



vThrii

Seamless Provisioning

Unified software management
solution for multi-platform world

IGEL Co., Ltd.

Windows, Linux, or Mac..., maintain collectively.

Unified software management solution for various platform

Today, rather than being restricted to a single OS, many users want the flexibility to change their environment to suits their needs on demand.

Meanwhile, with the need to support OS specific tools, and management methodologies, as well as the application of regular security updates, software maintenance is more complicated, and more time consuming than ever.

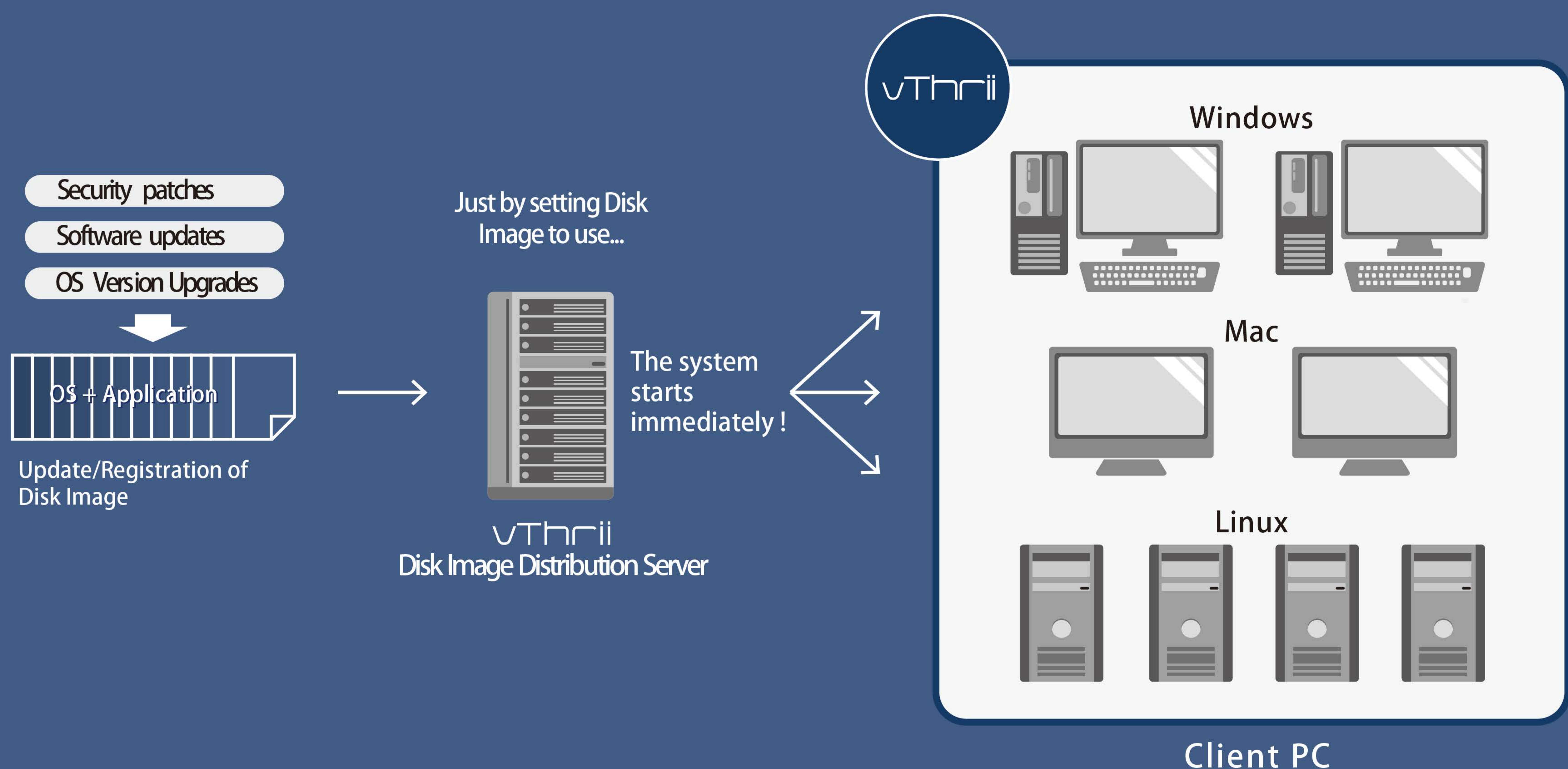
vThrii Seamless Provisioning dramatically reduces the burden of system administration by unifying system management across multiple types of operating systems.

vThrii
Seamless Provisioning

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– vThrii-P –

By using leading-edge virtualization technologies, vThrii dramatically reduces the heavy burden of system administration by aggregating PC disk images into the server, while maintaining consistent high performance.



