

HyTrust® Appliance 2.5

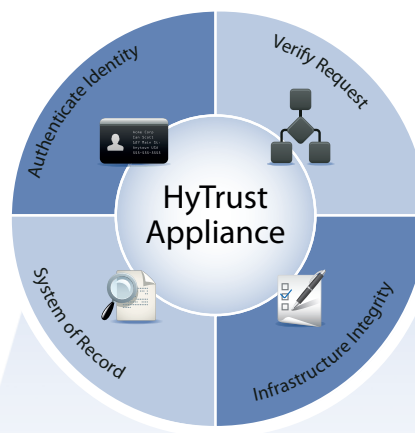
HyTrust Appliance eliminates the biggest barriers to virtualizing tier-one, mission-critical workloads, enabling organizations to build private clouds that satisfy the demands of both internal security teams and external auditors.

THE CHALLENGE

Given the huge ROI, it's no surprise that Gartner Group projects server virtualization to account for a full 50% of workloads by 2012 up from just 12% in 2009. After an organization virtualizes its "low hanging fruit," mission-critical applications are next. As such, auditors and security demand more visibility and more control.

Administrative access to the virtual infrastructure is like having access to every system, application, and security appliance in the datacenter. There is no keycard on the virtual door. There are no locks on the virtual racks. And it's difficult to see what changes are being made.

It's understandable that the security and audit teams are nervous. They must feel confident that there are appropriate controls and visibility. This is where HyTrust Appliance comes in.



THE SOLUTION

HyTrust Appliance is the gatekeeper between the virtual infrastructure and the administrators who have all the power. HyTrust monitors and verifies the integrity of the virtual infrastructure, verifies the identity of the administrator, validates the changes requested by those administrators if they adhere to established policy, and provides a complete, thorough system of record for all changes in the environment.

THE BENEFITS

The ability to control access to the virtual infrastructure significantly reduces the risk of compromise, which in turn means that organizations can virtualize things that were once considered off limits. More virtualization means a higher virtualization ROI.

The ability to assess the integrity of the hypervisor configuration or validate the trust of the hardware not only reduces the risk of compromise but also automates tedious maintenance activities and eliminates configuration drift.

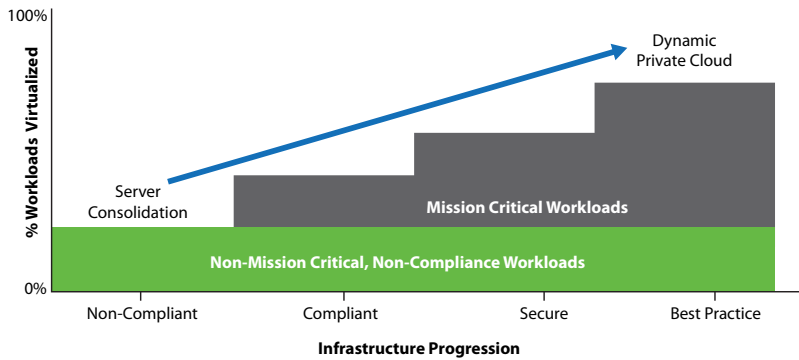
The ability to define and then automatically enforce security policies ensures that administrators don't make costly mistakes, like moving a virtual machine with sensitive data to an untrusted hypervisor or network.

Automating these controls and providing clear visibility in the form of audit-quality logs enables organization to confidently virtualize in the face of security demands and auditor scrutiny.



VIRTUALIZATION MATURES

As organizations virtualize more of their infrastructure, the nature of those workloads shifts to mission-critical and the scrutiny from internal security and external auditors begins to increase. HyTrust Appliance addresses these additional concerns and enables higher-level use cases, like the dynamic private cloud.



HOW IT WORKS

Despite its name, HyTrust Appliance is not physical hardware. It's a VMware vSphere-compatible virtual appliance that's deployed alongside the rest of your virtual infrastructure. It can even be installed on the same hypervisor that it is actively protecting.

HyTrust Appliance intercepts administrative requests in the management plane of the virtual infrastructure and, from this key vantage point, determines whether or not the request is in accordance with the organization's requirements then permits or denies the request as appropriate.

To determine the appropriateness of each request, HyTrust Appliance references the defined security policy (Is this workload permitted in the DMZ?), information about the user (Is the identity verified?), and information about the environment (Is the host hardened? Is the hardware trusted?) After the decision, it records the result for reporting and logging purposes.

Defining security policies that incorporate all of these inputs is straightforward using the unique HyTrust method of "tagging" or "labeling" objects in the infrastructure, (e.g. hosts, guests,

networks) then building rules that define the relationships among those objects. This method offers practically unlimited flexibility and control and eliminates reliance on physical world techniques, like air gaps.

Lock down your virtual infrastructure today and begin to push the envelope of the secure private cloud. To learn more about the unique capabilities of HyTrust Appliance, visit our website at hytrust.com/products.

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