

WOSCx

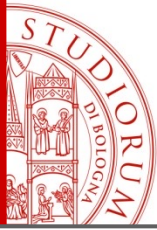
Unveiling Future Serverless technologies

**Support Architecture for Serverless computing:
model considerations and potential trends**

Antonio Corradi

*University of Bologna – DISI
Department of Computer Science and Engineering*

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Support Architecture for Serverless computing

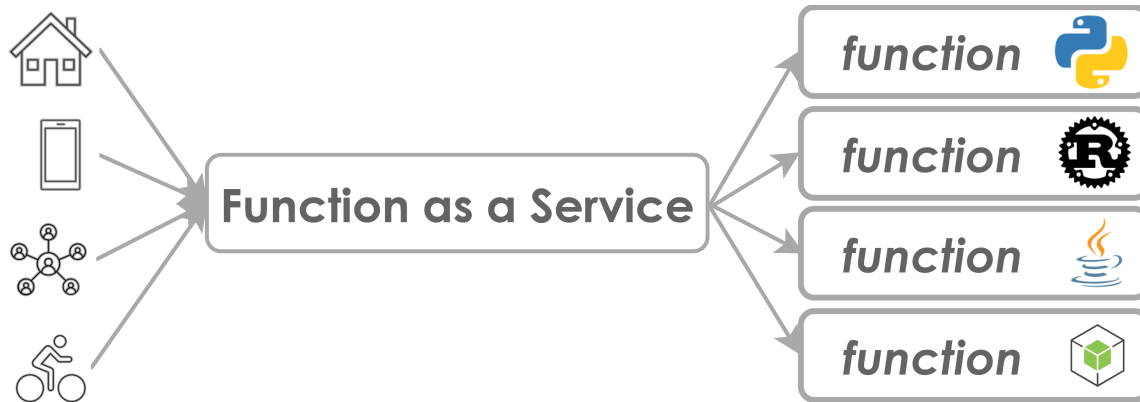
Serverless has much attractivity ...

For serverless, we can forecast the same evolution of the services in MultiCloud and cloud continuum

- **SOA and QoS - Synchronous paradigm, ACID**
- **Scalability, Replication, Efficiency**
- **Asynchronicity, Event, MOM, ...**
- Use **CAP** (Consistency, **Availability**, **Partition tolerance**)
- **Automate everything, anything can fail, ... →**
Eventual consistency

Support Architecture for Serverless computing

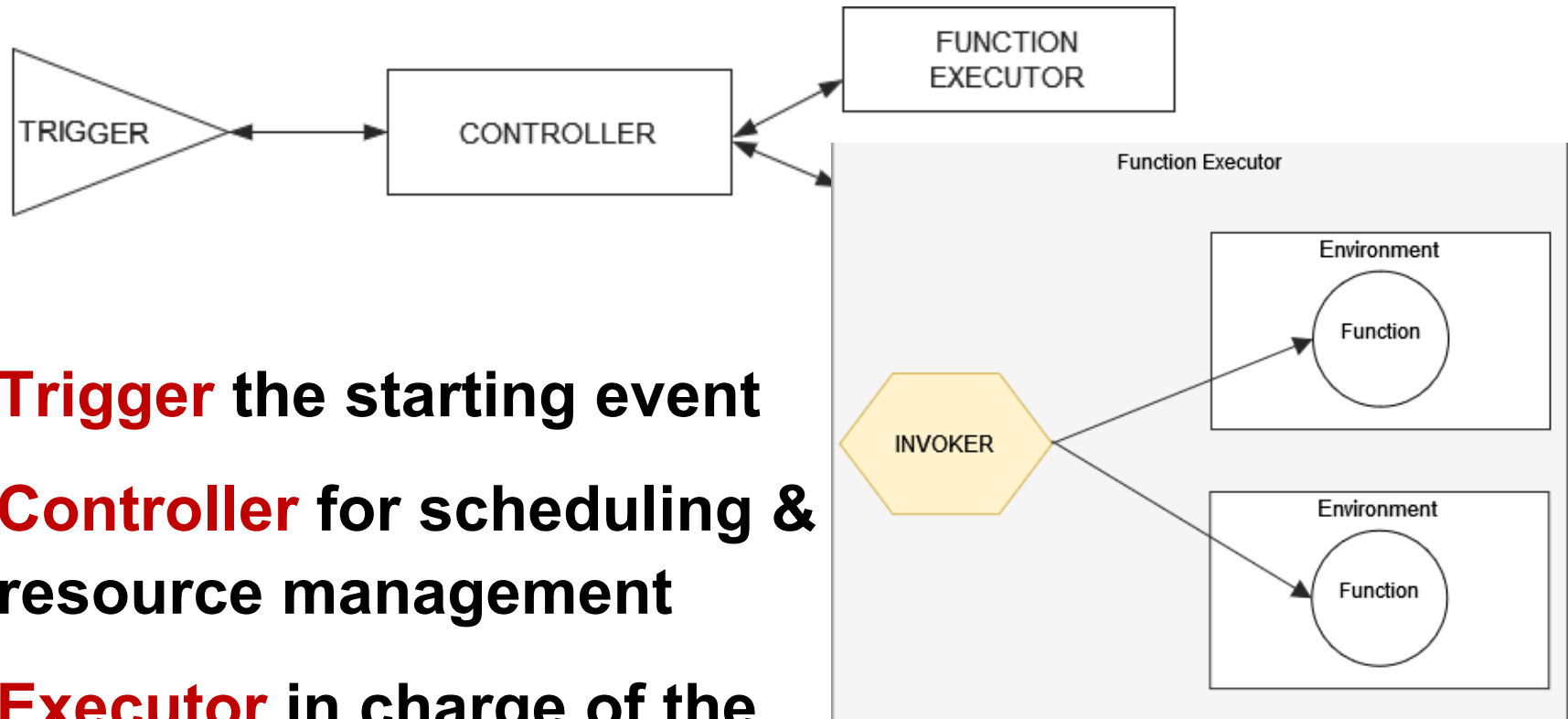
Serverless implies a support and execution model



