

### SEMINAR 3

- What is the paper about?

4 most popular APIs, how they work and how to use them

- What is a server/client stub, in the context of RPC?

A piece of code that converts parameters in the context of RPC - serialization and deserialization

- What does it mean to be integrated with WS-security protocols? Exemplify

It provides privacy and integrity in the inside of the transactions allowing encryption at message level. SOAP is an example of a standard web communication protocol integrated with WS security

- How do you understand HATEOAS?

HATEOAS is the most mature version of REST, a long term solution for rest and includes the loose coupling feature

- "GraphQL has subscriptions" - What are subscriptions? Why would we need them?

Developers use GraphQL in order to make precise data requests. Subscriptions are like push notifications (real time) They are important for notifying in real time with great accuracy the user and allows the system to respond faster to change

- Order the API patterns by message size.

RPC, GraphQL, REST, SOAP

- Which API pattern would best fit your laboratory work? Why?

REST API has good discoverability, easy to implement and good documentation