Vehicle Network Manager APIs

VNM IPC API

```
namespace fnv {

namespace vnm {


/**

 * Entry point for applications to request VnmIpc

 *

 * Client accesses these APIs by creating an instance of VnmIpc.

 */

class VnmIpc

{

public:


    // Initialize a client to use VNM IPC APIs

    VnmIpcRet_t initialize ( const std::string &appId );



    // Attempts to end any known server or client dhcp process, based

    // on a pid file name derived from a given network interface of interest.

    VnmIpcRet_t setDhcpIdleMode ( const std::string &wlanif );



    // Activates a dhcp client daemon, having first ended any running dhcp
daemon.

    VnmIpcRet_t setDhcpClientMode( const std::string &wlanif );



    // Activates a dhcp server daemon, having first ended any running dhcp
daemon.

    VnmIpcRet_t setDhcpServerMode( const std::string &wlanif );
```

```
    // Removes any IP v4 address from the given interface, having first
    // ended any running dhcp daemon.
    VnmIpcRet_t clearIpAddress( const std::string &wlanif );

    // Sets the given IP address on the given network interface.
    // The IP address may be of the form a.b.c.d/n
    VnmIpcRet_t setStaticIpAddress( const std::string &wlanif, const
std::string &address );

    VnmIpcRet_t ConfigVlanInterface( const std::string &name,
                                     const std::string &host_number,
                                     const std::string &vlanid,
                                     const std::string &parentif,
                                     const std::string &gw_host_number,
                                     const std::string &mtu,
                                     const std::string &svc_level );

    VnmIpcRet_t FreeVlanInterface( const std::string &name );

    VnmIpcRet_t LinkNetworks( const std::string &name1,
                              const std::string &name2,
                              const std::string &svclevel,
                              std::string &linkid );

    VnmIpcRet_t UnlinkNetworks( const std::string &linkid );

};
```