Video

Tesla Management 360

How to manage a Tesla vehicle with Microsoft technologies!

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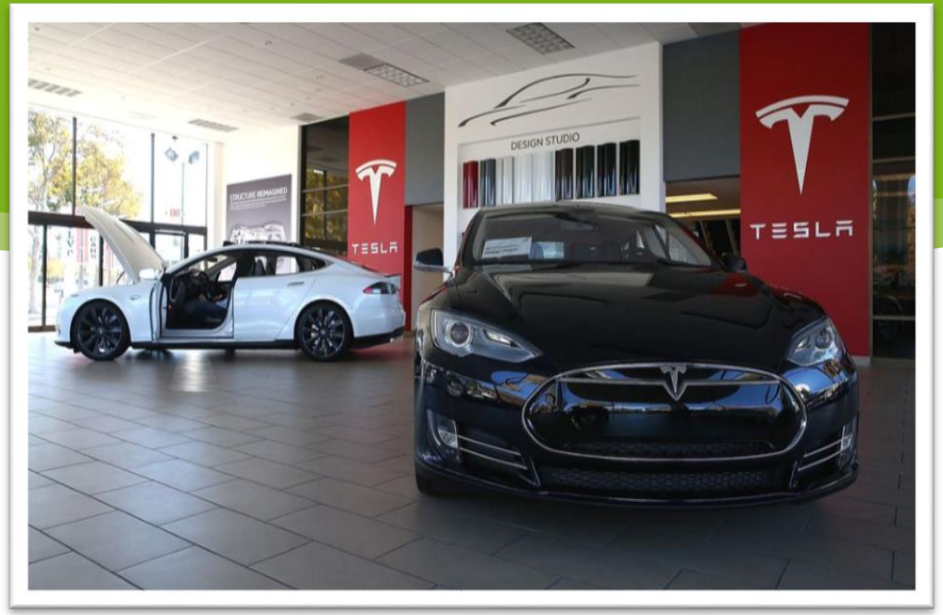
What is this session all about?

- Show different technologies in a not-so-business-related way
- Demonstrate how things integrate and work together
- Give you some Tesla insights
- Convince you to get your own Tesla



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Why use Tesla as an example?

- Because it's cool!
- Because I like cars and technology
- Because I'm a geek (at least I try to be one)
- Because I have plenty of time beside my daytime job ☺
- And no … I do not get any money from Tesla for doing this!

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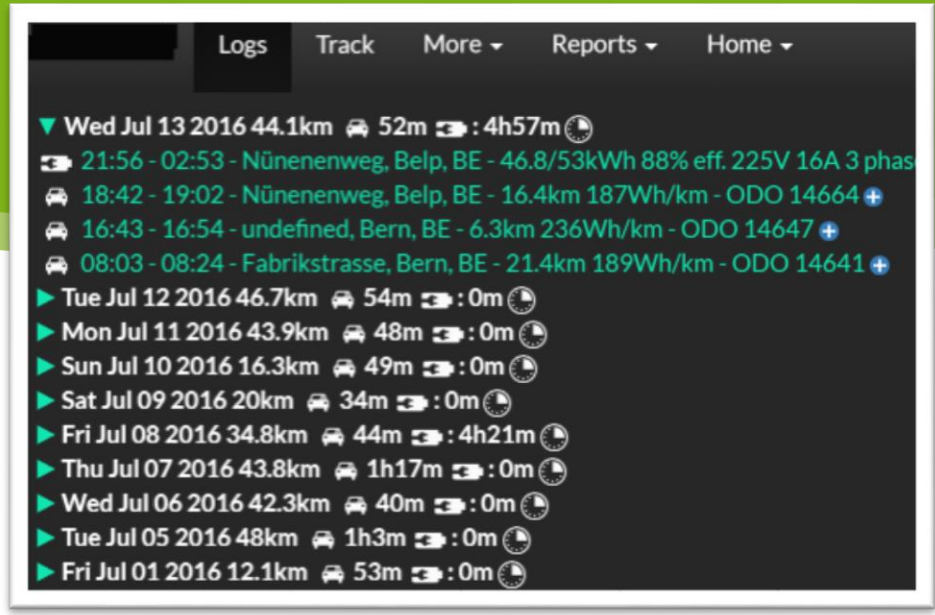
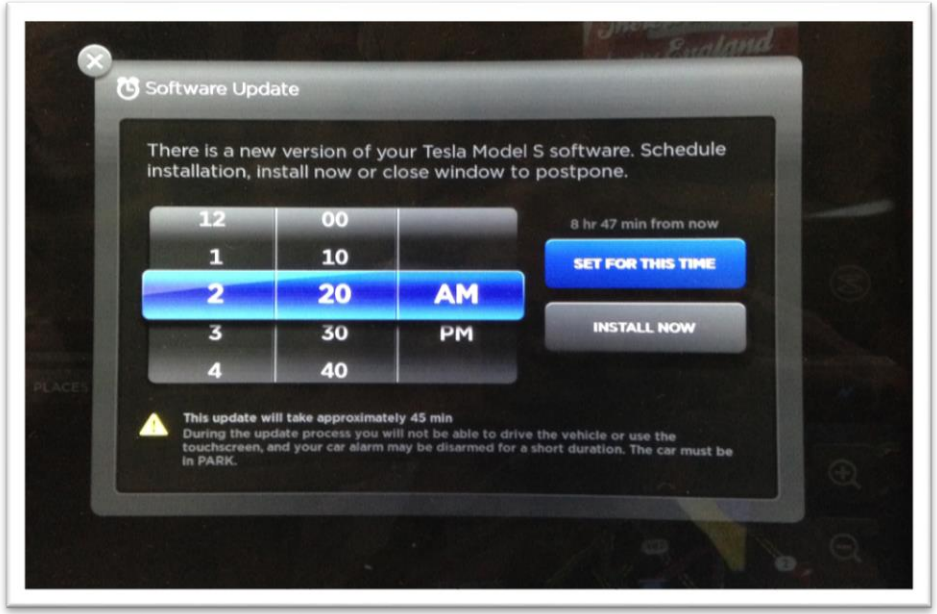
Always connected

