

Wigner Datacenter's new software defined datacenter architecture

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Our cloud deployment at Wigner Datacenter (WDC) is undergoing significant changes. We are adapting a new infrastructure, an automated OpenStack deployment using TripleO and configuration management tools like Puppet and Ansible. Over the past few months, our team at WDC have been testing TripleO as the base of our OpenStack deployment. We are also planning a centralized monitoring and logging system and open-source firewall solution.

The goal is to create an highly scalable and secure open-source SDDC (software defined datacenter) for the scientific community. In this presentation we are going to show the software and the toolset we use, and our progress and challenges so far.

Desired length

20

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