



Introducing Intel[®] Datacenter Manager: Service Assurance Administrator

Boyd Davis

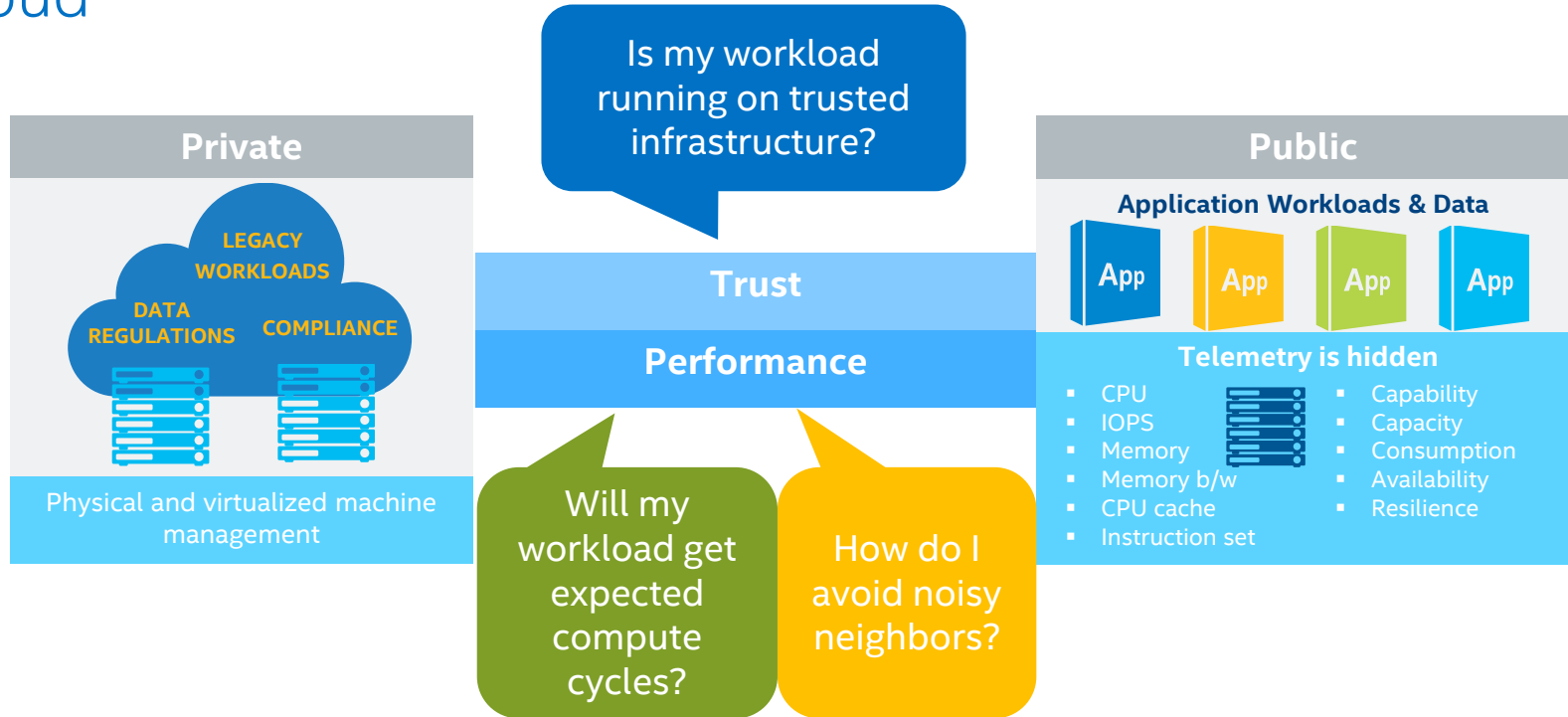
Vice President & General Manager

Datacenter Software Division

Intel

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Questions Remain for Running Enterprise Workloads in the Cloud



