Forging Digital Societies

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The SDI Project

• **What**
  
  • Virtualizable and programmable physical infrastructure
    • Composed of an Overlay SDN and an Edge Cloud in 13 Points of Presence

  • Infrastructure orchestration platform
    • To provision distributed compute and networking resources
    • Based on the integration of Open solutions for automation and orchestration

• **Why**
  
  • To support the evolution of existing applications and services to the hybrid cloud paradigm

  • To adopt new methodologies and processes of validation, testing and provisioning
Infrastructure and Resources
Use Case: PoC evolution of RNP’s Video Delivery Service

• Scope
  • Extend the service control network to remote sites
    • Using SDN, NSI and VLXAN
  • On demand deployment of CDN Edge servers
    • Instantiated on the nearest PoP to the user
    • Automatic discovery/registration (via Consul)

• Benefits
  • Optimization of resources usage and location
  • Seamless integration to existing infrastructure
Thank you
Any Questions?
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