

Microsoft Eclipse Foundation SDV 2nd Contribution Day Eclipse Chariott Update

Filipe Prezado, Program Manager Patrick Schuler, Software Engineering Lead

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Democratizing in-vehicle application development

Capability oriented model for App-to-App and App-to-Digital Twin Communications





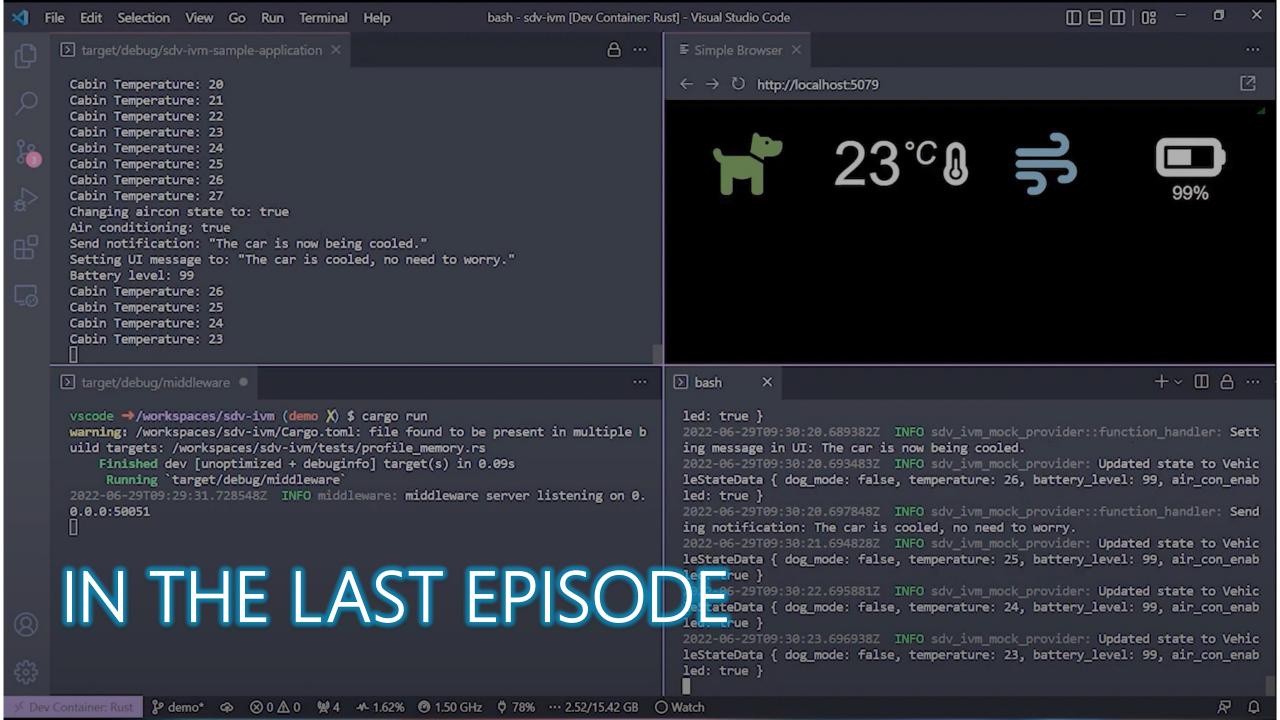


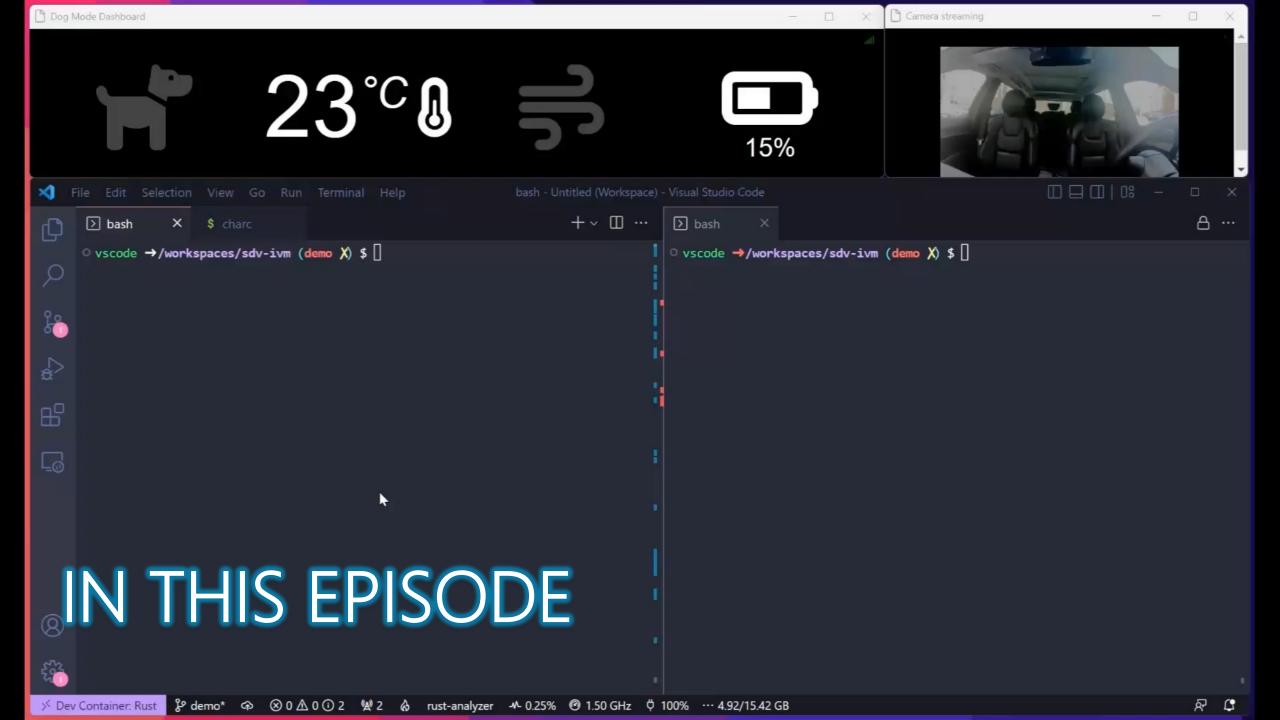




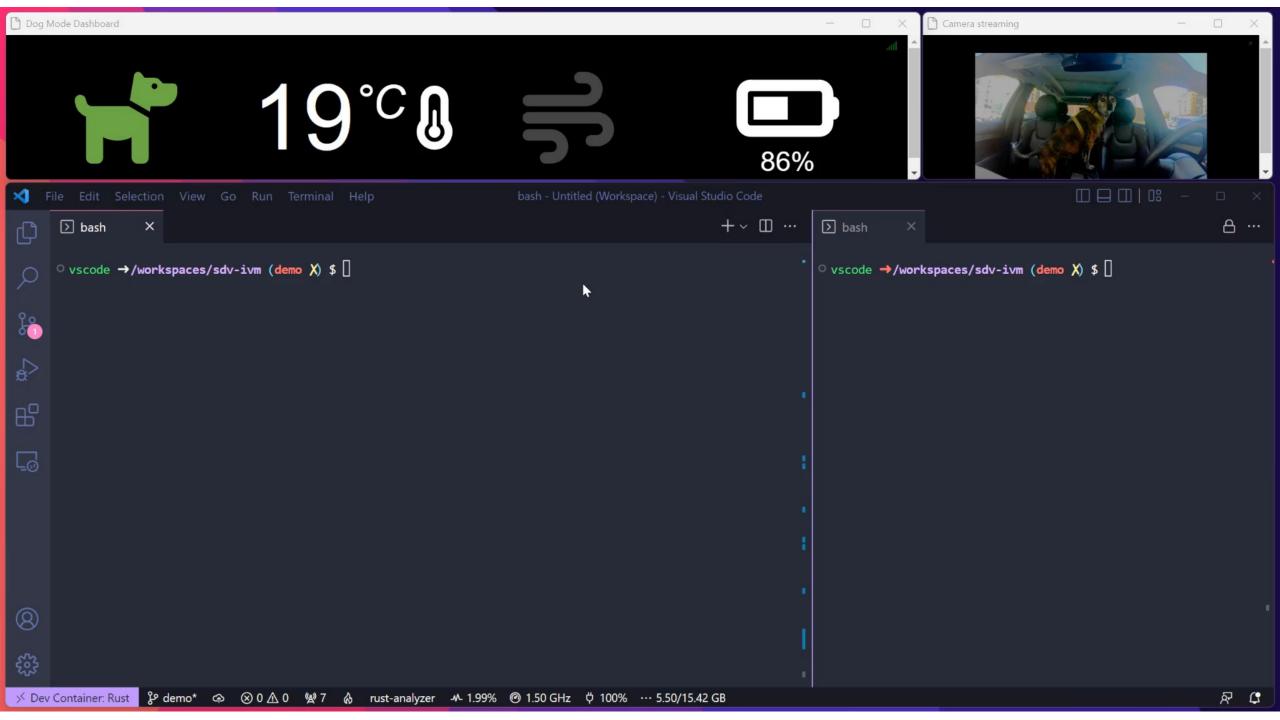




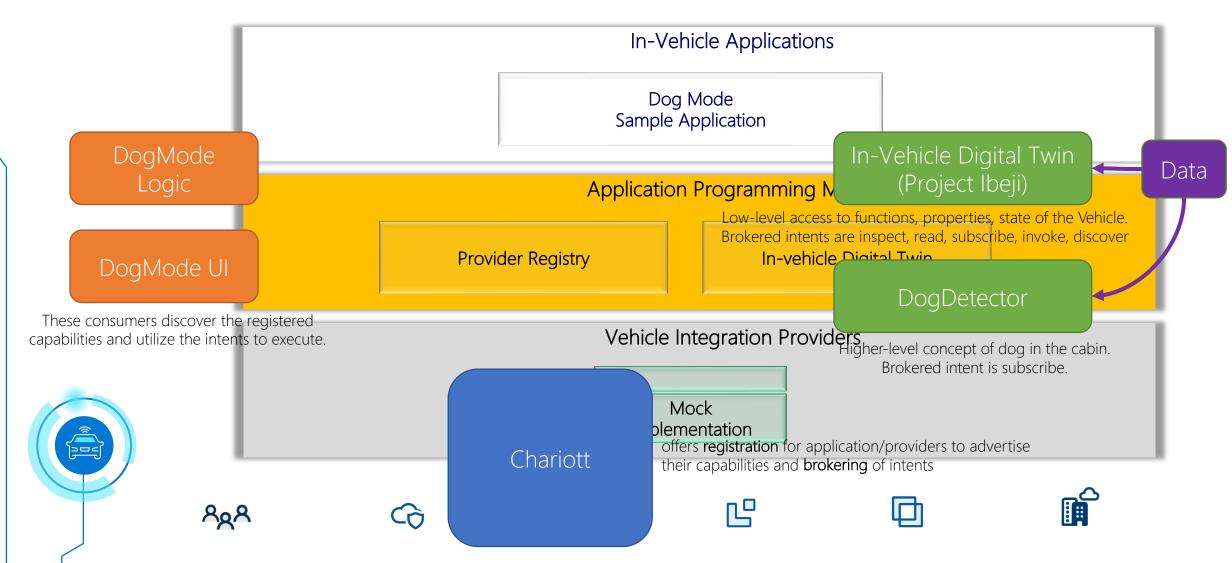


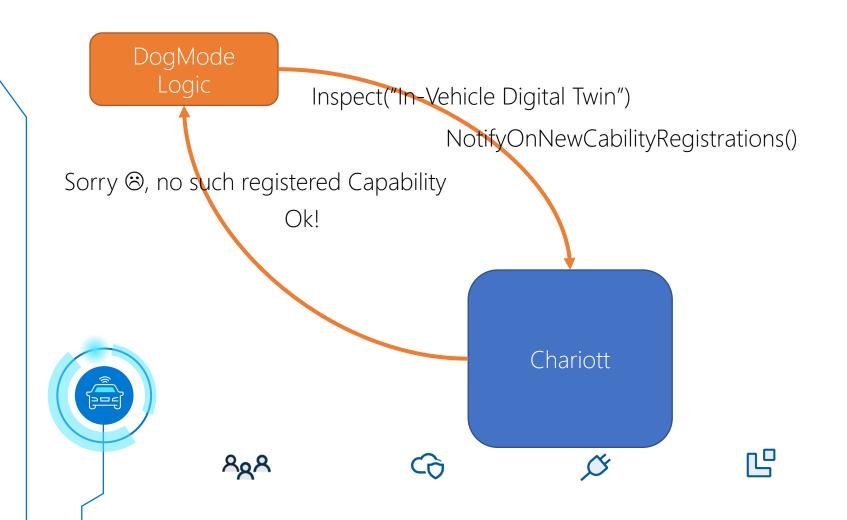




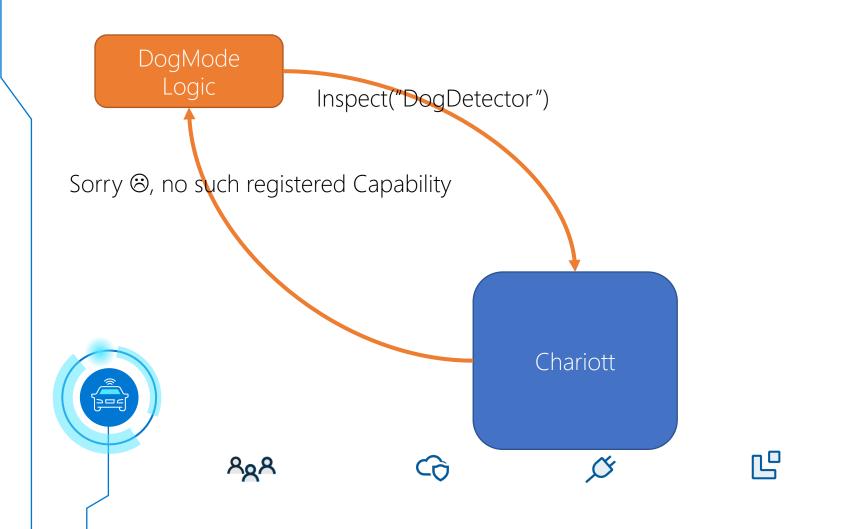


Chariott – What Changed

