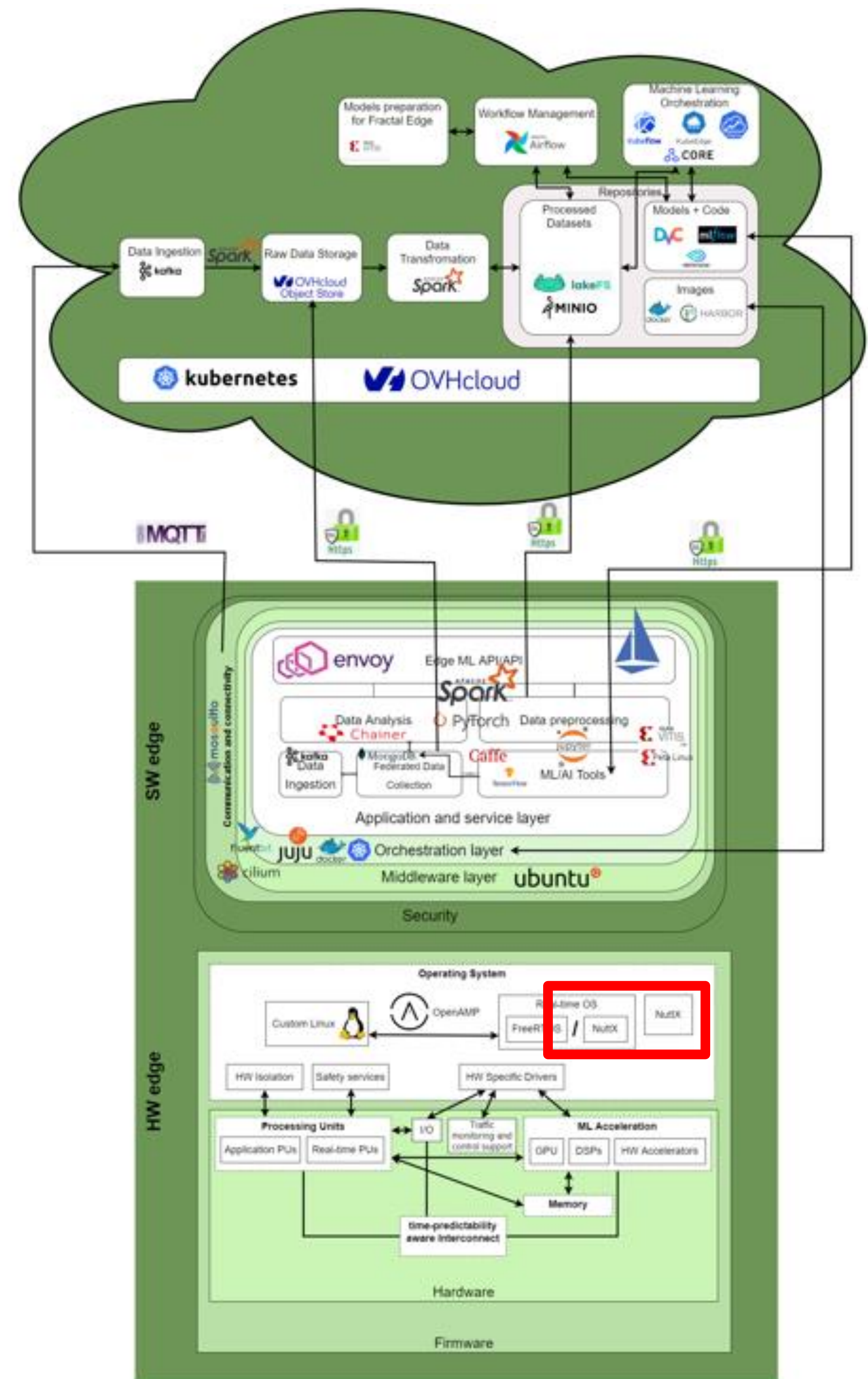




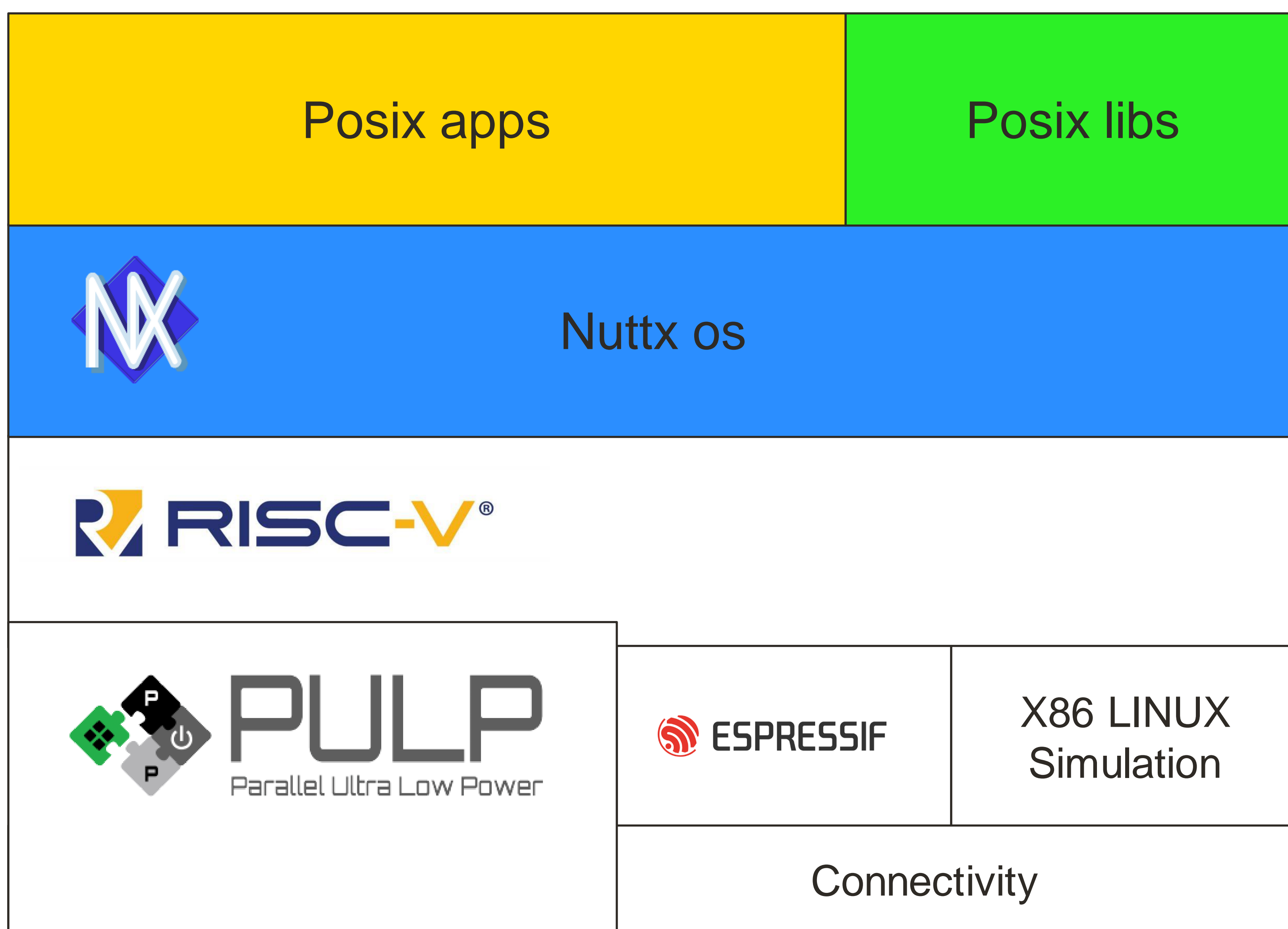
Component description

- Objective of the component:
 - Realize a Posix compatible real time operating Fractal low end nodes to enable Fractal cloud compatibility.
- Fractal Features associated:
 - ADAPTABILITY -->
- Inputs/Outputs:
 - INPUT: Deprecated RISC-V support for Nuttx
 - OUTPUT: Published in Nuttx mainline
- Integration:
 - RISC-V, PULP(*)

Component location



Images/Diagrams to describe the component and its processes



Get started

Nuttx offers a limited set of Posix compatible operating system features - such as threads, mutexes and c-API. While Nuttx is very similar than Linux, it have set of limitations – that mainly are inherited from limitations of underlying hardware – such as processing, memory and disk limitations. This yields to problem that some 3rd party tool are not available (I.e. Python and Java)

However, from programmer point of view the application development is quite similar than Linux development.

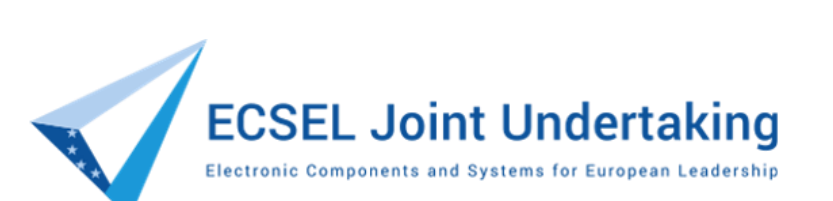
Note WP6.2 implements the low-end node orchestration to the Fractal cloud.

(*) Generic PULP FPGA implementation is bit limited due limited connectivity and clock speed of 10MHz

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