



Virtana Service Observability Integrations for Cloud Solution Brief

Business Challenge:

A key element in successfully monitoring today's dynamic, complex infrastructures is extensibility — the ability to rapidly extend monitoring to new technology resources. IT operations teams need a way to assimilate cloud technologies into standard IT monitoring processes without incurring unnecessary costs or delays in service delivery schedules.

The Virtana Difference.

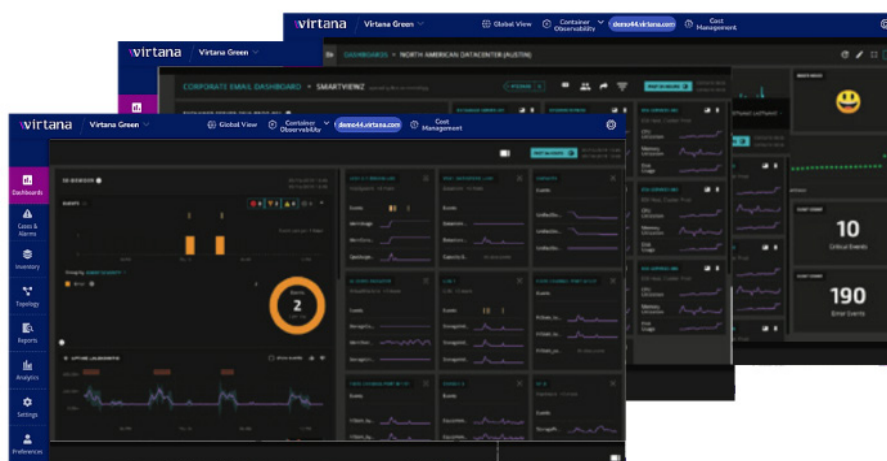
If you can't see it, you can't assess it. Integrations are plug-ins that make it easy for you to collect **real-time health and performance metrics** from every system in your environment.

There are four categories of Integrations — **Commercial, Open Source, Subscription and Community** — which are aligned by two key attributes: who has access to the Integration and how it is supported. Many integrations are created by Virtana and are released freely, while others are only available via a paid subscription or service agreement. Community Integrations are created and supported by our Community members.

There are **more than 500 Integrations** available — but if we don't have an integration you need, you can engage our Professional Services team or easily build your own to monitor your custom systems and applications through our Integration SDK.

Integrations for Virtual Resources

Integrations give customers the ability to further unify the monitoring of their cloud-based infrastructures. The integrations are developed to help organizations make their monitoring operations more efficient and effective and are updated regularly by the Virtana engineering team to support the latest releases from each independent software vendor or cloud provider. Virtana was built from the ground up to deal with the real-time changes in these dynamic technologies, so you don't need massive investments in professional services for implementation. You simply install the integration you need and point it at the resources you need to monitor.





Monitor Any Cloud Platform

For services running in the public cloud, integrations for Google Cloud Platform, Amazon Web Services and Microsoft Azure provide metrics for cloud entities like regions, instances and subnets on your cloud provider’s network. These integrations show how failures in individual cloud components can impact overall service delivery.

For enterprises and service providers deploying private or hybrid clouds, Virtana also offers integrations for OpenStack, CloudStack and vCloud Director. These integrations enable a tenant view for users of a public cloud, allowing them to monitor the performance and availability of their services and view them as part of their unified environment.

	Integration Type		Features				Cloud Monitoring	
	Commercial	Open Source	Discovery	Performance Monitoring	Event Management	Service Impact/Root-Cause Analysis*	Provider View	Tenant View
Google Cloud Platform	✓		✓	✓	✓	✓		✓
Amazon Web Services	✓	✓	✓	✓	✓	✓		✓
CloudStack		✓	✓	✓	✓	✓	✓	✓
Microsoft Azure	✓		✓	✓	✓	✓		✓
OpenStack Cloud Monitor		✓	✓	✓		✓		✓
OpenStack Infrastructure		✓	✓	✓		✓	✓	
OpenStack Object Storage (Swift)		✓		✓				✓
VMware vCloud	✓		✓	✓	✓		✓	
Kubernetes	✓		✓			✓		✓