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ImageGrid™ VM

INFO SHEET

ImageGrid VM is the full-fidelity virtualization of Candelis's signature ImageGrid system intended for enterprise-class healthcare providers.
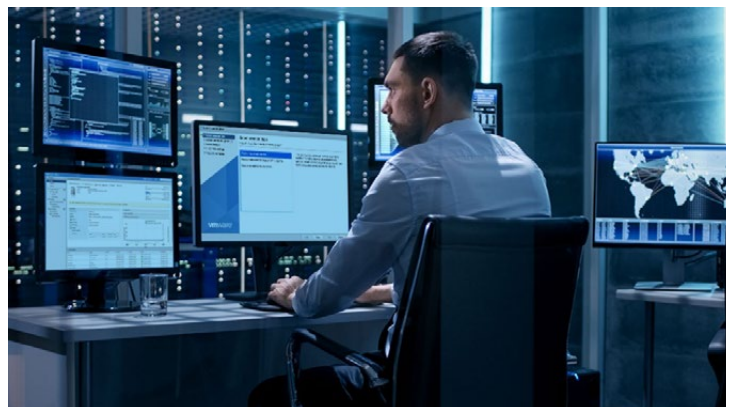
Overview of Features

- Ultra high-performance software

- Ready-to-deploy VMWare image

- Scalable local storage

- Rule-based tag morphing capabilities to address MRN consistency issues, automated Quality Control, and anonymization profiles

- Increases the speed of existing PACS systems

- Focal point for modifying study metadata and ensuring transfer syntax consistency

- Intelligent parsing and routing of studies, series, and individual instances

- Extensive notification infrastructure – text or email – to provide timely notification concerning workflow, hardware, and software issues

- Centrally manage image workflow and modalities from a single location

- Advanced routing from multiple sources to multiple destinations

- Enhanced prefetch of studies

- HL7 integration with existing RIS, EMR, and PACS

- Fast delivery of large studies across entire health systems

- Handles a massive number of concurrent requests

- Improves uptime of facilities

- Reduces hours needed to manage modalities and protocols

- Cost-effective, and efficient solution for sharing data with radiologists, surgeons, physicians, nurses, and technologists

- Optional ASTRA™ cloud backup for compliance with HIPAA

Instant Deployment

ImageGrid VM uses the latest advancements in server virtualization technology to enable large healthcare organizations to deploy a full-featured PACS server within their existing virtualization infrastructure without having to invest in servers and hardware.

Deployment images are downloadable from Candelis' client portal for quick implementation of the virtual server in production environments.
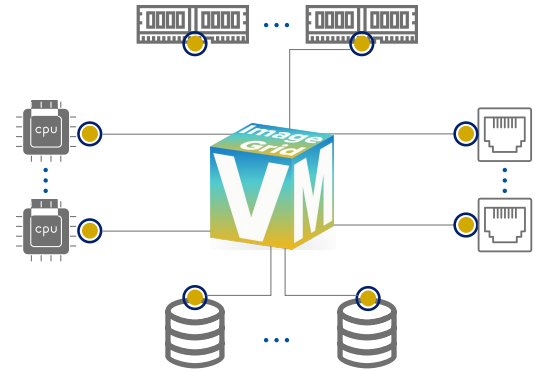
Candelis ImageGrid™ VM Info Sheet

Immediate Scalability

ImageGrid VM is designed to utilize an expandable set of resources provided by the virtualization infrastructure. PACS administrators can scale resources up or down as required by the dynamic environment of their operation.

ImageGrid VM can be easily licensed with more virtual CPU cores to increase the overall performance, more raw storage devices to expand image storage capacity, and new virtual network adaptors to distribute network traffic more effectively.
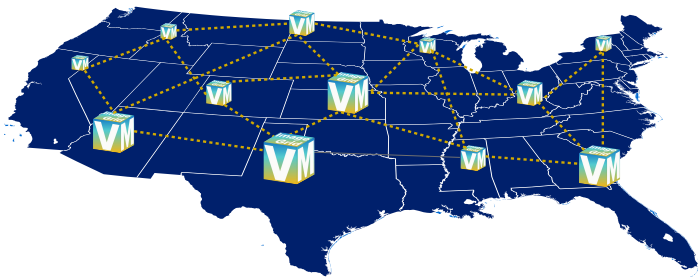

Unlimited Redundancy

ImageGrid VM has the flexibility to be configured as a primary PACS server, a backup PACS server, or as a DICOM routing and prefetching server.

ImageGrid VM can be used as a primary PACS for storage, back-up, and diagnostic review of all study images captured by acquiring modalities.

The ImageGrid VM servers deployed in different facilities within the healthcare organization, work in tandem to facilitate transferring of captured medical images from modalities in each facility to the primary PACS server.

PACS administrators can utilize post-processing, tag morphing, rule-based routing, and pre-fetching among many other workflow automations to build customized distributed solutions for image capture, diagnostic reading, and reporting as required by their organization.

ImageGrid VM DICOM Router

- 8 CPU Cores
- 32 GB or 64 GB (preferred) of RAM
- 1 GbE
- 2 TB Storage
- Installed on VMWare ESXI 6.5, 6.7, or 7.0

ImageGrid VM PACS

- 16 CPU Cores or 32 CPU Cores (preferred)
- 64 GB RAM
- 1 GbE
- 2 TB Storage
- Installed on VMWare ESXI 6.5, 6.7, or 7.0

ImageGrid Plus VM DICOM Router

- 32 CPU Cores
- 265 GB RAM
- 10 GbE
- 2 TB Storage
- Installed on VMWare ESXI 6.5, 6.7, or 7.0

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