## Simplifying Cloud-Edge simulations with Python

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Cloud-Edge continuum is *heterogeneous*, *dynamic* and *QoS-sensitive* 

ECLYPSE



Simulation is *not enough* 



Lack of *user-friendly* and *accessible* tools that easily capture the environment complexity





A Cloud-Edge **Python platform** for simulated/emulated runtime environments



Designed to *manage, monitor* and *test* complex Cloud-Edge scenarios



Allow the modelling of *real-world* infrastructures and application behaviours (even ML-oriented).



Remote Config Service-based app(s) **Ray Cluster Delayed RMI** MPI, REST, .. Actors Logics **Remote Metrics Communication Interfaces 3**a define how services exchange monitor service-logic related information with each other measures on remote nodes **Events** 

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