



# Driving with OSGi Technology: OSGi Frameworks in the Future Telematics Ecosystem

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# In-vehicle computing trends...

- Increasingly sophisticated
- Increasingly integrated
- Separation of HW from SW
- Consolidation of ECU's
- Following (or at least looking to) traditional IT constructs to tackle some of the issues

# Industry Issues...

- In-vehicle computing infrastructure needs to be:
  - Updated periodically
  - Communicate bi-directionally with back end systems in a secure fashion

Yet....

- Today's in-vehicle computing architecture highly decentralized and tuned for efficient processing
- Design process has not supported the development of an efficient, cost-effective computing infrastructure

# How does the OSGi paradigm further efforts?

- The obvious...
  - Provides a standardized framework for deployment, registration and operation of services (any services) in-vehicle
- The not so obvious...
  - Secure gateway for integration with industrial-strength backend systems

# Is there an even bigger opportunity?

- Many only looking at OSGi for “infotainment” services
- ROI today requires a broader applicability of the framework
- Use it to run:
  - Maintenance software payloads
  - Diagnostic payloads
  - Notifications/communications
  - Etc.