

## Detailed Comparison of MailShadow Solutions:

The MailShadow family includes on-site and SaaS (Software-as-a-Service) solutions which provide real-time email synchronization and protection to enable continuous replication, instant recovery and seamless migration between Microsoft Exchange, Google Apps/Gmail, hosted Exchange, and other IMAP/POP3 services such as Hotmail, Yahoo! Mail, and AOL Mail. Because MailShadow eliminates email downtime, the business community can operate 24x7, meet stringent service level requirements, and achieve the highest level of customer satisfaction. Companies of all sizes can also benefit from dramatic cost savings, greatly simplified IT operations and streamlined processes.

Cemaphore Systems offers MailShadow and MailShadow OnSite for companies to deploy, manage and maintain internally. For those companies that prefer a hosted solution from a trusted vendor, MailShadow OnLine is available as a service with all the benefits of MailShadow technology without buying or maintaining internal server infrastructure.

See below for comparison of different MailShadow product offerings.

	<b>MailShadow OnLine Service</b>	<b>MailShadow Server Edition</b>	<b>MailShadow Desktop Edition</b>	<b>MailShadow OnSite</b>
Target Customers	SMBs and large enterprises looking to lower their infrastructure costs enabling email cloud migration and/or continuity	SMBs and large enterprises that want a centralized email server managed by IT enabling email cloud migration and/or continuity	<p>Individuals who want email cloud migration and/or continuity</p> <p>Any organization considering a cloud pilot to try MailShadow before implementing the Server Edition or using the OnLine Service.</p> <p>Customers who simply want to use Outlook to access email, calendar, and contacts from Google Apps</p>	<p>Organizations using Microsoft Exchange that want to create an in-house Exchange recovery environment</p> <p>Or seamlessly migrate onsite users to Exchange 2007</p>

Usage Model	Replicating data from onsite to cloud or cloud to cloud  Or from onsite to onsite when replicating between different domains	Replicating data from onsite to cloud or cloud to cloud  Or from onsite to onsite when replicating between different domains	Replicating data from onsite to cloud or cloud to cloud  Or using Outlook as a front end to email, calendar, and contacts from Google Apps	Replicating data from onsite to onsite for on-premises Exchange environments within the same domain, especially when fast RTO/RPO objectives are required
Email Systems Synchronized	Any Pair of Mailboxes from the list below: <ul style="list-style-type: none"> <li>• Microsoft® Online Services E-Mail and Calendaring Account</li> <li>• Hosted Exchange account</li> <li>• Google Apps or Gmail account</li> <li>• Microsoft Exchange 2000, 2003 or 2007 email account</li> </ul>	Any Pair of Mailboxes from the list below: <ul style="list-style-type: none"> <li>• Microsoft® Online Services E-Mail and Calendaring Account</li> <li>• Hosted Exchange account</li> <li>• Google Apps or Gmail account</li> <li>• Microsoft Exchange 2000, 2003 or 2007 email account</li> </ul>	Any Pair of Mailboxes from the list below: <ul style="list-style-type: none"> <li>• Microsoft® Online Services E-Mail and Calendaring Account</li> <li>• Hosted Exchange account</li> <li>• Google Apps or Gmail account</li> <li>• POP3 and IMAP access to any other email service (such as AOL, Yahoo! Mail, or Hotmail)</li> <li>• Microsoft Exchange 2000, 2003 or 2007 email account</li> </ul>	Primary Exchange environment with a secondary Exchange environment: <ul style="list-style-type: none"> <li>• Microsoft Exchange 2000, 2003 or 2007 email account</li> </ul>
Bi-directional continuous sync	Yes	Yes	Yes	Yes
Cross-forest and cross-cloud sync	Yes	Yes	Yes	No
Use Outlook and sync email/calendar/contacts with Google Apps	Yes (Exchange Required)	Yes (Exchange Required)	Yes (No Exchange Required)	No
Install	No on-premises installation	Per server	Per workstation/laptop or virtual instance	Per site with central administration UI

Supported Software	Not Applicable.	<ul style="list-style-type: none"> <li>• Microsoft Windows Server 2003</li> <li>• Outlook 2003 and 2007 (Outlook 2007 required for Exchange to Exchange Online or Hosted Exchange)</li> <li>• Microsoft Windows XP or Vista (32-bit)</li> <li>• VMware™ GSX and ESX</li> <li>• Microsoft Virtual Server</li> <li>• BlackBerry Enterprise Server</li> <li>• GoodLink Server</li> </ul>	<ul style="list-style-type: none"> <li>• Microsoft Windows XP, Vista (32-bit), or Windows 7 (natively or on a virtual machine)</li> <li>• Microsoft Windows Server 2003 or Windows Server 2008</li> <li>• Microsoft Exchange 2003 and 2007</li> <li>• Outlook 2003 and 2007</li> </ul>	<ul style="list-style-type: none"> <li>• Microsoft Exchange 2003 and 2007</li> <li>• Microsoft Windows Server 2003</li> <li>• Outlook 2003 and 2007</li> <li>• Microsoft Windows XP or Vista (32-bit)</li> <li>• VMware™ GSX and ESX</li> <li>• Microsoft Virtual Server</li> <li>• BlackBerry Enterprise Server</li> <li>• GoodLink Server</li> <li>• Microsoft Operations Manager (MOM) 2005</li> <li>• System Center Operations Manager (SCOM) 2007</li> </ul>
Hardware Requirements	None	<ul style="list-style-type: none"> <li>• Microsoft Server meeting minimum requirements to run Microsoft Windows Server 2003</li> <li>• 2GB RAM</li> <li>• Dual Core CPU or better</li> <li>• 20GB drive minimum</li> </ul>	<ul style="list-style-type: none"> <li>• Whatever is normally required to run base OS desired (desktop or server)</li> <li>• 20 GB drive minimum but potentially more depending on size of mailbox if local caching chosen</li> </ul>	<ul style="list-style-type: none"> <li>• 2GB RAM</li> <li>• Dual Core CPU or better</li> <li>• Dual 160GB mirrored SATA drives</li> </ul>