

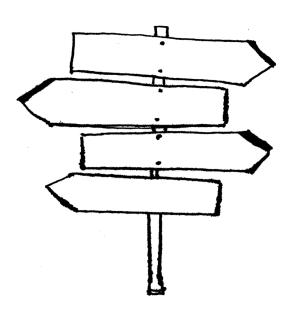


Polite for EV3

Stefan Borer, 11-932-407 Theodor Truffer, 11-103-157

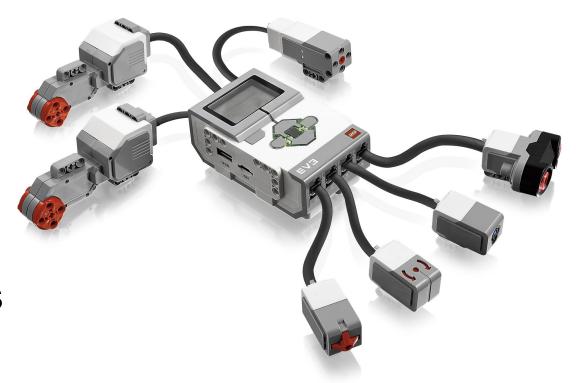
Roadmap

- 1. What is EV3?
- 2. Existing Projects
- 3. Polite for EV3
- 4. Demo



EV3 Brick

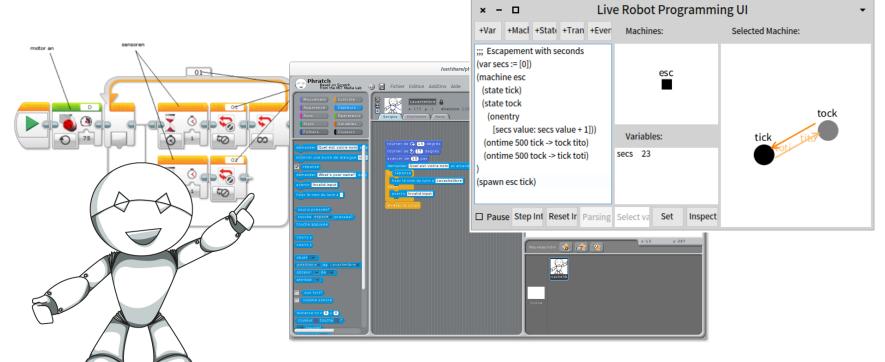
- 4 Sensors
- up to 4 Motors
- Wifi key
- HTTP-Server



