securely access and remotely monitor an entire fleet of registered gateways and routers from any location to ensure all assets are working properly.

OEMs can set up different user accounts, securely manage user credentials, and provide the right security permissions and device assignments on FieldPoP. When a FieldServer device is registered in the field, the device will automatically appear in the FieldPoP interface. Users are then able to remotely and securely fire up the local applications that run on the FieldServer devices' Application Engine to perform device configurations and diagnostics and provide instantaneous support for a customer.

FieldPoP provides cloud-based notifications that can be pushed to smartphones and emails to bring information to users as soon as an event occurs. All notifications, audit logs, and data logs on the FieldPoP can be exported into CSVs for reporting. Software upgrades are also pushed into devices remotely from the cloud, minimizing the user's unnecessary field visits.



**Third-Party Application Cloud Platforms**

As many companies use cloud-based solutions for customer relationship management, supply chain management, product development, business analytics, etc., it is important to have a tool that imports the important data into these cloud platforms.

Let FieldPoP do the “dirty” work of field device management and security! The FieldPoP device cloud connects with third-party cloud platforms to use field product data in business and analytics applications. FieldPoP can synchronize with popular cloud platforms such as Salesforce, PTC/ThingWorx, Oracle IoT Cloud, SAP/Hana, Google, and Microsoft Azure; or with cost-effective storage targets like Dropbox or S3. As a result, OEMs and their customers can gain new insights that lead to improvements in product quality, innovations in products and services, and identification of new revenue opportunities.

OEMs as well as enterprise customers can set up FieldServer Gateways and Routers, through local web applications registered on FieldPoP, to collect and stream the right data points at the right frequencies from the field to third party cloud platforms, future-proofing their enterprise information architecture.

## FieldPoP Features and Benefits

- **Secure Remote Access:** Securely access and remotely monitor your entire fleet of registered gateways and routers and their local applications with no firewall dependencies through HTTPS, using TLS/SSL (Transport Layer Security/Secure Sockets Layer) - port 80 & 443.
- **Device Management:** Manage and connect to all of your and your customer's registered devices from one web-based interface.
- **User Management:** Set up your installation and support team, and your customers with the right security permissions and device assignments.
- **3rd Party Cloud Platform Integration:** Plug into and synchronize with popular cloud platforms to provide field product data for business and analytics applications.
- **Notifications:** Use cloud-based notification services such as texting and email to bring information to people when they need it, how they need it, and when they need it.
- **Software Upgrades:** Remotely download and install software upgrades and minimize unnecessary field visits.



## Application Engine

The Application Engine is the platform for local applications on FieldServer Gateways. This provides a rich user interface for connected OEM devices and makes OEM's devices more intelligent. This set of applications simplify network management by providing visual status information about an OEM's connected devices, collecting and trending important data points generated by the OEM's devices, and logging various operator actions. Access to all of these features is available remotely with FieldPoP integration.

- **System View:** Clean view of all devices connected to the gateway that enables a drill down into each device to view status information or set data points (with appropriate permissions).
- **Historian:** The last 30 days (default) of device data is timestamped, viewable via graph and can be downloaded to the local PC or uploaded to the cloud with FieldPoP.
- **Event Logger:** Comprehensive listing of events, such as alarm notifications from devices to user actions on the gateway.
- **BACnet Browser:** Discover, test and debug BACnet networks and devices connected to the FieldServer gateway.