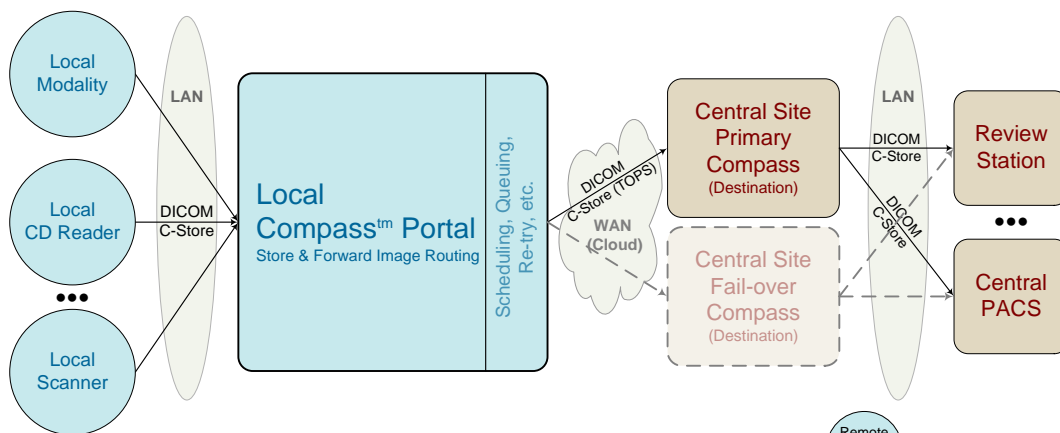


## Reliable Image Transport to a Central Site

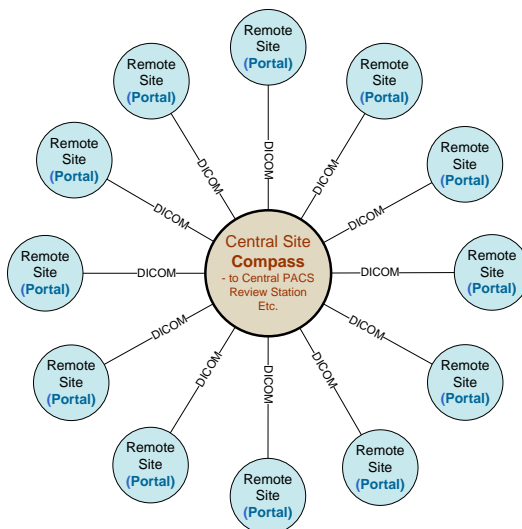
- Simple, pre-configured Windows™ service for easy deployment
- Reliably receive, route, & deliver medical images and optionally HL7 messages
- Supports unlimited sources in a promiscuous mode – no AE-Titles to configure
- Pre-set & pre-configured primary and failover destinations
- Rapidly off-load studies from local modalities
- Automated retry for any failed data transfers
- Automated resumption of an interrupted DICOM transfer, no need to start over
- Automated failover should primary destination become unavailable
- Automated Heartbeat Sensing to detect restored destination services
- Centrally manage all tag-morphing, filtering, & routing on the central Compass
- **Secure, encrypted communication using TLS/SSL for HIPAA compliance**
- Access & view the local Portal job table via a password-protected web page
- Access & view all received jobs at the central Compass console or web-page

## Efficiently manage delivery & ingestion of medical images



## Typical Usage Scenarios:

- **Spoke and Hub configuration**  
Ease delivery & control of incoming imaging studies from remote sites.
- **Central Checkpoint**  
Identify studies by their source site  
Normalize data fields  
Assign consistent values  
Distribute studies to review stations.  
Control which studies enter your PACS.



## Compass Function Matrix:

		Portal	Standard
<b>Dynamic Priority Routing</b>	<ul style="list-style-type: none"> <li>Set image routing priorities</li> <li>Configure your workflow sequences and schedules for each destination</li> </ul>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Job Table</b>	<ul style="list-style-type: none"> <li>Manage the flow of studies through Compass</li> <li>Customizable view of patient/study demographic data</li> <li>Convenient tracking of jobs sent; enables easy resends &amp; image previews</li> </ul>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Web-Access</b>	Web-accessible view of the jobs table user interface data, with limited end-user control	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Destination Status</b>	Simple, succinct view of all destination states	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Failover Destination</b>	Automate sending studies to a secondary destination if the primary destination becomes unavailable or stops responding for some reason	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Destination Heart-Beat Sensing</b>	Monitor and detect availability of destination(s); automatically route images queued for such destination(s) when they connect or re-connect	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Configurable</b>	Flexible DIMSE message handling and logging options	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Stable Study Time</b>	Permits data received from a single source over multiple associations to be aggregated and transmitted over a single outbound DICOM association	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Filtering</b>	Per-source or destination, image-level, content-based tag filtering/morphing & scripting	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Custom Filtering</b>	Custom execute scripts to support special filtering & scripting needs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Hold Queue</b>	Supports manual review, routing, or deleting of selected images	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Compression</b>	Supports JPEG & other compression transfer syntaxes for pass-through and optional conversion in transit	<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/>
<b>AE Title Pass-Through</b>	"Pass-through" DICOM AE Titles from the source to the routed destination	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Email Notifications</b>	Receive personal notices of job failures, low-disk space, or other events	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Logging &amp; Reporting</b>	On a per-source and per-destination basis, log all incoming associations and their state	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>TOPS Throughput Optimization Protocol Service</b>	Increase throughput on slower or unreliable links with TOPS <ul style="list-style-type: none"> <li>Optional TLS/SSL encrypted connection negates need for a VPN for HIPAA compliance</li> <li>Allows interrupted jobs to pick up where they left off, instead of requiring resending the entire study again.</li> </ul>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Windows Service</b>	Automatically starts the application on system boot or reboot	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>High Availability</b>	May be configured to run in a Windows Failover Cluster or virtual machine environment	<input checked="" type="checkbox"/> *	<input checked="" type="checkbox"/>

\* Option may require manual configuration

### System Requirements: (variable – data volume sensitive)

- Windows 7 or Server 2008 R2 (May run on a virtual machine)
- Adequate hardware; typical:  
Intel i5 processor or better  
4 GB RAM (min.), 500 GB disk (min.)  
1 or 2 network interfaces
- Microsoft SQL Server 2008 R2 SP2 (or Express version)

### High-Availability Configuration:

Standard Windows Failover Cluster - Minimal configuration:

- Windows Server 2008 R2 SP2
- Microsoft SQL Server 2008 R2 SP2
- Matching computer systems
- Dedicated, reliable, fault-tolerant, shared storage system