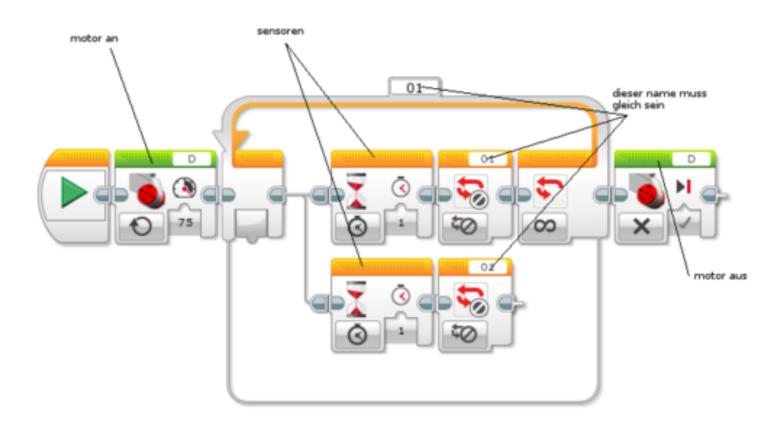
Existing Projects



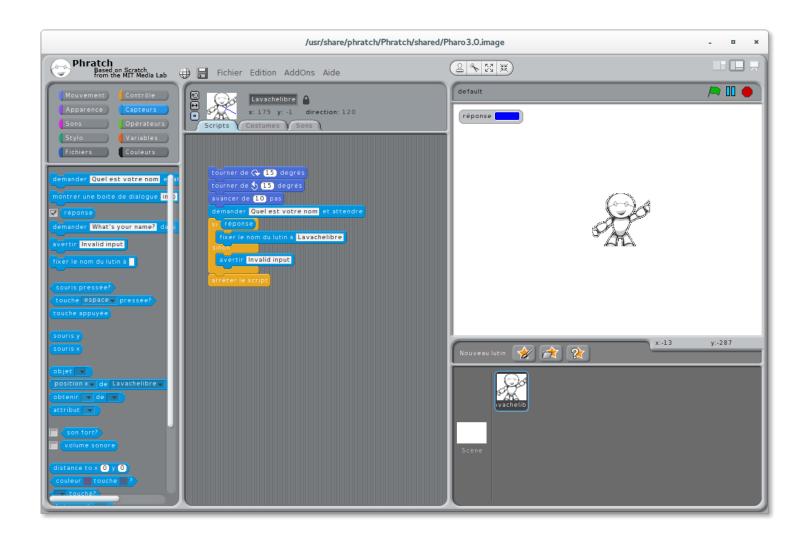




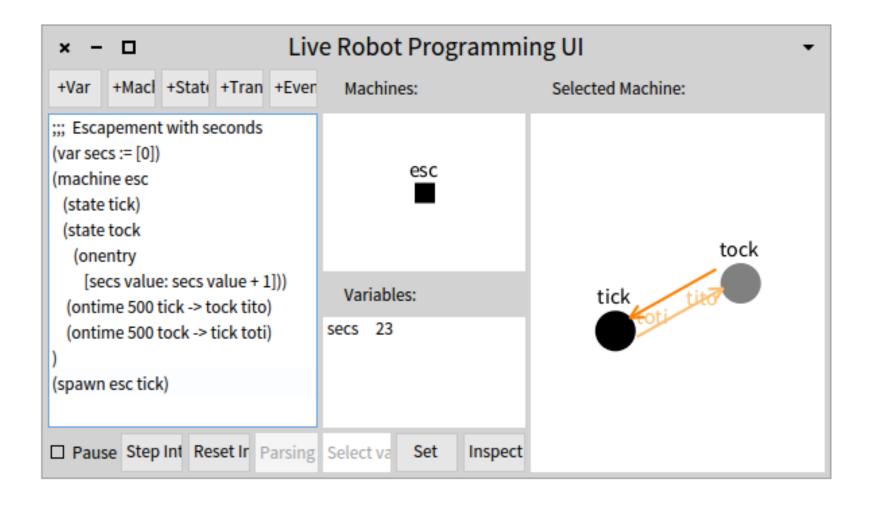
Lego Mindstorms



Phratch with Jetstorm



Live Robot Programming



What is Polite for EV3?

Polite Smalltalk



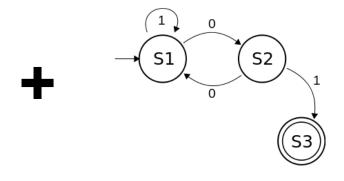
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"Have some Polite Code:"

protagonist := Polite Hero, named: 'The Red Rider'.