Enterprise Workloads Require Service Assurance

Service Assurance for Enterprise Workloads

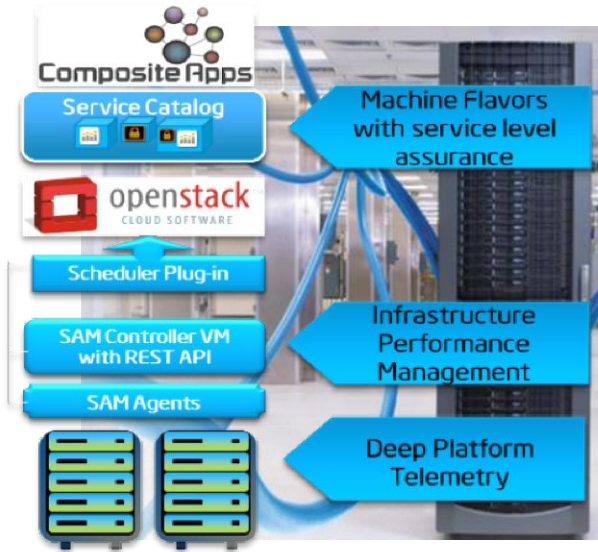


Intel® DCM:
Service Assurance
Administrator



Policy based automation
Dynamic provisioning and
service assurance

New: Intel® DCM: Service Assurance Administrator v1.0



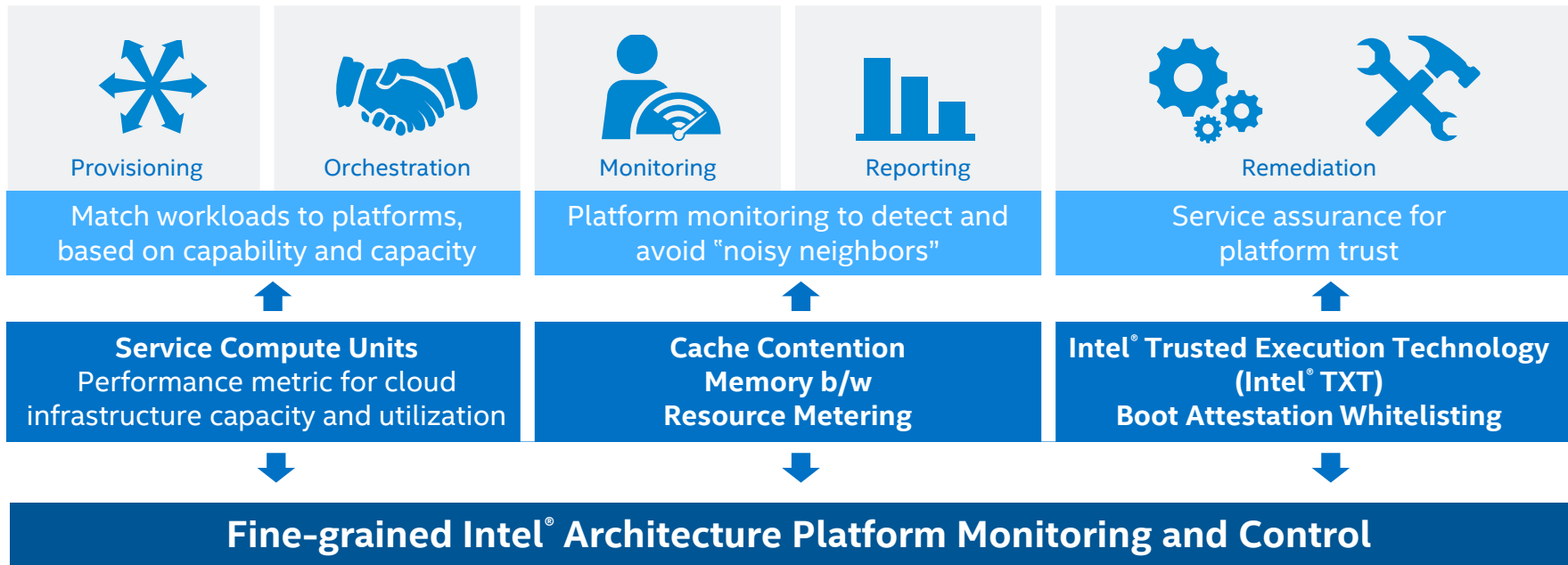
A utility suite of software to enhance an Open Stack cloud infrastructure delivering efficiency, consistency, and trust

Comprised of

- Agents deployed on each compute node that collect and report key metrics on the node's trust level and performance
- SAM controller to optimize workload placement using the deep platform telemetry from the agents
- Scheduler plug in extends the capabilities of Nova by extending the flavor definitions to specify service level objectives

Compatible with Openstack 2013.1 and 2013.2 (Grizzly and Havana releases), 2014.1 (Ice House) in the next release

Why Intel® Datacenter Manager: Service Assurance Administrator (SAA) ?



Intel's deep platform monitoring generates capacity, capability, and consumption data necessary for high levels of service assurance for the software-defined infrastructure.

Introducing our Intel® DCM: SAA Partner:



OpenStack for the Enterprise

Redapt with Intel® Datacenter Manager: Service Assurance Administrator open up possibilities.

OVERVIEW

- > Purpose-built, high-performance OpenStack appliance.
- > Legacy and cloud application features to ensure high availability.
- > Modular rack design provides flexibility and scalability for growing your OpenStack Cloud.
- > Pre-configured reference architecture accelerates production deployments by 9 months.
- > Simplified management tools to reduce system complexities of OpenStack.
- > Software that increases datacenter efficiency by allowing more applications to be hosted in a software-defined infrastructure (SDI).

