SLA@SOI:
Infrastructure Management

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contributing to NESSI

What We Want!

- **standard** interface to dynamic infrastructure provisioning

- **guarantee** and verify the infrastructure provisioning using "machine-readable" SLAs

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SLAs

- **not considered** by many providers & are for many "best effort"
  - amazon ec2 not machine-readable[1]
  - slicehost considers them to be "silly"[2]

- guarantee that what you **ask** for, you **get**

- allow you to **verify** provisionings

- **notify** violations and define appropriate automated actions/penalties

SLA@SOI Approach

- **standardise** interfaces to dynamic infrastructure
  - *de facto* or *de jure*

- **standardise** a provisioning schema/DSL to express SLAs as requirements
- *complement* automated negotiation using WS-Agreement

- some **work in progress**:
  - reviewing all IaaS APIs - find lowest common denominator
  - Reviewing IaaS provisioning schemas including standardised schemas such as DMTF-OVF