

Cut the Cord -- Advances in gathering data remotely from your captive test fleet and remote test benches

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What cord are we cutting?



WirelessneoVI.com

- Remove the need to manually retrieve vehicle data
- 4G/WiFi connection to a neoVI
- Secure socket connection to server
- Full remote control of neoVI
 - Script changes
 - Data upload
 - GPS location
 - OTA updates

Some stats

- Wirelessneovi currently has 1,000's of connected cars around the world.
- This equates to several OEMs on individually owned servers
- TBs a day of data uploaded
- Over 5 million uploads
- Countless issues solved before vehicle launches
 - At just 1 OEM the wirelessneovi system caught 6 potential recalls!! \$\$\$\$\$\$\$

Vehicle Spy Setup

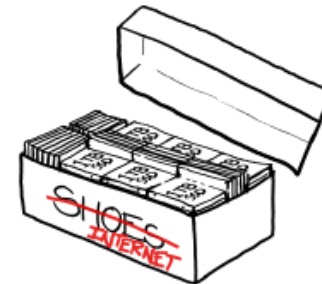
- Use Vehicle Spy's VehicleScape setup for config
- This creates a .wivi file
- User uploads .wivi to individual vehicles or fleets
- neoVI downloads new setup and acts immediately

What's new?

- Native support for DataSpy and Integrated Post Analysis (IPA)
- REST API
- SFTP data transfer available to secondary servers
- 1TB+ SD card support (useful for remote areas)

Why do I need this?

- Save money on shoes! No more sneaker net.
- Monitor entire fleets.
 - (We actively have 1000s of wirelessneovi connected cars on the road globally.)
- Facilitate data sharing across groups
 - Test cars are expensive
 - Ex. Infotainment test car has a long crank scenario the data will be there for powertrain team to investigate.



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Some more features

- Automate notifications
 - Users can sign up for emails or text of certain vehicle events
- Fleet permissions
 - Admins can control what users can see and do
- Audio enabled trigger button (MIC2)
 - Driver can press button to trigger log and record audio

Ease of the cloud

- Customer choice of server solution
 - Intrepid can host (we default to AWS)
 - Customer can choose to host on their own.
- The cloud is everywhere today why not your test data?

Built in Analysis

- DataSpy
 - Server based signal analysis software
 - Operates on same server as wirelessneovi
 - Can plot signals near instantly (think huge files)
 - Plot multiple signals and files together with overlay
 - Share data instantly
 - Ability to create a shareable link with click of button

Analysis cont.

- Integrated Post Analysis (IPA)
 - Uses Python code to mine data
 - Publicly available here: https://github.com/intrepidcs/ICS_IPA
- Automate reports for delivery to your inbox
- Runs on same server as wirelessneovi
- Archives all reports
- Learn more about this in the track this afternoon

Well lets see it then!

- Live Demo