What is OpenStack?

Openstack is a set of software tools for building and managing cloud computing platforms for public and private clouds. Openstack has a six month, time-based release cycle with frequent development milestones.

This constant change can be implemented into your cloud with the use of Redapt & Intel DCM: SAA so that it can provide the most benefit to your team and account for the consistent change.

How Redapt Helps!

Redapt has designed and built turnkey reference architecture, with Openstack and Intel DCM: SAA, that ships workload ready.

We are enabling enterprise clouds to be production ready. The traditional issues created from shared environments such as noisy neighbors are a thing of the past.

Intel DCM: SAA provides improved management over your workloads with service level agreements and flavors that meet continuous performance objectives.

Why Intel SAA?

Intel DCM: SAA fills a critical gap when IT management needs to implement Openstack for the enterprise. Intel DCM: SAA enables workloads running in a trust-attested virtualized cloud with consistent performance, and enables SLA monitoring and cloud capacity provisioning and monitoring.

Redapt delivers workload ready Openstack Rack Appliances, operations training and support and monitoring of your SAA and OpenStack environment.


Why Redapt?

- > Redapt is the first channel partner to customize a reference architecture that takes full advantage of Intel chipset and processor technologies with Intel DCM: SAA.
- > Created rack appliance specifically for Intel DCM: SAA.
- > Experienced Redapt Engineers, ready to help with your OpenStack cloud integration.

Ready to get started?

Contact your local Redapt Rep
sales@redapt.com
888.800.5633
www.redapt.com/Intel_SAA





OpenStack for the Enterprise

Redapt with Intel® Datacenter Manager: Service Assurance Administrator open up possibilities.

Addressing challenges in cloud infrastructure and services administration.

Trust Assurance	Is my workload running on trusted infrastructure? How can I generate compliance report assuring the customer?
Performance Assurance	Will my workload get expected compute cycles? How do I assure customers that there are no noisy neighbor W/O?
Infrastructure Availability	Is it hard to root cause and remediate issues in cloud physical and virtual environments? Is the hardware and software open for innovation?
Machine Flavor Portability	Is my workload locked to specific infrastructure? How do I migrate the infrastructure? Is there a portable machine performance definition?

Gain control of cloud infrastructure and services operations

Intel DCM: SAA provides essential software tools to cloud administrators that enhance OpenStack infrastructure and operations management.


The product enables creation of trust and performance assured cloud machine flavors for OpenStack IaaS compute.

Why Choose OpenStack?

- > Enables enterprises to deploy extensible, flexible, and resilient cloud infrastructure.
- > Provides the most impact for the cost.
- > Maximizes business agility
- > Leverages an open architecture that promotes flexibility and investment protection.
- > Avoid proprietary vendor lock-in.
- > Provides a scalable solution to meet the growing needs of organizations deploying private clouds.
- > Allows organizations to easily manage, manipulate, and control network resources while seamlessly integrating multiple cloud services such as network, compute, and storage.

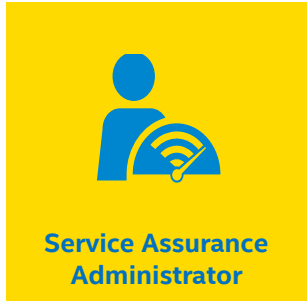
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Intel[®] DCM: Service Assurance Administrator



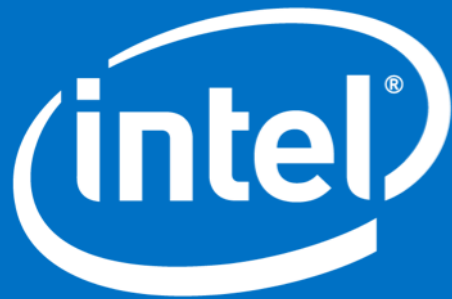
Service Assurance

- Monitoring
- Service level tracking
- Reporting
- Diagnostics
- Capacity planning

Available now.

www.intel.com/assurance

Intel's deep platform monitoring allows highest levels of service assurance for the software-defined infrastructure.



Software

Disclaimers

- Results have been estimated based on internal Intel analysis and are provided for informational purposes only. Any difference in system hardware or software design or configuration may affect actual performance
- No computer system can provide absolute security. Requires an enabled Intel® processor, enabled chipset, firmware and/or software optimized to use the technologies. Consult your system manufacturer and/or software vendor for more information.
- The original equipment manufacturer must provide TPM functionality, which requires a TPM-supported BIOS. TPM functionality must be initialized and may not be available in all countries.