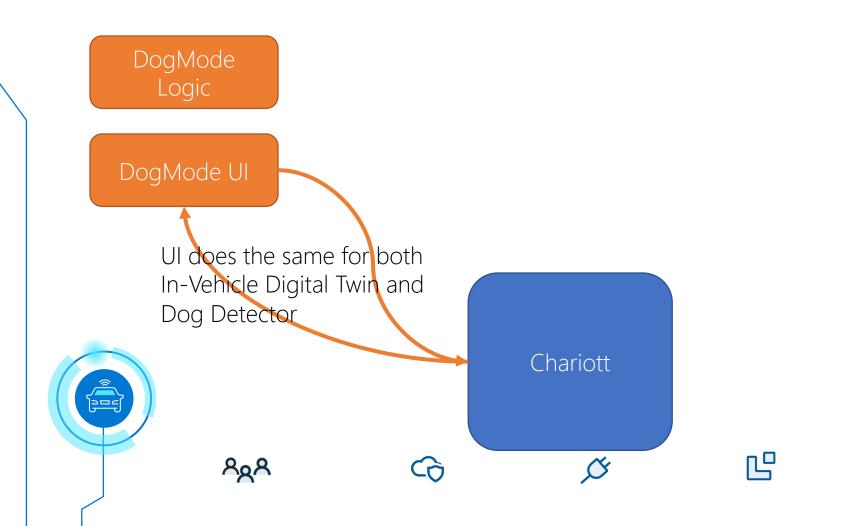




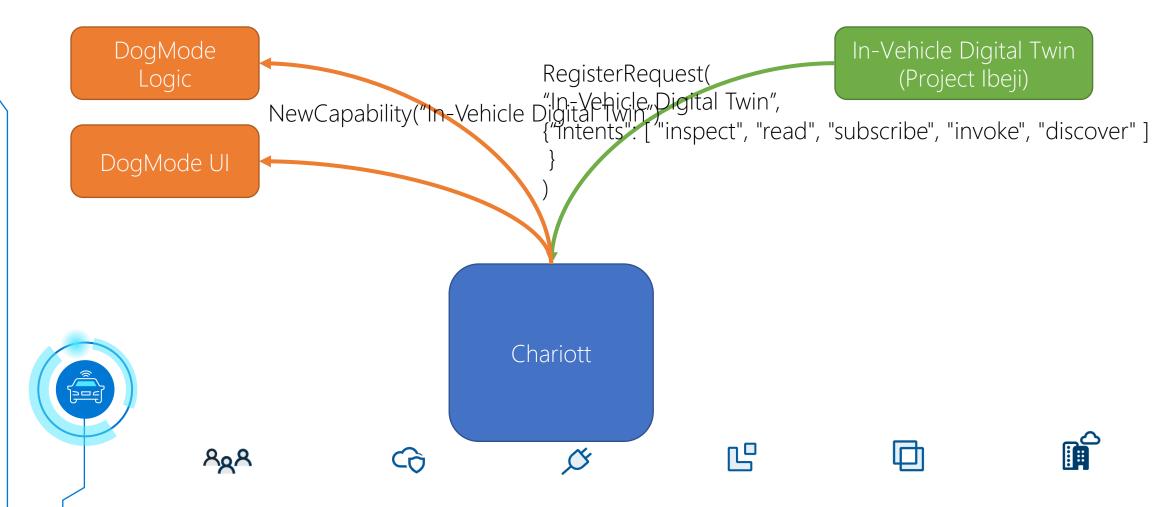


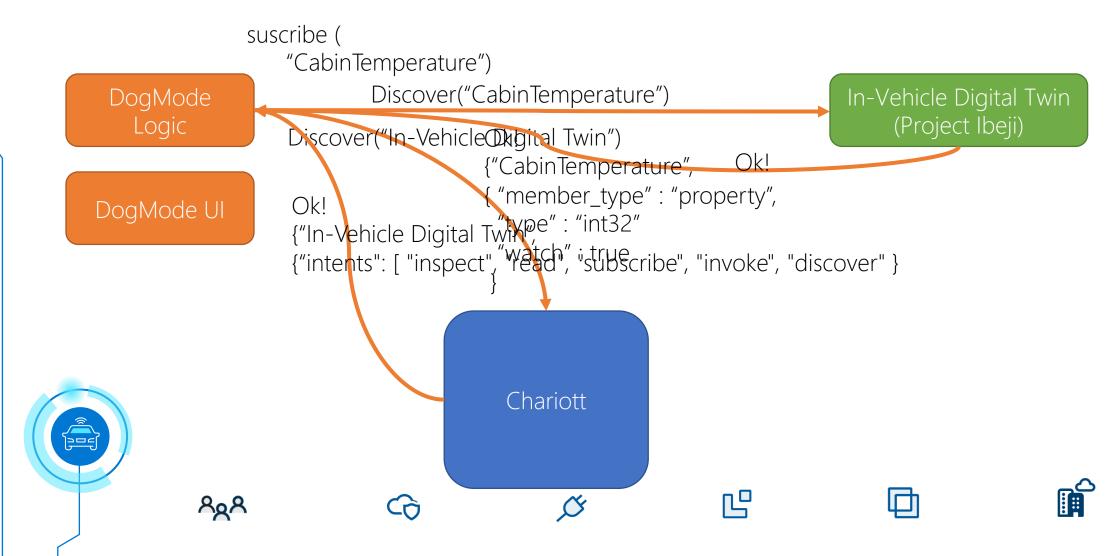






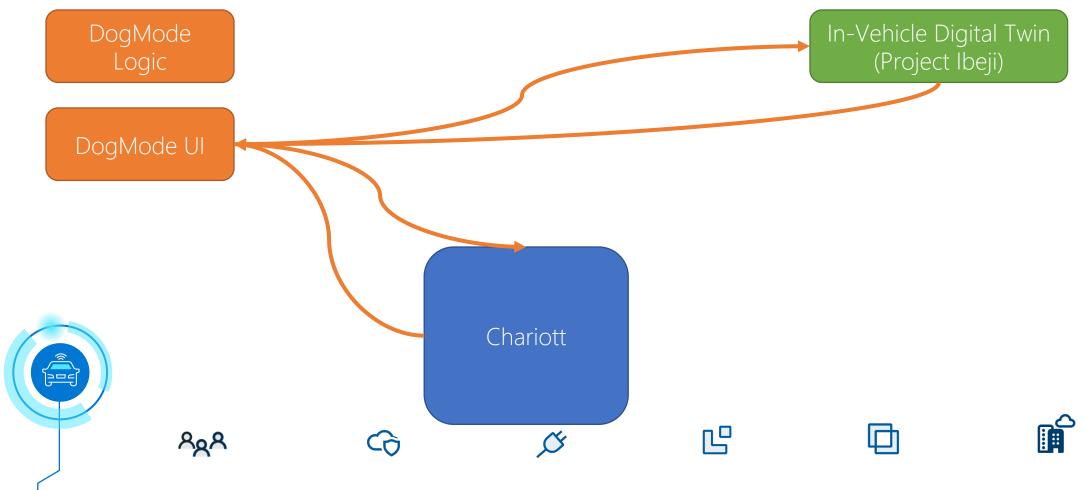


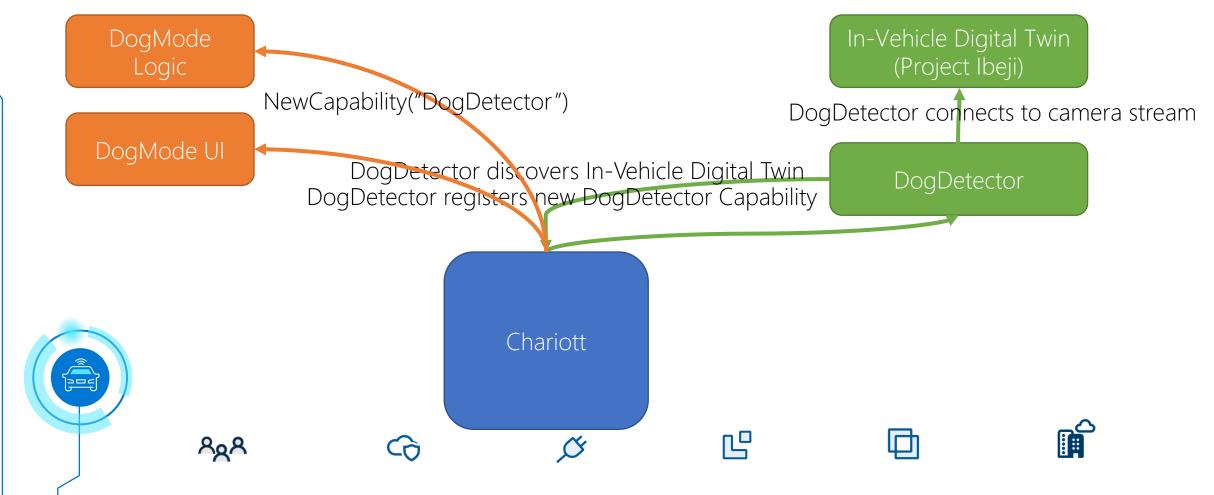


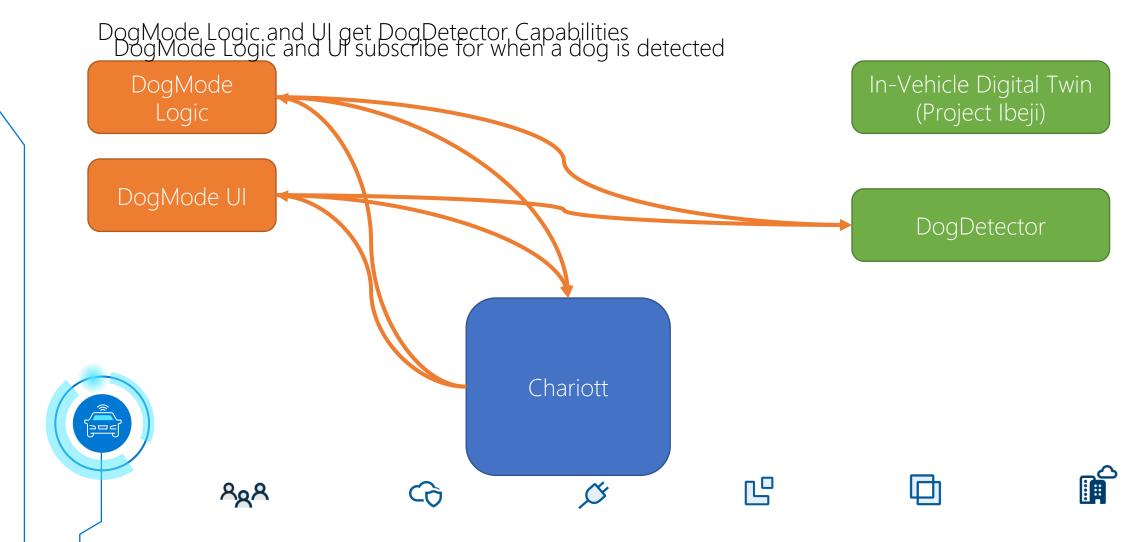


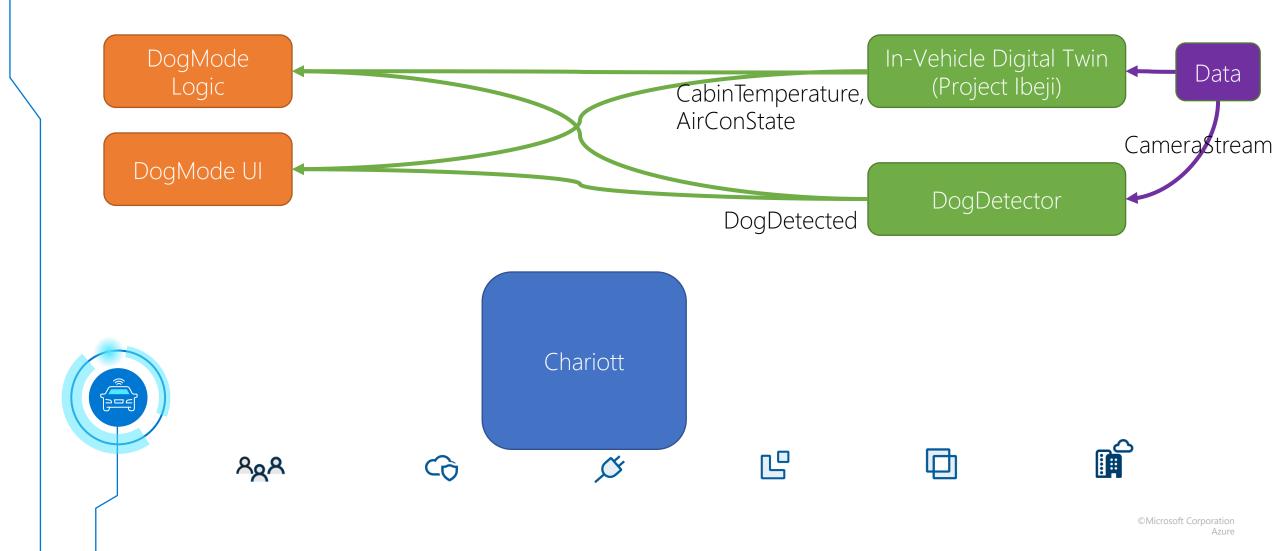