protagonist, beat the hell out of: (the bad guys) and save: (the lady).
```

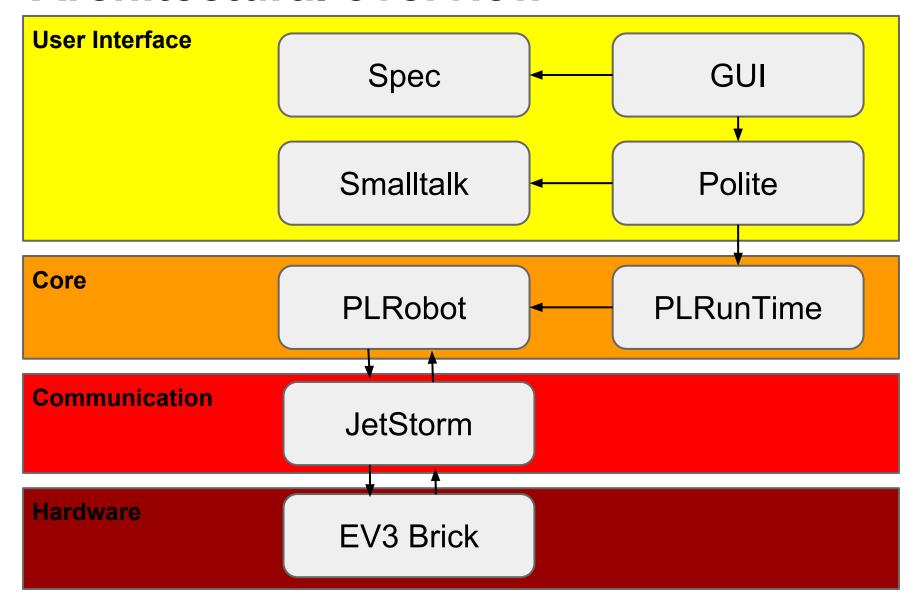
Polite for EV3

JetStorm

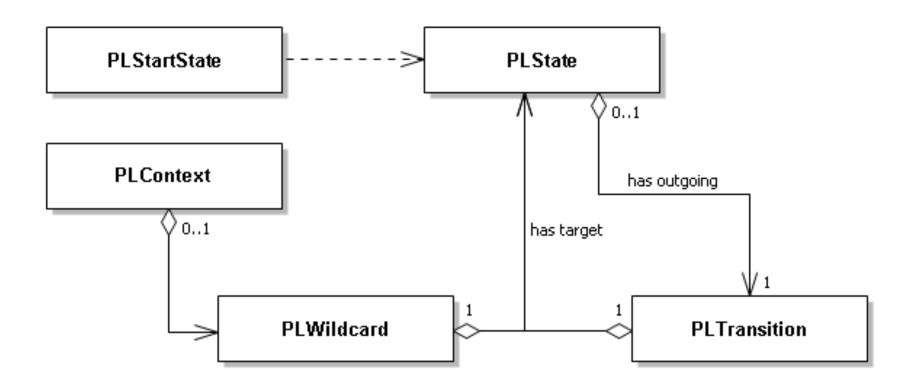




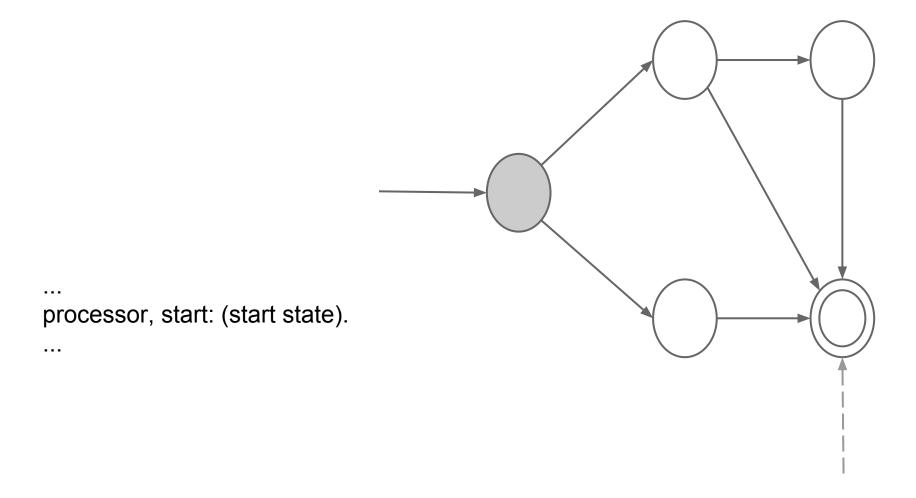
Architectural overview



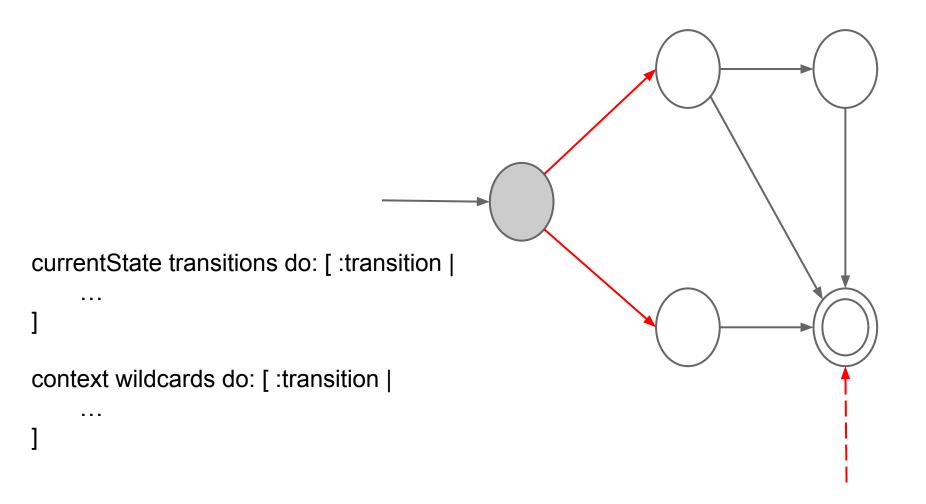
State machine - UML



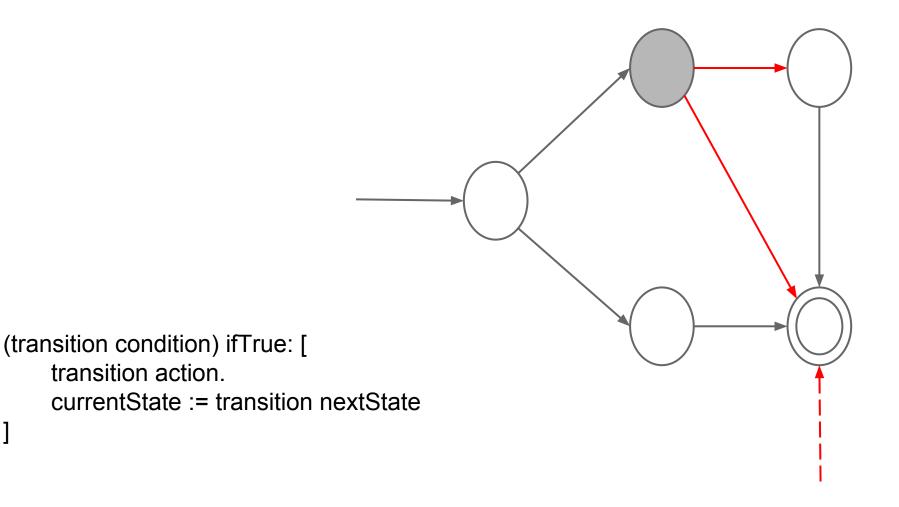
State machine - Processing



State machine - Processing



State machine - Processing



Demo

Outlook

- Add beginner-friendly API-Layer
- Support for variables
- More responsive UI
- Allow rendering of nested machine

Thank you!