



Uncompromised  
security for all  
virtual environments

**SECURITY** FOR VIRTUAL AND  
CLOUD ENVIRONMENTS



# Protection or performance?

The number of virtual machines exceeded that of the physical ones back in 2009. Today, over half of the workload on servers runs on virtual servers.

Regardless of the mainstream nature of virtualization, the security aspect has not been up to the challenge – in most cases, it is a gamble between protection level and performance.



Traditional anti-virus solutions take up a lot of resources from the hardware. This leads to higher costs and an unfavorable performance impact. Security solutions for vendor-specific virtualization platforms often optimize performance but expose the environment to more security risks. These solutions are also complex and difficult to manage, especially in mixed and hybrid environments where multiple virtualization platforms are used simultaneously.

Security management in a virtual or cloud environment places new challenges in front of the IT administrators and service providers. In addition to the traditional threats, they struggle with shared hardware capacity, which has a significant impact on server and desktop virtualization. The shared resource usage calls for optimization and a good user experience. The added weight in the security clients makes it necessary to invest on additional capacity. Especially for a service provider, cost efficiency and good service are critical for staying competitive.

# Combining security and performance

There is no need to compromise between security and performance any longer. F-Secure Security for Virtual and Cloud Environments (SVCE) is a solution specially designed to tackle the security challenges of mixed and hybrid virtual and cloud environments.



Security for Virtual and Cloud Environments offers the best protection level on the market for virtual environments. In fact, it offers exactly the same protection level as F-Secure award-winning standard products.

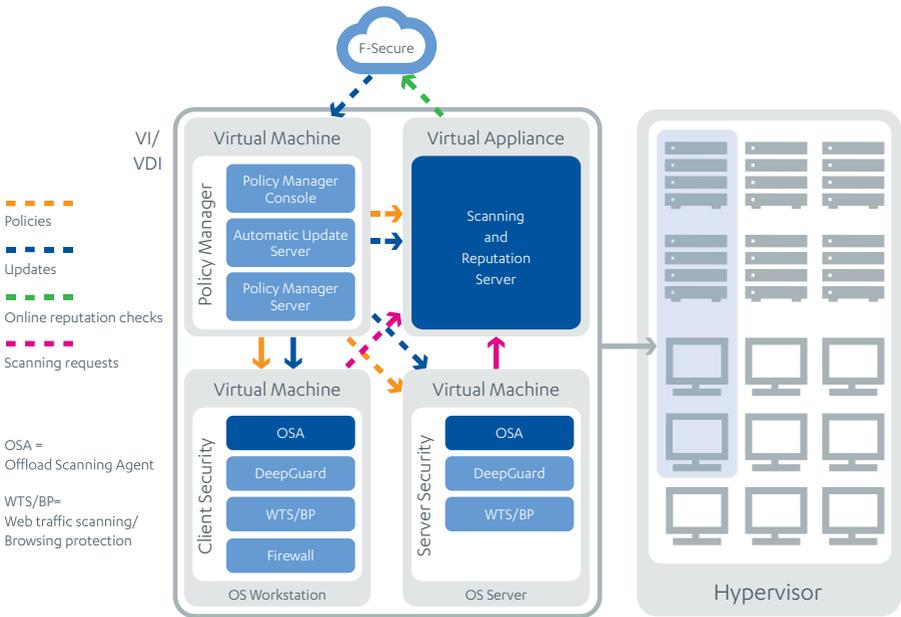
The SVCE performance is optimized to reduce hardware costs. The solution offers reduced resource usage for virtual environments. It contains a light security client with a small footprint on virtual machines.

SVCE supports all popular virtualization platforms, including mixed and hybrid environments hosted in public and private clouds.

# Reduced complexity

All parts of the solution can be managed with Policy Manager, a unified central management tool. Standard F-Secure clients with built-in functionality are used for all endpoints, regardless of whether they are physical or virtual. All that needs to be added is the Scanning and Reputation Server, which can be easily deployed as a virtual appliance.

Security for Virtual and Cloud Environments offers flexible licensing with a simple pricing model and an affordable total cost. F-Secure service providers have the possibility to offer a monthly invoicing model for the customers. Hardware cost-savings are reached by less RAM, CPU and disk space needed for the same amount of workload, or by the capacity to run more workloads with the same hardware.



# Benefits of virtualization

- Flexibility – possibility to add and remove services when needed
- Resource optimization – reduced hardware costs
- Operational efficiency – quick and automated deployment of new services

# Moving to the cloud

Companies are moving to the private and public clouds for several reasons:

- Switching capital expenses to operational expenses
- Possibility to enhance IT capabilities – more capacity for less money
- Unlimited by the resources on site – easy to scale up and down
- 24/7 support – high SLA

# Typical cloud services



Web hosting



Email and  
collaboration tools



Virtual servers



Virtual Desktops  
(VDI for BYOD)

# F-Secure Corporation

Innovation, reliability and speed of response have made F-Secure one of the world's leading IT security providers since its founding in 1988. Today, F-Secure's award-winning, easy-to-use products are trusted in millions of homes and businesses globally. We provide powerful real-time protection allowing computer and smartphone users to enjoy connected life.



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