I
Intelligent Hybrid Storage

II
Flexible Software/Hardware structure

III
Powerful functionality for varied use cases

Intelligent Hybrid Storage

Improved maintainability and high performance through storage virtualization.
Provide a hassle-free, quick starting environment for users.

01 OS Network Boot/On-demand download

When a Client PC with vThrii starts, the specified disk image is received from the server in order to boot the system. Boot time is reduced, by transferring only the bare minimum necessary start the system.
While the user is using the system, access performance is optimized by updating the disk image with the additional data required for operation on-demand.

02 Persistent Cache

Once data has been transferred from the server it is cached locally on the HDD/SSD to improve subsequent access speed.

03 Background Install

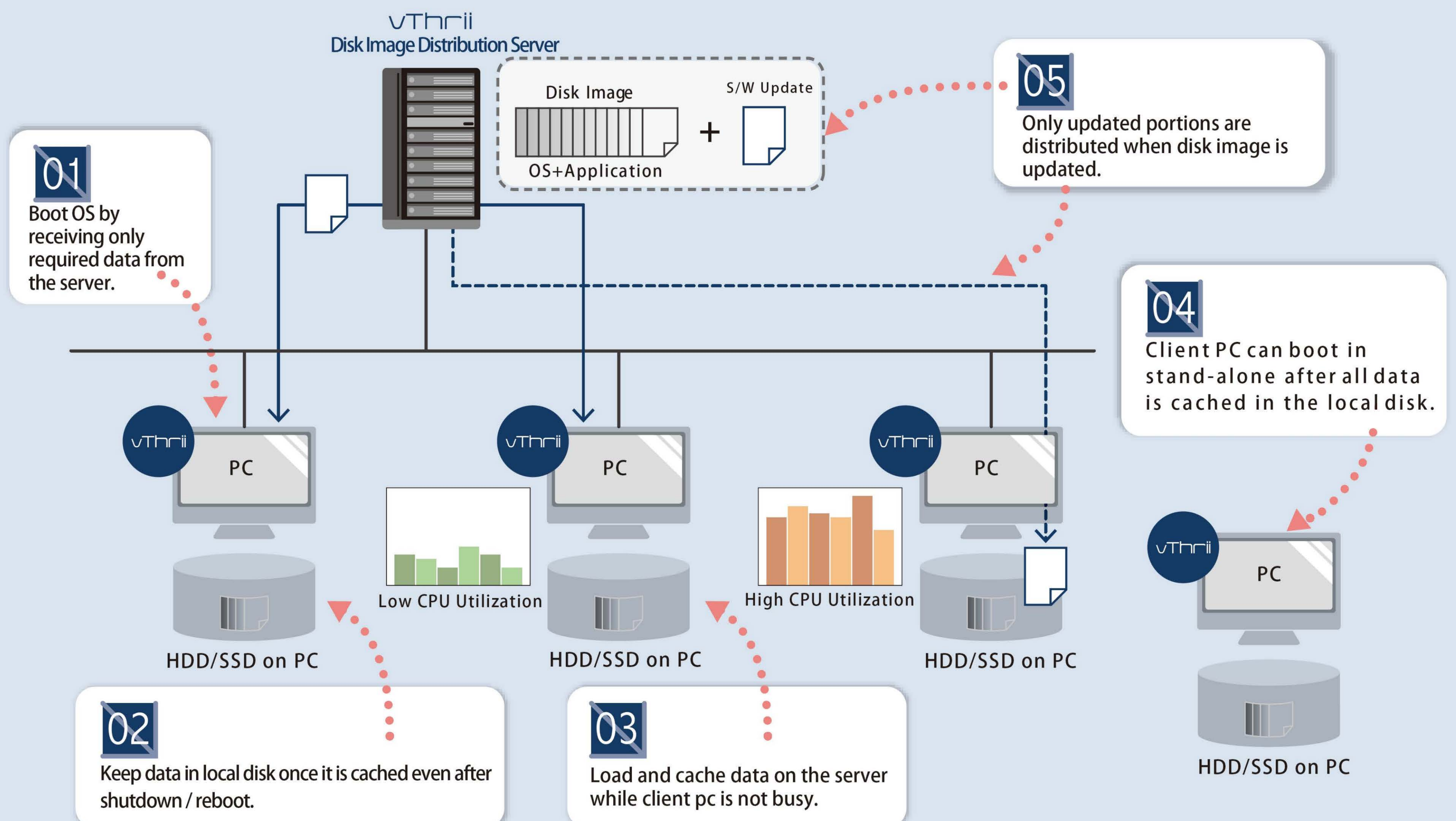
When the PC becomes momentarily idle, vThrii-P transfers additional data from the server in the background in order to optimize future disk access.

