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# RESTfull Conversations

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# What's going on?



- Searching for new concepts
  - Story! Demo! Feedback?
- Focus on
  - Micro? Cloud? --- Any runtime collaborating ecosystem!
  - REST? --- JAX-RS!



- Finished solution

I

Family

Friends

The Others!

Shared memory

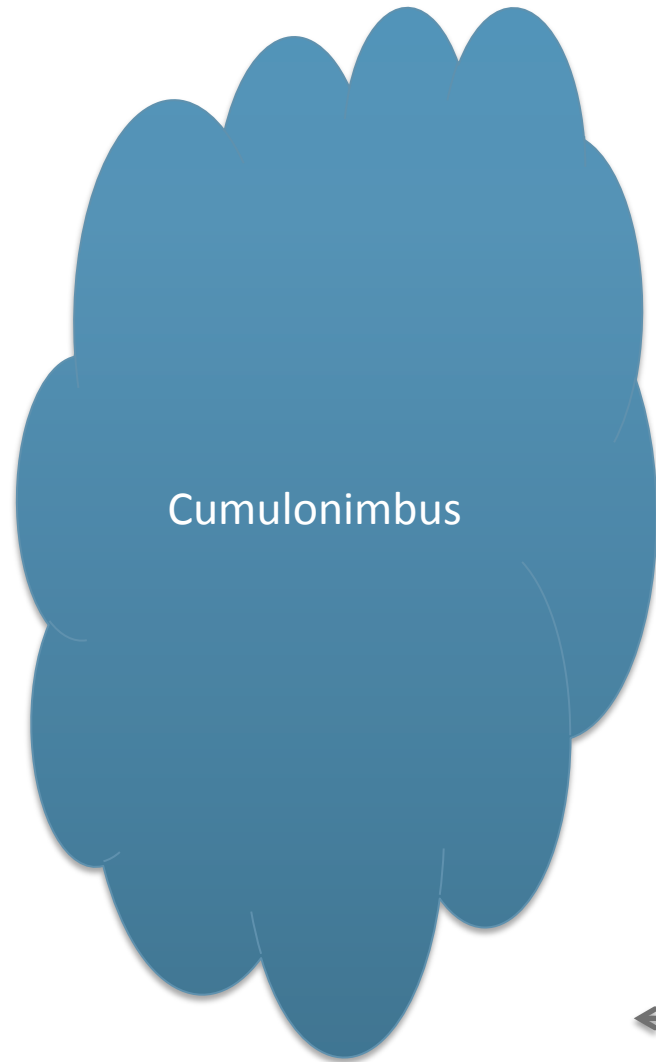
Messaging

REST (http)

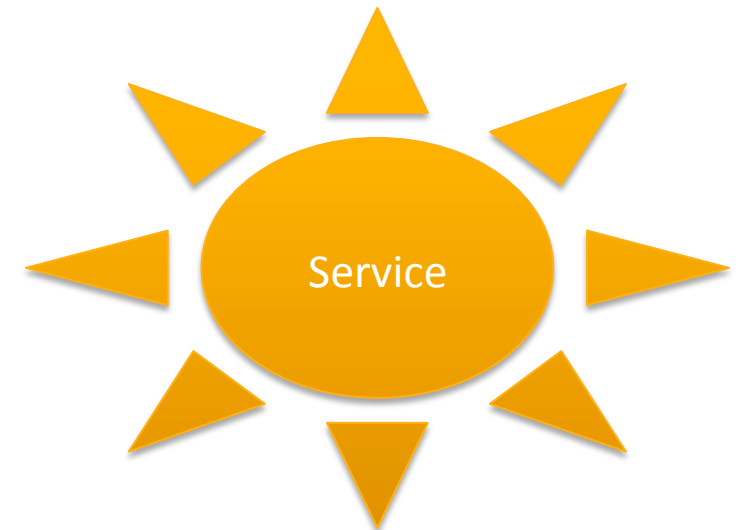
**Context + trust**

**Expected Reaction Time**

# Environment as a context



- Configuration
- Load contracts (Resources)



- Self registration

- Jersey
- Grizzly

# Contextual Target

- URL
  - Must for “The Others”
- Symbolic name
  - Example use Maven notation
  - Supports version selection strategy
  - Low balancing: local X reverse proxy
- N/A
  - Target is selected based on path (resource)



# Any & All (Queue & Topic)

- Any
  - Specifies accepted HTTP codes
- All
  - Multiple response
  - Streams supported
  - Easy to make reactive

**#WeLovePluto**

# Now or Later

- Independent
- Event lifecycle
  - Event driven strategy
  - Queue/Topic driven strategy
- Combined general JAX-RS approach with queue technologies
  - Portability guaranteed by HTTP
  - Reliability guaranteed by used implementation
- Response is supported
  - Define resource for response
  - Can be executed on any instance in the cluster

# What to tell next

- Who are between friends
  - Service registry knows
  - Local Driven Vs. Reverse Proxy balancing
- Security
  - Not yet answered
  - Generally use existing http approaches
- Difficulties
  - Resource providers
  - Resource path template

# Where to provide a feedback

Pease, do it! Please, please, please, do it!

- Martin Mareš



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@MartinJMares



<https://github.com/martinjmares/javaone2015-cloudone>

- Hangout

- Now
- Duke's café
- Hackergarten (Thursday)

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