Ignition Interlock Data Analysis Project : Network Infrastructure

Overview of Expected Architecture for Ignition Interlock Data Analysis (IIDA), including an overview of pending procedures and documentation.
IIDA Architecture and Security Requirements

1. External Customers of the IIDA Reports/Exports Application
   1. SSL VPN accounts will be defined and provided by NMDOT IT.
   2. Authenticated SSL VPN sessions will forward only to IIDA Reports/Export Application, with no other access to NMDOT assets.
   3. IIDA Reports/Exports Application accounts will be defined and provided by NMDOT TSB Ignition Interlock program.

Illustration 1: Overview of Expected Architecture for IIDA
4. All customers will be registered with NMDOT TSB Ignition Interlock Program.

2. Ignition Interlock Manufacturers
   1. Manufacturer accounts for data submission will be defined and provided by NMDOT TSB.
   2. The Staging Server, residing in the DMZ may not initiate connections inside the NMDOT Secured Network.
   3. All manufactures will be registered with NMDOT TSB Ignition Interlock Program
   4. The Staging system will be accessed by the Data Transfer Process from within the NMDOT Secured Network.

IIDA Development Platform
   1. Databases: Oracle Database
   2. Applications: Oracle Application Express
   3. Data Transfer Process: Oracle Data Integrator

Customer and Manufacturer Registration

The Ignition Interlock Program Manager, in cooperation with the NMDOT Network Manager, will define and own the registration process for both customers and manufactures accessing the IIDA Systems. The registration process will provide reasonable requirements for maintaining the security of the IIDA system, NMDOT assets, as well as fulfilling the Business Objectives of the IIDA project.

NMDOT VPN Details

NMDOT VPN is managed locally on the VPN server. The primary VPN is client-less.

There is a secondary VPN available, should the project require a greater degree of availability. The secondary VPN requires a client installed on the connecting computer. At this time, we do not expect to require the secondary VPN for this project.