04 Stand-alone Boot

Once the whole disk image has been cached to local storage, the client PC can be set to operate in stand-alone mode, and can boot without connecting to the vThrii Disk Image Distribution Server.

05 Update Disk Image difference

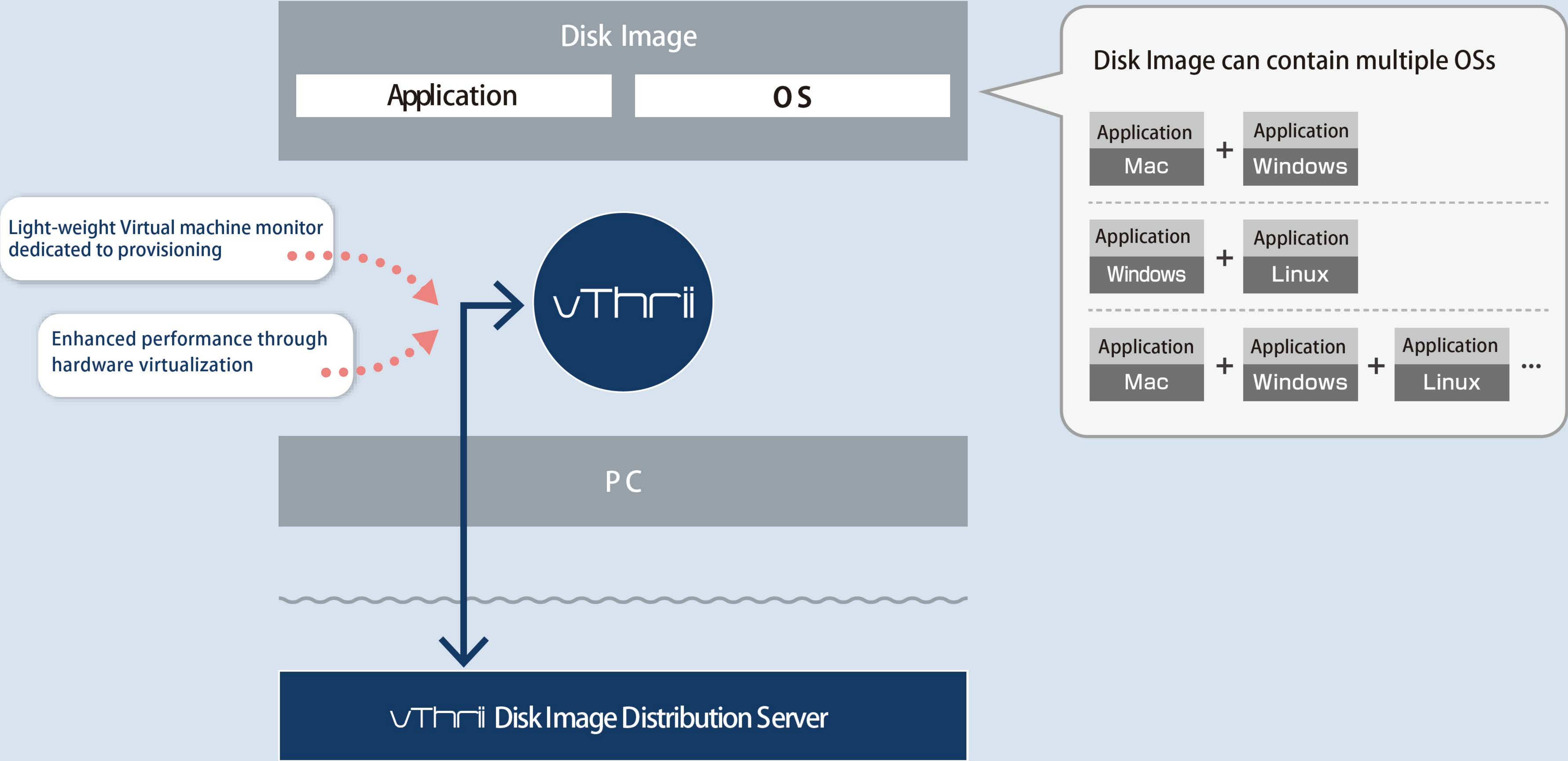
When small updates, such as security patches, need to be made to the master disk image, the server can send only the updated portions to the clients so they can be incorporated into the locally stored cached image.
This reduces the distribution overhead for disk image updates.



