Intel® Service Assurance Administrator (Intel® SAA) provides essential software tools for OpenStack* cloud services and infrastructure management. The product enables creation of a software-defined infrastructure with enhanced service level objectives. Intel SAA enables cloud machine instances to be placed only on trust-attested compute nodes with target performance level objectives.

Gain control of cloud infrastructure and services operations

**Agility**
Run workloads with confidence on software-defined infrastructure

**Automation**
Enhance OpenStack* to provision and monitor machine flavors with specified service levels

**Efficiency**
Integrate with IT operations tools to determine probable root cause, report, and help remediate issues
## Address Your Cloud Infrastructure and Services Administration Challenges

### Controller Virtual Appliance

- **Enhanced Cloud Services Catalog**
- **Web Admin Console**
- **Machine Flavor Creator**
- **Capacity Insight**
- **Analysis and Remediation Engine**
- **Monitoring Engine**
- **REST API**
- **Node Agent**

## Intelligent workload placement with automated provisioning

- Enhance machine flavors with service level objectives
- Place machine instances on trust-attested compute nodes
- Place machine instances to meet performance objectives

## Probable root cause analysis with monitoring and data analytics

- Monitoring of critical OpenStack* compute components
- In-depth compute node monitoring to detect anomalies
- Set/execute IT policy, collect service usage data

## Insightful planning with capacity and usage data

- Compute node capacity, capability, and consumption
- Virtual machine (VM) capacity, capability, and consumption
- Reporting for enhanced IT policy compliance

### FEATURES vs. BENEFITS

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<th>FEATURES</th>
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| Enhance Machine Flavors managing to service level objectives | • Target machine instances to run only on trust-attested compute nodes  
• Specify performance quota with Service Compute Unit enabling higher density of VMs per node |
| Automated provisioning with intelligent machine placement | • Automated placement of VMs on trust-attested nodes  
• Automated placement of VMs to avoid performance issues |
| OpenStack* Health Monitoring: Efficient Administration | • Critical OpenStack* component monitoring  
• In-depth compute node monitoring |
| Analysis and Remediation Engine: Probable Root Cause Analysis | • Log file data collection  
• Detect anomalies  
• SLA violation detection |
| Capacity and usage for insightful planning | • Compute node resource capacity, capability, and consumption  
• VM capacity, capability, and consumption  
• Intelligent, automated machine instance provisioning |

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