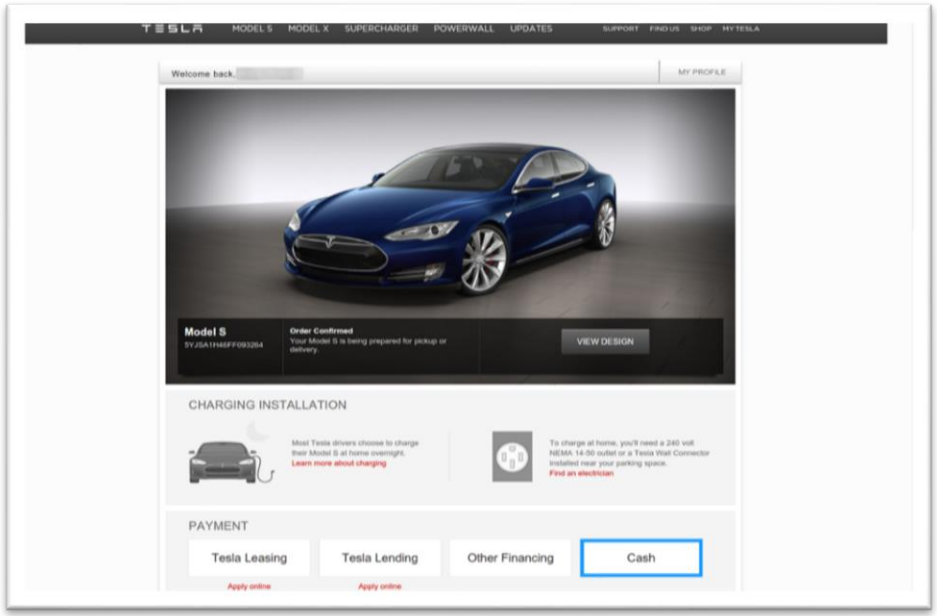
- Tesla vehicle has a permanent connection to the mothership
  - SIM Card delivered with the car
  - Uploads information and telemetry data
  - Downloads software updates
  - Information is accessible by the user





Control the car

- Different APIs available to access data
  - Used by the Tesla app
  - Shows car data and can control the car
- Wait a second …
  - If there is an app there must be APIs
  - If there are APIs why not using PowerShell to connect?
  - If PowerShell works, we can do everything - hooray!



Inside the car

- 17″ center screen
  - Music, A/C, Camera, Phone etc.
  - Runs on modified Linux with Gt
- Dashboard screen
  - Flexible apps positioning
  - Autopilot control
- Main car control (motors etc.)
  - Written in C
  - Cannot be accessed and controlled

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Don’t try this with your car!

