SECUREMAIL GATEWAY SERVER REQUIREMENTS

The SecureMail Gateway (SMGW) runs as a Windows service. It is compatible both with physical and virtual servers.

Redundant SMGW instances may be used with load-balancers that are capable of round-robin distribution of ports 25 and, if configured, 587.

Software Requirements

The Gateway has a minimum set of requirements in place so that it can be installed and run effectively. These requirements are as follows:

- Operating System: Windows Server 2012 R2 or Windows Server 2016.
- Database (for reporting purposes): SQL Server 2012, SQL Server 2014, or SQL Server 2016. The SecureMail Gateway may be configured to use a shared SQL Server cluster.

Hardware Requirements (or virtual server equivalents)

Hardware requirements vary depending on the total number of users routing mail through the system and the characteristics of their average email traffic. In environments where large attachments are common, increase the size of the recommended disk and memory space.

In environments that attach large numbers of text documents (including Word, PDF, etc.), or many larger than average text documents, increase all hardware requirement categories.

The following recommendations were extracted from other documents and adjusted to represent current DataMotion implementation team recommendations. These recommendations do not include redundancy for high availability and disaster recovery. If those capabilities are required, additional server instances may be needed.

Total Users (Licensed & Unlicensed)	CPU	Memory	Disk
50	Dual Core	4 GB	90 GB
250	Dual Core	4 GB	90 GB
500	Dual Core	4 GB	90 GB
1,000	Dual Core	4 GB	100 GB
2,500	Quad Core	16 GB	100 GB
5,000	Quad Core	16 GB	200 GB
10,000	Dual Quad Core	16 GB	200 GB

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SECUREMAIL GATEWAY PRE-INSTALLATION CHECKLIST

The following items must be installed and/or configured before the DataMotion SecureMail Gateway server can be integrated into your environment. Please print this document and check items off as you complete them. Once you have completed all the items, sign, date, and email this document to your account manager to schedule an installation. Please contact your account manager regarding any questions related to this document.

- Please provide the name and contact information for your system administrator, or tech consultant.

  Name: _____

  Phone: _____

  Email: _____

- What desktop email clients are used: _____

☐ A Windows server has been configured for SecureMail Gateway installation that meets the requirements described *on page 1*.

  - Reporting (Optional): The reporting features of the SecureMail Gateway are optional and require access to a Microsoft SQL Server database. Please check one of the following options:

    ☐ SecureMail Gateway reports are not needed. A database server will not be configured.

    ☐ SQL Server has been installed on the SecureMail Gateway server.

    ☐ An existing or newly installed SQL Server installation will be used. Please prepare to provide SQL Server system administrator account credentials when requested during the preparatory phone call with the DataMotion installer. The credentials will be used to create the SecureMail Gateway rules database.

☐ Verify ODBC connectivity from the SecureMail Gateway server to the Microsoft SQL Server database, whether a local installation of SQL Server, or a remote SQL Server database.

☐ Install the Windows telnet client via the Windows Server Manager console. The telnet client is a Windows feature that is not installed by the default operating system installation process.

☐ If an outbound email gateway currently exists, the SecureMail Gateway server will relay unsecured email to that existing gateway. Please configure the current outbound email gateway to provide incoming email access to the SecureMail gateway.

☐ Verify bidirectional TCP port 25 (SMTP) connectivity on the SecureMail Gateway server with the SecureMail Gateway Port 25 Test Utility as described in the related AppNote. Both the utility and the AppNote will be provided in this, or another, email.

☐ Note below the public static IP address that the SecureMail Gateway server will be publicly

identified by Network Address Translation (NAT). This IP address is used to configure DataMotion Access Control List and email domain relay tables.

SecureMail Gateway IP Address:_____ _____ _____ _____

☐ Any SecureMail Gateway server and network firewalls must open TCP port 25 for bidirectional communication between the DataMotion SecureMail Software as a Service (SaaS) and the SecureMail Gateway. The SecureMail SaaS communicates from public IP addresses 64.247.25.138, 209.123.49.114, and 209.123.49.120. Required port 25 access from the internet may be limited to only those IP addresses.

☐ Use ***Appendix A – Inbound Server IP Addresses*** to provide a list of private IP addresses to those servers that will be accessing and/or relaying emails to the to the SecureMail Gateway server.

☐ Note below the internal DNS name for the SecureMail Gateway server that will be used in generating an SSL certificate. The certificate will be installed on the SecureMail Gateway server for Outlook TLS secure email delivery. This is an optional method for email delivery that many prefer over the SecureMail web portal. A public certificate can be used for business-to-business TLS partner connections.

SecureMail Gateway internal DNS name: _____

☐ If you are subscribing to SecureMail for some, but not all, of your outgoing email accounts, please prepare a list of those subscriber email addresses as a text file. This list will be used during initial policy configuration.

- » If you will require different policies for different user groups, please include the groups and their email address assignments in the text file.
- » How do you want to handle email from non-subscribers that trigger an automated Policy? Common methods include either blocking the message or sending the message as-is, with a notification message sent back to the sender.

_____

_____

_____

_____

☐ List the email addresses of the SecureMail Gateway maintenance personnel to be added to the gateway's Monitoring Tool notification in the ***Appendix B – Maintenance Email Addresses*** section.

Signed: _____

67 Park Place, East Suite 301 Morristown, NJ 07960 Tel: 973.455.1245 www.datamotion.com

Name: _____

Dated: _____

67 Park Place, East Suite 301 Morristown, NJ 07960 Tel: 973.455.1245 www.datamotion.com

APPENDIX A – INBOUND SERVER IP ADDRESSES

IP Address:_____._____._____._____	IP Address:_____._____._____._____
IP Address:_____._____._____._____	IP Address:_____._____._____._____
IP Address:_____._____._____._____	IP Address:_____._____._____._____
IP Address:_____._____._____._____	IP Address:_____._____._____._____
IP Address:_____._____._____._____	IP Address:_____._____._____._____
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IP Address:_____._____._____._____	IP Address:_____._____._____._____
IP Address:_____._____._____._____	IP Address:_____._____._____._____
IP Address:_____._____._____._____	IP Address:_____._____._____._____
IP Address:_____._____._____._____	IP Address:_____._____._____._____
IP Address:_____._____._____._____	IP Address:_____._____._____._____

APPENDIX B – MAINTENANCE EMAIL ADDRESSES

Email address: _____

Email address: _____

Email address: _____

Email address: _____

Email address: _____

Email address: _____

Email address: _____

Email address: _____

Email address: _____

Email address: _____

Email address: _____

Email address: _____

Email address: _____

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