I

Flexible Software/Hardware structure

Since vThrii is a virtual machine monitor, it can flexibly support various combination of OSes. It is possible to provide unified software management functionalities for all OS environments including multi-OS environments, such as dual booting systems.



vThrii-P Pro & vThrii-P Light

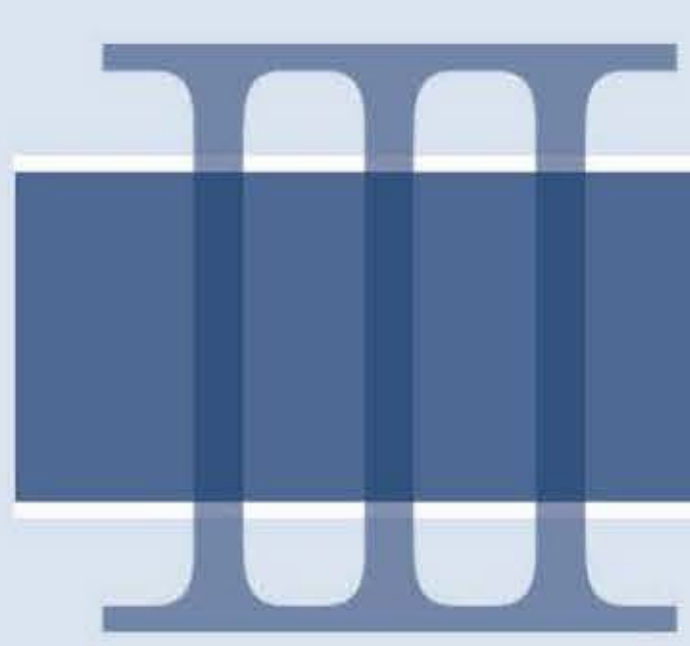
The "vThrii-P Pro" client supports Mac and Windows machines, while "vThrii-P Light" supports Windows. Both versions support the basic vThrii-P functionality, so the appropriate version can be selected based on the target environment. The Pro and Light version can also be used together in the same system.



Primarily targeted for Mac Client PCs. Thin virtual machine monitor specialized in provisioning. Minimizes virtualization overhead, to acheive higher performance.



Supports several versions of Windows PC and devices through versatile virtualization technology.



Powerful functionality for varied use cases

Disk Freeze (System Recovery)

VTThrii-P's Disk Freeze feature is indispensable for a managed PC environment. When Disk Freeze is activated, VTThrii-P will detect changes to the disk image and discard them when the system is rebooted. Protect the OS from unintended modification and reconfiguration without incurring heavy overhead penalties.



Set "unfrozen" area It is possible to set a specific area where changes and data can persist across reboots. For example, it is possible to revert the whole system, but keep updates to a virus definition file.

On-site image update

By sending an image update from the client to the server, a differential disk image can be created. Differential disk images can be distributed to other Client PCs for updating.

Diskless Boot (Only Light Edition)

Diskless Boot provide VTThrii-P services for Client PCs which don't have a local HDD/SSD. By using the network file server, the PC can operate as if it had a local HDD/SSD. No changes to the disk image distribution are necessary.

Nested Virtualization (Only Light Edition)

Virtual environments can also be nested. For example, running a Linux virtual machine inside the Windows environment provided by VTThrii-P.

Server redundancy and load balancing

VTThrii selects which server to connect to automatically, based on the server load to reduce congestion when multiple clients start simultaneously. If a server connection becomes unreliable, the client switches to a registered alternate server to continue operation.

VTThrii-P Runtime Requirements and Price

Hardware requirements of computers to be managed

VTThrii-P **Pro**

VTThrii-P **Light**

| Processor | | CPU with Intel VT-x/ AMD-V | |
|------------------------------------|---------|--|--|
| Firmware | | 64bit UEFI | |
| Chipset | | No restrictions | Chipset compatible with Intel VT-d/AMD-Vi |
| Memory | | 128MB + memory required to operate the OS | 1024MB + memory required to operate the OS |
| Storage Device | | SATA (AHCI)/NVMe compatible devices | Linux-compatible storage device |
| Network Device | | Intel PRO/1000 Ethernet / Broadcom NeXtream Gigabit Ethernet | Linux-compatible network device |
| EFI System Partition | | 10MiB | 50MiB |
| Support OS (64bit version only) | Mac | macOS 10.7 and later | Non supported |
| | Windows | Windows10 | Windows10 |
| | Linux | All distributions including Fedora, CentOS, Debian, Ubuntu, etc. | |

Requirements for VTThrii-P disk image distribution server

| Hardware | 1A server computer running Linux with at least one Ethernet port Storage space to store the disk images for the computers |
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|----------|--|

Price

| Sales Price | Open price |
|-------------|------------|
|-------------|------------|

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