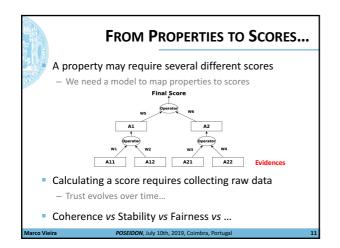


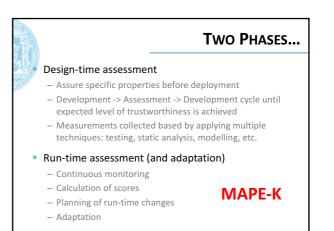
EXPECTED OUTPUTS

- A definition of trustworthiness properties
- A platform to characterize such properties
- A hybrid and federated container-based infrastructure
- Performance modelling services for the applications
- Trustworthy Data Management and Processing services
- A use case on telemedicine processing of *echocardio* images

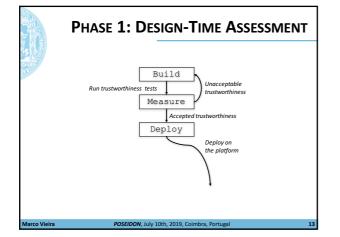
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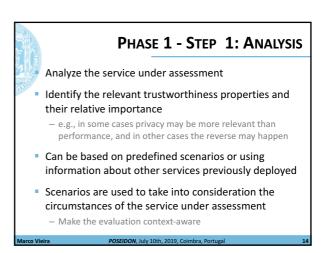
		TRUSTWORTHINESS PROPERTIES	
	Trust. Prop.	Explanation	
	Security	Covering Integrity, Availability, Confidentiality, we define it as the attack resistance and fault tolerance against malicious attacks.	
	Privacy assur.	Guarantee of an entity to be secure from unauthorized disclosure of sensible info.	
	Coherence	Consistency of the information regardless of the location.	
	Isolation	The effects of a service do not impact the trustworthiness of other data & services (e.g. crashes, starvation or privacy issues of a service do not compromise others).	
	Stability	The service produces equivalent outcomes and QoS for equivalent inputs and resources used.	
	Fairness	The assurance of ethical and legal rights.	
	Transparency	Involves multiple sub-dimensions, such as Awareness, Access, Redress (capability of rectifying), Explanation, Provenance, Auditability and Accountability (assign responsibility to services and their outcomes).	
	Dependability	Includes multiple sub-dimensions, such as Integrity (absence of improper system alterations), Availability (readiness for correct service), Reliability (continuity of correct service), Maintainability (ability to undergo modifications and repairs), Safety (absence of catastrophic consequences on the user(s) and the environment), and Performance stability over time.	
Marc	o Vieira	POSEIDON, July 10th, 2019, Coimbra, Portugal	10

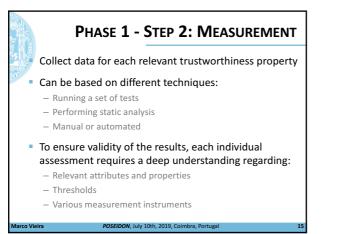


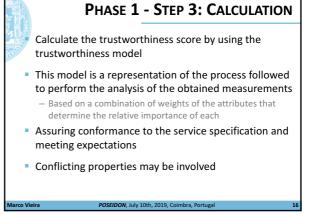


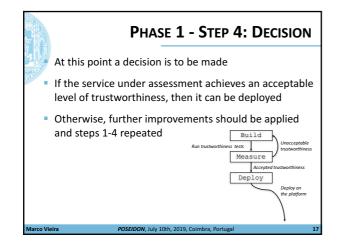
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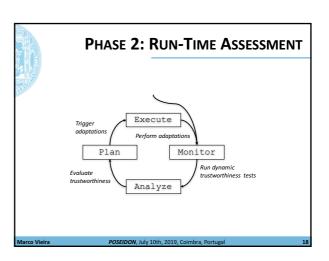












PHASE 2 – STEP 1: MONITORING

Data related to the relevant trustworthiness properties defined are continuously collected

- Probes collect data that is managed and stored by a monitoring platform
- Tests may be executed to generate/collect data (active monitoring)
 - e.g. attack injection
 - Taking into account runtime aspects and constraints