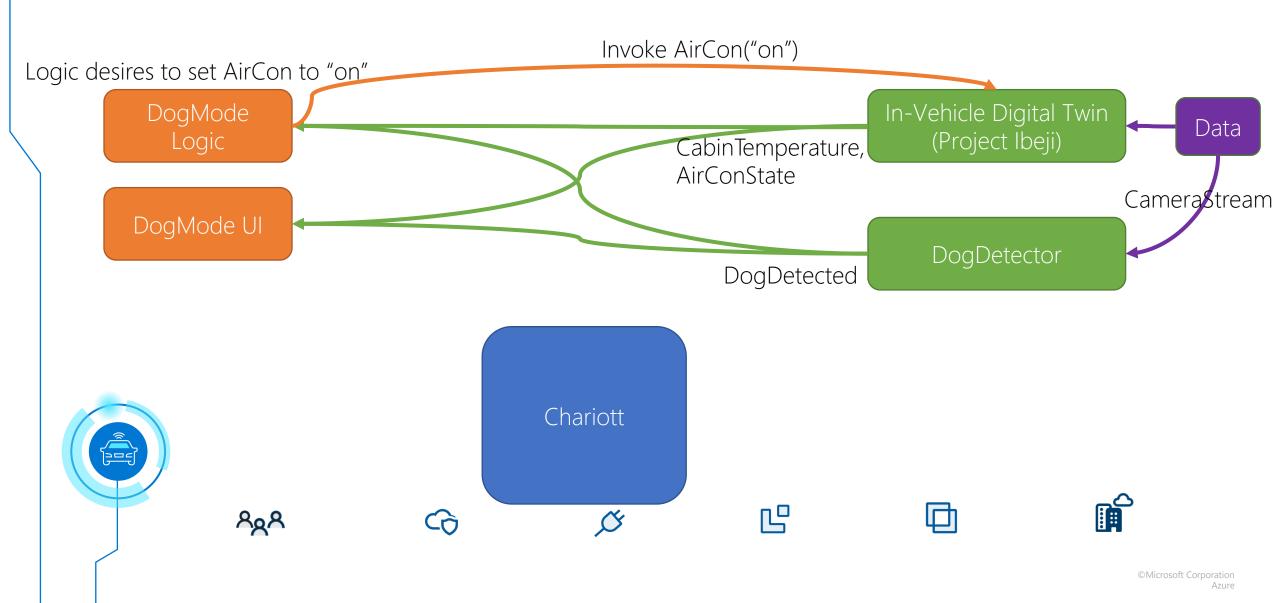
UI discovers and registers for CabinTemperature and AirCon











Key Takeways

- o Remote API based programming model
 - o gRPC proto is the contractual API
 - o Common operations (inspect, read, write, invoke, discover, etc.)
- o Richer brokering system modeling after COA
