



MDS LaunchNET™

Configuration and Provisioning platform

Fast and effortless deployment of GE's MDS devices

The GE's MDS LaunchNET™ configuration and provisioning platform is an automated device provisioning solution that ensures quick and consistent initial device configuration to begin device's life cycle. It helps minimize deployment errors with coding-free customizable device configuration templates. GE MDS LaunchNET is currently the ONLY automated software solution for all GE MDS Orbit devices. Designed for managing and deploying any number of devices with minimal effort in a fully automated and rapid way.

The MDS LaunchNET™ provisioning service is comprised of two elements: LaunchNET Server, installed in data center alongside network management system, running on Windows or Linux OS or in a virtual machine, providing an intuitive WebUI interface; and optionally the LaunchNET Client for "one-touch" setups. This client is for use in the field on a field technician's mobile device such as laptop, tablet or cellphone.

Key Benefits

- "Zero-Touch" provisioning to enable automated initial device configuration
- "One-Touch" provisioning to enable secure device configuration by field technician
- Support for MDS Orbit FirstNet Ready™ routers
- Fully Integrated with GE MDS PulseNET™ Enterprise for a complete and seamless network management solution
- Automated provisioning of X.509 certificates using SCEP from Microsoft PKI
- User authentication using Microsoft CA server (SCEP) and LDAP or equivalent
- Extended security using groups and sub-groups for clustering devices in regions
- Easy site installation through centralized device configurations and templates
- Cloud ready or hosted locally at your site

Automatic Field deployment tool for GE MDS radios

- Automatic enrollment of certificates
- Centralized configuration templates
- Device Group and sub-group management

Eliminates manual configuration and human errors during deployment

- Configuration and templates are stored and applying by automated processes
- Centralized log for server and client activity

In-band and out-of-band access mode for One-touch provisioning

- Utilizes device's 4G/3G in-band link to enroll devices over-the-air in field
- Use existing network infrastructure for local bench activation



Ease of Use and fast provision

Intuitive User Interface

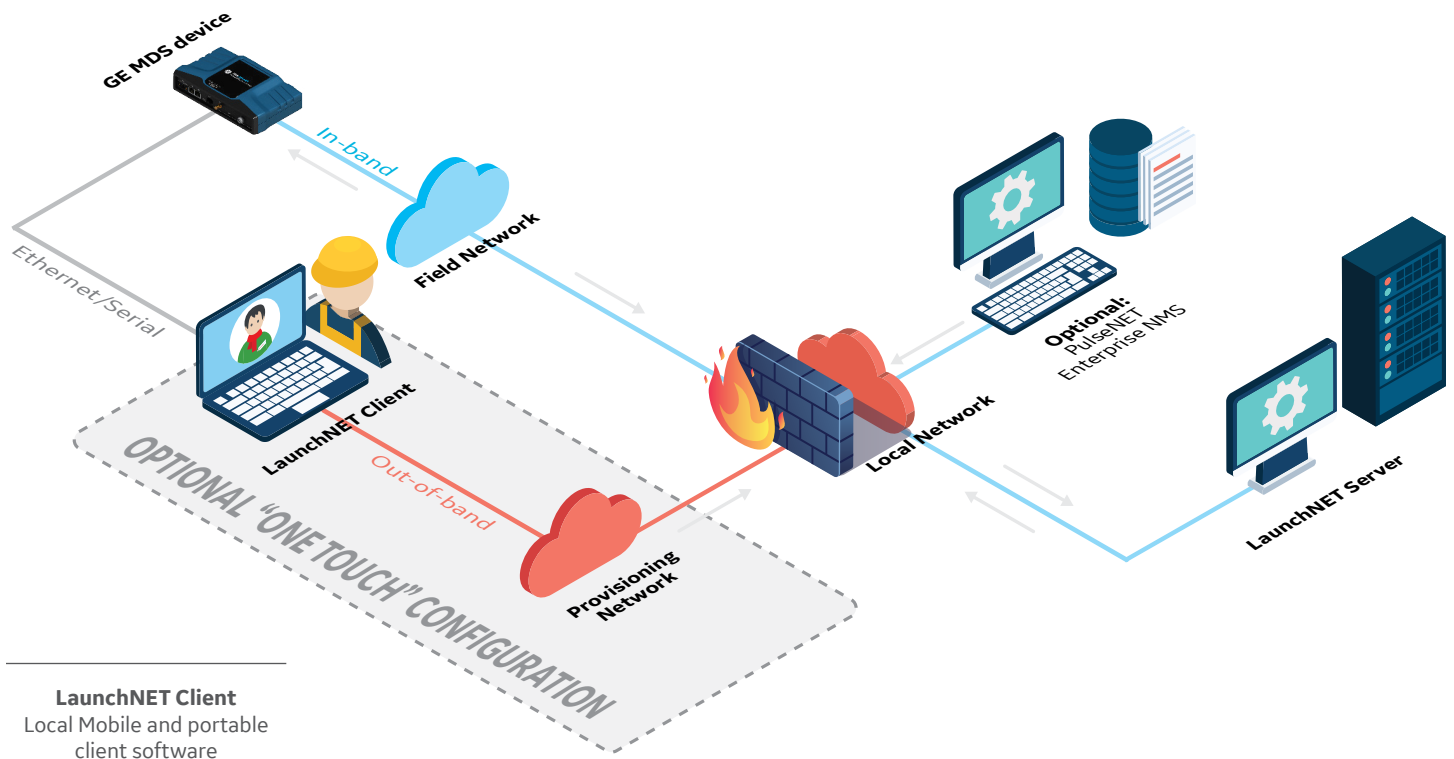
An easy-to-use Graphical User Interface (GUI) that enables management of external interfaces for user authentication using LDAP/Radius and Microsoft PKI for X.509 device certificate enrollment, device inventory database, creation and staging of device configuration templates and viewing deployment reports.