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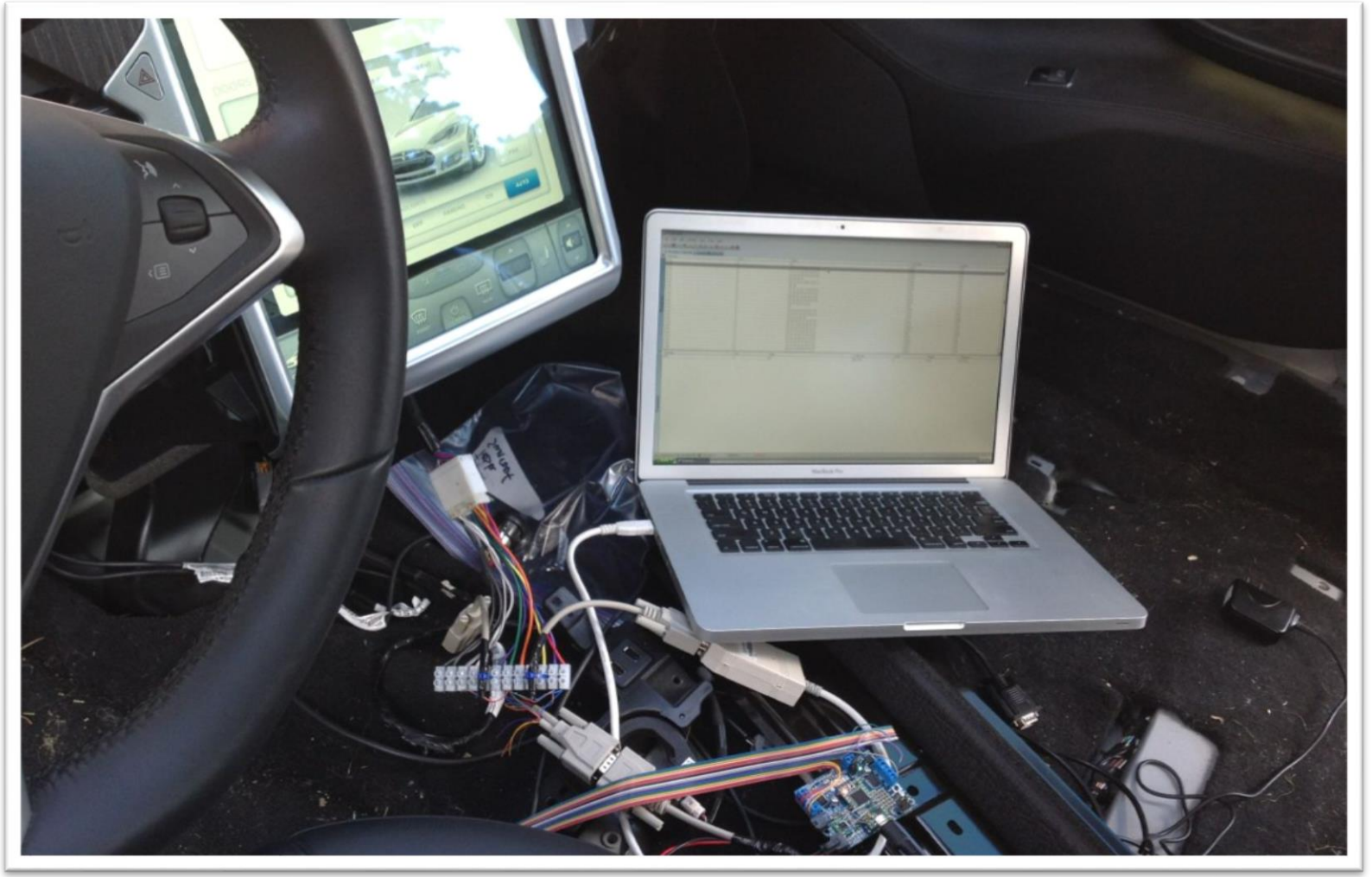