- o Dynamic Discovery supporting direct app to app communication incl. streaming
- Inspection of the system allowing lighting up features in applications
- o Readying it for integration with Ibeji (in-vehicle Digital Twin)





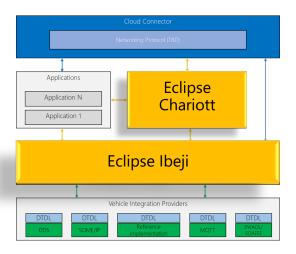












Q&A

Community Discussion

A detailed walkthrough recording is available at <u>Eclipse Chariott</u> <u>Project website.</u>















ALEX PFAU – Program Manager ATIF AZIZ – Software Engineer BASTIAN BURGER – Software Engineer BORIS SCHOLL – Architect DANIEL HEINZE – Software Engineer DANIEL LUEDDECKE - Microsoft @ ESDV SteerCo Member DANIELE ANTONIO MAGGIO – Software Engineer DARIUSZ PARYS – Software Engineer DAVID WHITE – Software Engineer FILIPE PREZADO – Program Manager FRED CHONG – PM Manager GRETA JOCYTE – Program Manager LARRY SULLIVAN – Group Software Dev Manager MAGGIE SALAK – Software Engineer MATTI SUOKKO – PM Manager MARIO ORTEGON CABRERA – Program Manager PATRICK SCHULER – Software Dev Lead SEAN SELITRENNIKOFF – Software Dev Manager SPYROS GIANNAKAKIS – Software Engineer STEPHEN WALLI - Microsoft @ ESDV SteerCo Member SAMI KHOURY – Azure Mobility Director TIM PARK – Software Engineer





Thank YOU.

chariott-dev@eclipse.org