Zero-touch

Zero-touch provisioning driven by device itself. The provisioning can be done in a secure staging environment over a local network and/or in the field over the field network.

One-touch (In-band or out-of-band)

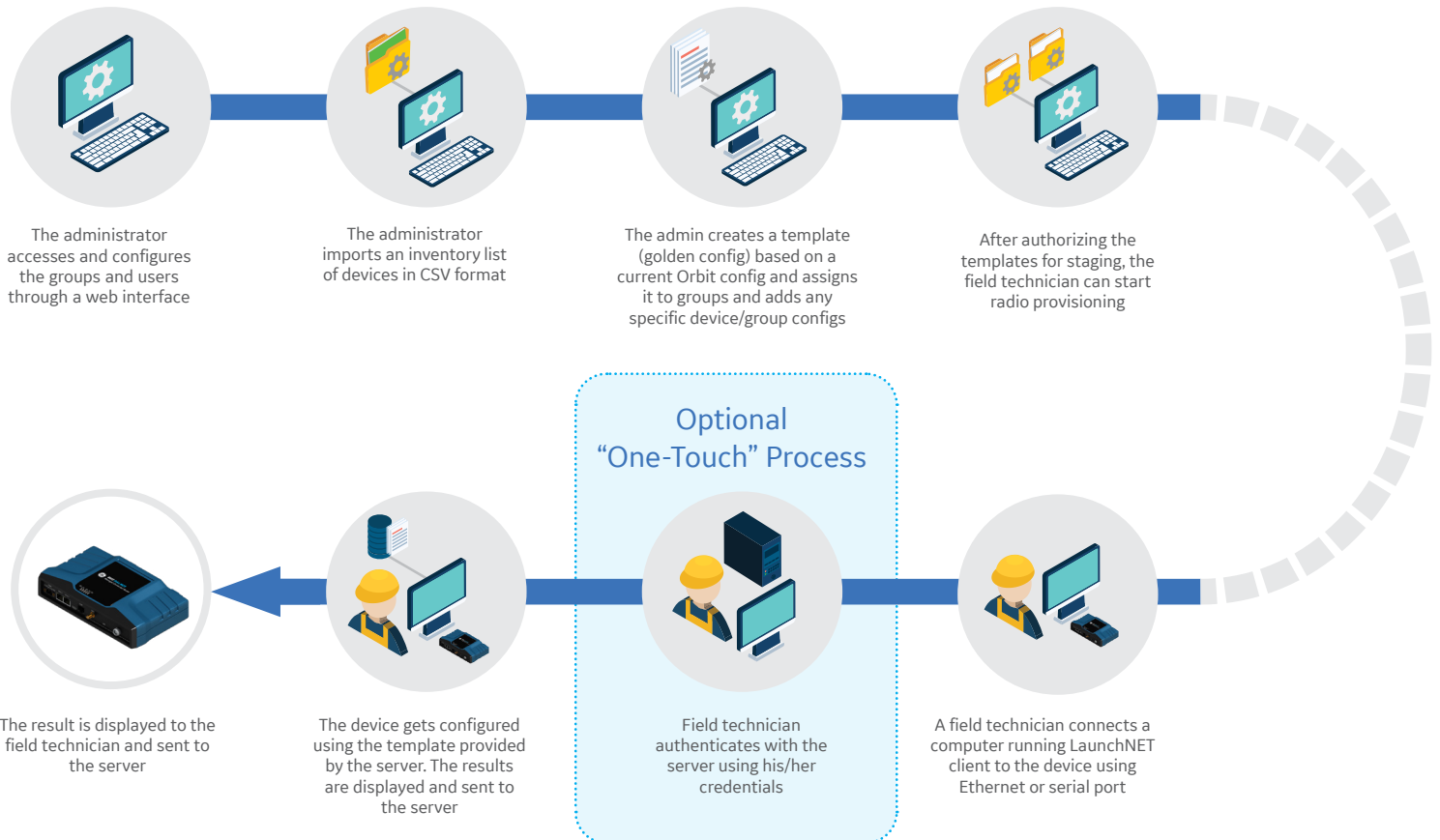
LaunchNET client can either use the existing network infrastructure for accessing the server (out-of-band) or device's cellular link for devices equipped with 4G/3G/2G modems. No knowledge is required by the field technician, who only has to enter his/her user authentication credentials in the client software on computer or tablet. The client provides electronic report with the results of the provisioning process.



Lean and intuitive provisioning process

The provisioning process of the devices has been designed to provide a centralized control of all the device configuration templates to avoid uncontrolled deployments of devices thereby removing the need for technical knowledge of device configuration by the field technician.

Using GE MDS LaunchNET, the owner of the **devices control the provision of each single piece from a centralized site, no knowledge is required by the field technician for “Zero Touch” provisioning.** For “One Touch” provisioning, client software on the technician’s mobile device requires authentication and he will receive a provision electronic report with the successful results of the process.



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