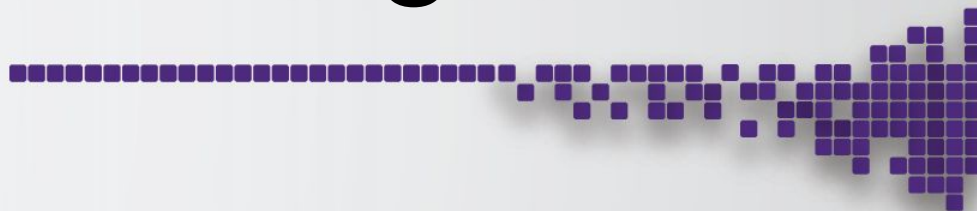




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Enhanced IaaS building blocks



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INDIGO-DataCloud is co-funded by the
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Container support



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- Improved support in OpenStack
 - nova-docker maintenance, bugfixes
 - nova-docker phased out by upstream developers, maintained by us until EOL
 - Follow up Zun developments
- New extension for OpenNebula
 - ONEDock as a new hypervisor type
- Automatic DockerHub synchronization into resource providers catalog
- Standards based IaaS management (OCCI 1.2)

See F. Aguilar's presentation <https://indico.egi.eu/indico/event/3249/session/41/contribution/226>

- uDocker and bDocker for Docker execution in batch systems (but not only)

See uDocker presentation <https://indico.egi.eu/indico/event/3249/session/39/contribution/141>

Enhanced Scheduling



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- Three different, complementary, approaches
- FairShare scheduling
 - Synergy for OpenStack
 - FaSS for OpenNebula
- Preemptible Instances support in OpenStack (OPIE)
- Partition Director to consolidate share and usages across cloud and batch systems

See next presentation <https://indico.eji.eu/indico/event/3249/session/41/contribution/149>

Other modules



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- TOSCA-based IaaS orchestration
 - OpenStack Heat Translator and parser
 - Heat Translator as a Service being implemented, expected to be delivered before the end of the project.
 - Infrastructure Manager (IM) used for OpenNebula
- OpenID Connect support
 - Improved OpenID Connect support in OpenStack Keystone.
 - OpenNebula support through WaTTS (see Bas presentation <https://indico.eji.eu/indico/event/3249/session/14/contribution/67>)



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Thanks.