

# EMC VIDEO TRANSPORT

## Delivering Solutions from Distributed to Centralized



### EMC Video Transport

#### CORE COMPONENTS:

**Manager:** Manager software performs all administration, control and reporting of system activity as well as orchestrating the execution of jobs. Users interact with the Manager through a Web-based interface for administration, system configuration, establishing jobs and automating tasks, managing current system activity and reporting.

**Agents:** Installed on remote servers, Agent software executes file movement, notifications and interoperability with third-party software and systems. File movement occurs from Agent to Agent, and can be deployed as a single node or load-balanced cluster.

Surveillance architectures are gravitating toward more of a distributed model. Factors such as nearly-ubiquitous availability of IP networks, industry standard components and communications, and the desire for higher resolution images moves more functionality and processing closer to distributed camera locations. Distributed locations store video locally, and then periodically transfer the digital data set to a central storage platform.

In addition, distributed systems integrate the information with applications and other systems, such as access control and intrusion detection, without engaging a central server. The resulting architecture reduces single points of failure and distributes processing requirements over many, small smaller sites.

EMC's solutions cover the needs of the entire video surveillance infrastructure, from distributed components to a large, scalable central storage repository. EMC VNX-VSS is best suited as a distributed storage platform, while EMC Isilon provides a highly scalable centralized platform. To address the need for highly secure, reliable, scalable file acceleration, customers depend on EMC Video Transport.

### CENTRAL MANAGEMENT

- Web-based administration interface with single-view for system configuration, task automation, managing current system activity and customized reporting
- Customizable email notifications of job completions
- Automated or manual bandwidth limits for running jobs
- Customizable and scheduled reports, jobs and system activity
- Manager peering to view jobs running on other systems
- Programmable Web Services/SOAP API for initiating jobs from higher order media applications
- Multi-level user access: Organization administrator, system administrator, component editor, standard user and guest user
- User groups: Users with identical privileges or logical groupings (organization, location, etc.)

### CONTENT SECURITY

- Internal or integrated directory services (LDAP & AD) for authentication and authorization
- Encrypted browser sessions and file transfers – up to 256-bit AES encryption
- Built-in certificate authority used to manage Public Key Infrastructure (PKI) and establish secure communication between Managers and Agents
- Certified delivery provides digitally signed transfer for non-repudiation and proof of the integrity and origin of the data

## SUPPORTED WEB BROWSERS

### SIGNIANT MANAGER

#### Windows 7, 8, 8.1, 10

- Internet Explorer 10, 11
- Mozilla Firefox 30 - 43
- Google Chrome 30 - 47
- Microsoft Edge 12, 13

#### Macintosh OS X 10.9, 10.10, 10.11

- Apple Safari 7, 8, 9
- Mozilla Firefox 30 - 43

## ACCELERATED FILE TRANSPORT

- Patented Acceleration Protocol: Delivers fast, reliable and secure movement of files over IP networks
- High Speed, Bandwidth-Efficient File Transfer: Up to 200X faster than FTP and TCP with 95+% network efficiency
- Firewall Friendly: UDP and TCP transport options
- Automatic Retry: Checkpointing and resume of partial or failed transfers
- Bandwidth Management Settings: Adjustable WAN accelerator aggressiveness, bandwidth ceiling and floor ranges based on time of day

**Table 1. EMC VIDEO TRANSPORT SYSTEM REQUIREMENTS**

	MANAGER & WEB SERVER	AGENT
<b>HARDWARE</b>	<p><b>CPU:</b> Xeon dual-core processor, 2 GHz or higher</p> <p><b>Memory:</b> 8 GB minimum, 16 GB recommended</p> <p><b>Shared Memory Segment:</b> On Linux, ensure the shared memory segment is set to a minimum of 1024 MB</p> <p><b>Disk Space:</b> 10 GB minimum (100 GB recommended). Additionally, 1 GB free for /tmp folder on UNIX/Linux, or for C: on Windows</p> <p><b>Network Connection:</b> 100 Mbps or faster</p>	<p><b>CPU:</b> Xeon dual-core processor, 2 GHz or higher</p> <p><b>Memory:</b> 4 GB minimum</p> <p><b>Disk Space:</b> 2 GB (preferably 4 GB)</p> <p><b>Network Connection:</b> 100 Mbps or faster</p>
<b>OPERATING SYSTEM</b>	<p>CentOS 6.0+</p> <p>LinuxRedHat6.0+</p> <p>Windows 2008 R2 Server</p> <p>Windows 2012 Server R2</p> <p>Windows 10</p> <p>CentOS 7.0+</p> <p>Linux RedHat7.0+</p>	<p>Linux RedHat/CentOS 6.0+ (64-bit)</p> <p>Linux RedHat/CentOS 7.0+ (64-bit)</p> <p>MacintoshOSX10.7,10.8,10.9,10.10, 10.11 (64-bit)</p> <p>Solaris 10 x86 (64-bit)</p> <p>Windows Server 2008 R2 (64-bit)</p> <p>Windows7,8,8.1,10</p> <p>Windows 2012 Server R2 (64-bit)</p>
<b>VMWARE SUPPORTED</b>	All Manager operation systems	All Agent operation systems, except: Macintosh

## CONTACT US

To learn more about the EMC Surveillance Solutions, call your EMC sales representative, or visit our website for more information: [www.emc.com/videosurveillance](http://www.emc.com/videosurveillance).

EMC<sup>2</sup>, EMC, and the EMC logo are registered trademarks or trademarks of EMC Corporation in the United States and other countries. VMware is a registered trademark or trademark of VMware, Inc., in the United States and other jurisdictions. © Copyright 2015 EMC Corporation. All rights reserved. Published in the USA. 02/16 Specification Sheet H15160

EMC believes the information in this document is accurate as of its publication date. The information is subject to change without notice.