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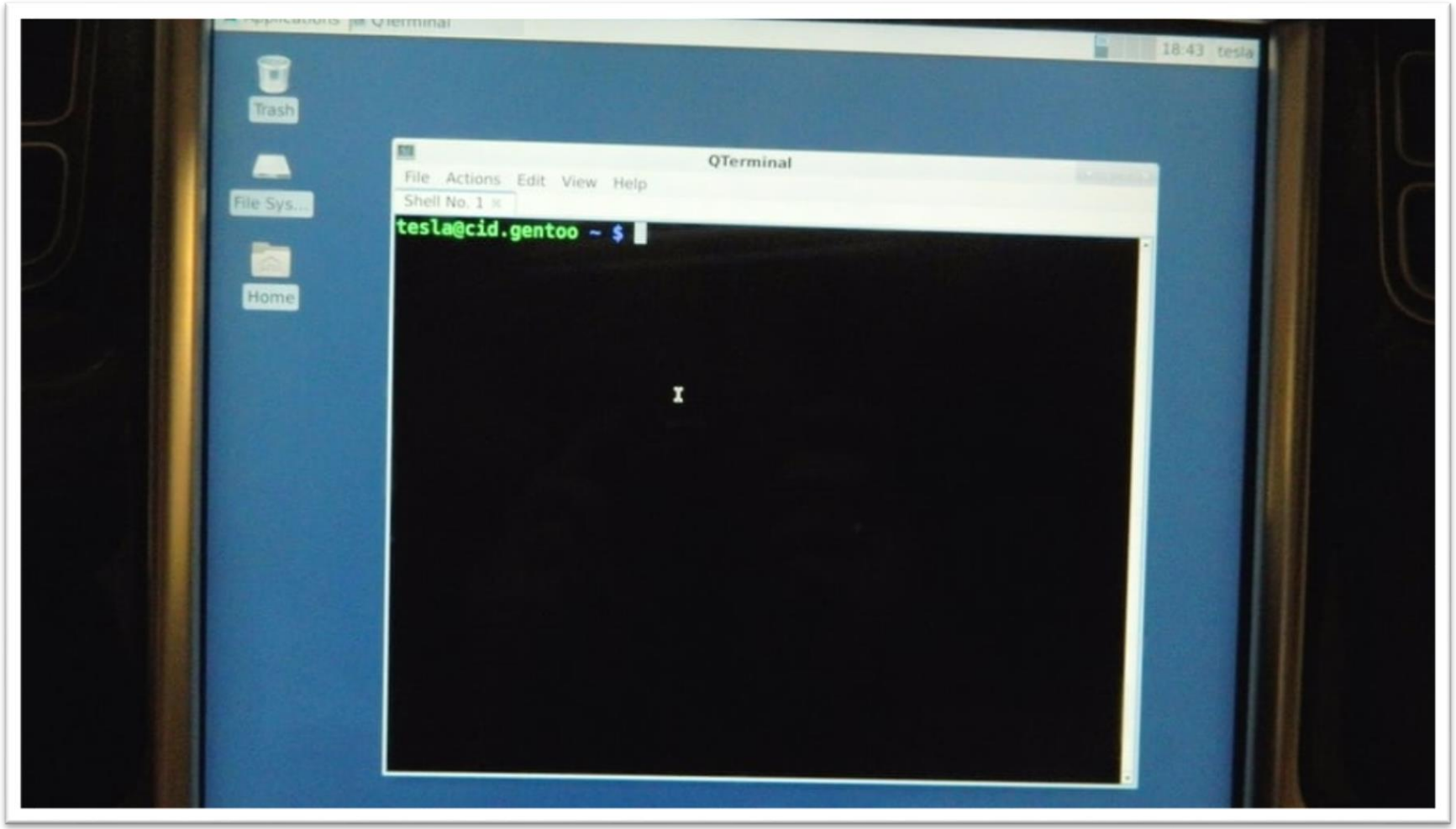
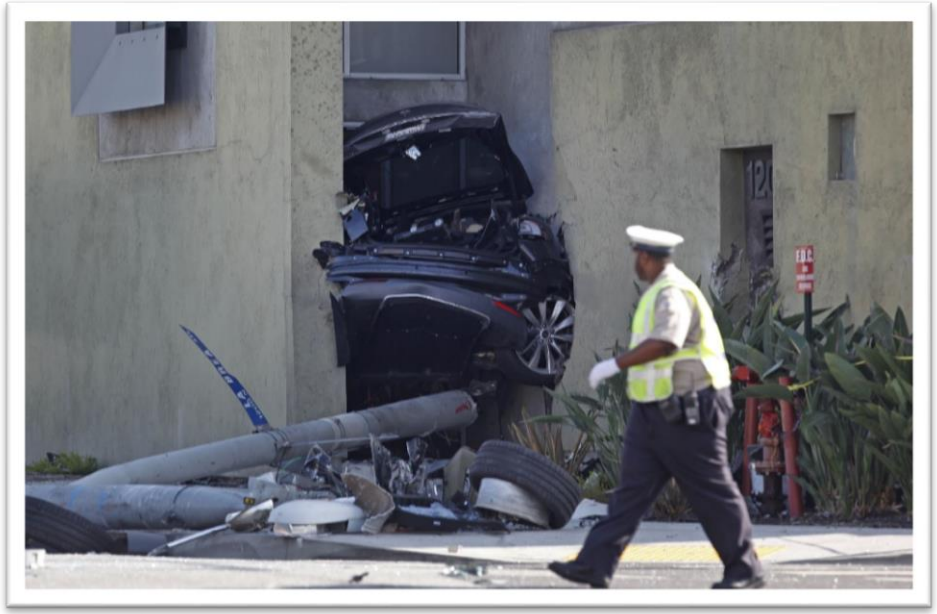