The main point of our model is the idea of **event** and **triggering in an asynchronous pattern**



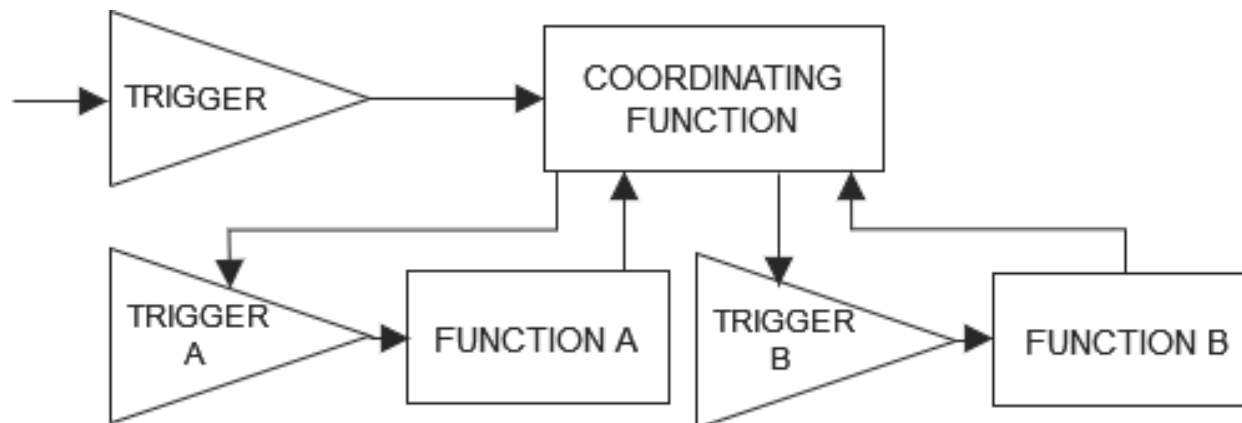
Basic Components

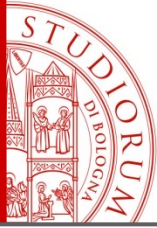


- **Trigger** the starting event
- **Controller** for scheduling & resource management
- **Executor** in charge of the function support environment

Function composition permits

- **defining** the merging of functions
- **controlling** the chaining on conditions
- **executing** a function to coordinate other function execution





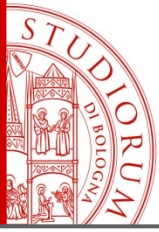
Support Architecture for Serverless computing

Serverless spreading

Enlarging applications, without limit to the life cycle

- **QoS:** not only elastic configuration
- **Dynamicity and Adaptation** to long life
- **The infrastructure support** must widen management of applications from **configuration to reconfiguration** of the **entire life cycle**

Multiserverless as a trend

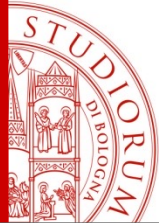


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Thanks

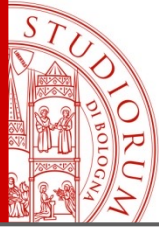
Antonio Corradi
antonio.corradi@unibo.it



WOSCx

Unveiling Future Serverless technologies

- How do you see Serverless Computing in five years?
Increasing and enlarging in technical applications
What are the Application areas?
- Propose a technical challenge to solve in the next years
Serious gaming, Edge computing, Vehicle Mobility, Health, Agri-food and Precision architectures
Looking for several killer applications
- What question would you want to ask another participant?
Standardization of platforms and interconnection
To minimize lock in



How can we make future WOSCx better?

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- **Making specific topic venues as regular discussion forums as a continuous path with regular community checkpoints**

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