INTEL® INTELLIGENT POWER NODE MANAGER

Intel enabling energy-efficient private clouds with Intel Intelligent Power Node Manager

TRUSTED COMPUTE POOLS

Intel helps you build open, secure, and energy-efficient clouds
- Intel works on open development of cloud standards
- Intel is making significant contributions to OpenStack

Intel gets businesses ready for OpenStack
- Developing Intel® Cloud Builders OpenStack reference architecture
- Partnering with OpenStack project leaders such as Rackspace

Intel gets OpenStack ready for businesses
- Using OpenStack at Intel IT to manage a private cloud
- Enabling trusted compute pools and policy-based power management

POLICY-BASED POWER MANAGEMENT

TRUSTED COMPUTE POOLS

UNTRUSTED

TRUSTED

CLOUD COMPUTING WITH OPENSTACK

OpenStack architecture showing Intel involvement

CLOUD COMPUTING WITH OPENSTACK

Conceptual model of cloud computing showing OpenStack coverage

OPENSTACK SCHEDULER

Intel contributing to OpenStack scheduler
- Developing a scheduler that makes more intelligent decisions
- Exposing rich data set of hardware characteristics to scheduler
- Modifying the APIs to support policy-based management

INTEL® PLATFORM ATTESTATION

Intel enabling cloud security with TXT and TPM
- Contributing an open remote attestation stack to access trustworthiness of a remote VMM
- Tboot/TXT support has been in Xen since Xen3.2.
- Tboot support has been in Linux since 2.6.33.

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SOURCES AND RESOURCES

www.openstack.org • www.intel.com/opensource • www.intel.com/cloudbuilders