Delphi 9.5.2 Terminal Server
System Requirements

Version 1.4

Newmarket International, Inc.

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Based on Active Concurrent Users

Users	Category	Server Requirements
Up to 20	Processor:	2.0Ghz
	Memory:	4GB
	Disk Subsystem:	Two 36GB hard drives (RAID 1)
		RAID Controller
	Operating System:	Windows 2003 or Windows 2008 Server Standard with Terminal Services[1]
Up to 40	Processor:	Dual 3.0Ghz
	Memory:	8GB
	Disk Subsystem:	Two 36GB hard drives (RAID 1)
		RAID Controller
	Operating System:	Windows 2003 or Windows 2008 Server Enterprise with Terminal Services[2]
41+	Multiple Load Balanced Terminal Servers Required	
Category		**Additional Terminal Server Requirements**
	Network Protocol:	TCP/IP
	NIC Speed:	1000Mb
	Citrix:	Citrix Presentation Server XP, 3.0, 4.0, or 4.5
	Internet Explorer:	6.0 SP1, 7.0
	Microsoft Office:	XP, 2003, 2007, or 2010 (32-bit only)[5]. Office must be updated to the latest service packs and hot fixes on each client. All Delphi clients require the same Office version. Office must be installed locally on the client (workstation or Terminal Server).
	Miscellaneous:	Antivirus, UPS recommended
	Remote Access:	Please click here to view the Newmarket Remote Access Statement.
	Regional Settings/Foreign OS:	Please see the Newmarket Compatibility Grid.
	Terminal Services:	Application Mode, licensing required

Optional Delphi Components

Category	DelphiSync Requirements
E-mail Client:	Outlook 2002 (XP), 2003, 2007, or 2010[3]
Network Access:	HTTP (port 80) access between the Outlook client and Web service
Network Bandwidth:	1.5 to 3.2Kbps during normal usage, 12 to 29Kbps during peak times
Server Components:	Microsoft IIS (Internet Information Services)

Category	Windows Authentication
Delphi:	Must be running version 9.4 or later before the implementation can begin.
Windows Domain Support:	All Delphi clients and servers must be in a single domain.
Category	Crystal Reports
Crystal Reports 8.5:	Not supported on Windows Server 2008. Please see vendor for additional system requirements.
Crystal Reports XI:	Please see vendor for additional system requirements.

Remote Terminal Server Workstation Requirements

Category	Remote Workstation Requirements
Hardware Requirements:	Please see Microsoft RDP[4] or Citrix ICA client requirements.
Network Protocol:	TCP/IP
Default Network Ports:	ICA (port 1494), RDP (port 3389)
Network Bandwidth/Latency:	42Kbps or better per active user session and <200 ms latency between client and Terminal Server
Video Resolution:	1024 x 768 required for all features
Remote Access:	Please click here to view Newmarket International's Remote Access Statement.

Notes to Customers on System Requirements

- System requirements are minimum guidelines. Actual requirements will vary based on your system configuration, installed applications, and usage.
- If system requirements are not met, the customer assumes responsibility of performance and compatibility issues as a result thereof.
- As the customer grows their business and data over time, it is possible that system upgrades will need to occur (for example, memory and disk subsystem).
- The customer assumes responsibility for the on-going maintenance, virus protection, data backup, and security of their system.
- Newmarket International provides limited support for virtual environments; however, support is not provided for performance-related issues within virtual environments. VMware by EMC or Microsoft Virtual Machine are the only virtual environment software products that fall under Newmarket's limited support. All other products are not supported. Newmarket will make reasonable efforts to resolve Newmarket application issues that are reported. To isolate the source of a problem, Newmarket may require actions that could significantly impact the stability of the environment, such as disabling or removing non-Newmarket programs, or requesting that certain issues be tested in an environment that is not using virtual machines. Newmarket will not make any program or database changes to ensure product functionality works as designed in virtual environments.

Endnotes

[1] Crystal Reports is not supported on Windows Server 2008

[2] Crystal Reports is not supported on Windows Server 2008

[3] Outlook Web Access (OWA) and Outlook Express are not supported. 64-bit Outlook 2010 is not supported.

[4] Microsoft RDP is an option for connecting a small number of remote users. Contact your sales representative for details and operational limitations.

[5] 64-bit Office is not supported. For DelphiSync with Office 2010, Delphi 9.5.2 must be running AP 21 or later