Don’t try this with your car!

If anything goes wrong

- Call Tesla support for help!
- Me: “I have a strange alert that doesn’t go away”
- Tesla: “Did you stop the car and retried?”
- Me: “Yes. The alert is still there”
- Tesla: “Did you already try to reboot the systems?”



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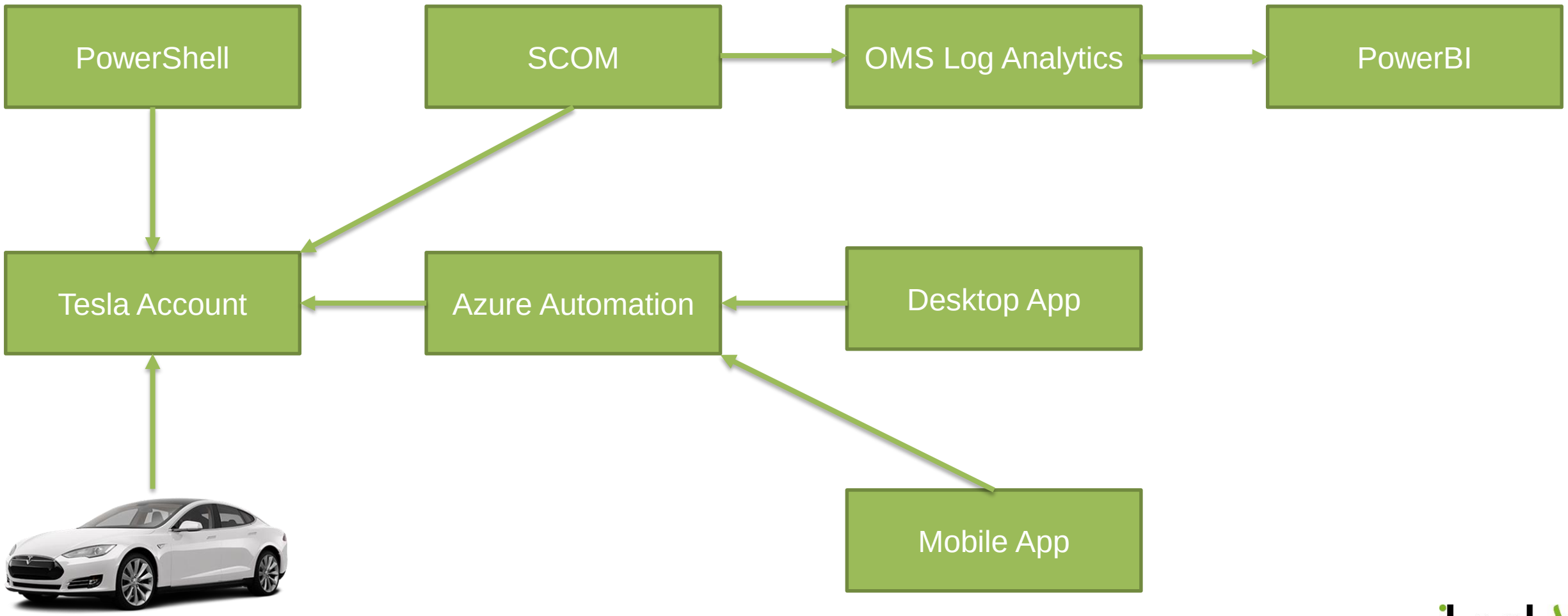
Video

Demo

How it all works together



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