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System Requirements

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I-Server 2.0 AP46 System Requirements

Please refer to the I-Server 2.0 Technical Overview document for deployment options and configurations.

Maximum Number of Properties or Guestrooms per Server	Category	Server Hardware Requirements
1-10 Properties or 2,500 guestrooms		No additional hardware needed. I-Server Web Server can be loaded on the Delphi server. See Delphi System requirements for additional information.
11-30 properties or up to 7,500 guestrooms	Processor	Dual P-IV 2GHz
	Memory	4 GB
	Disk Subsystem	(2) 36GB SCSI disks for Operating System, NT Paging File, MS SQL Server, I-Server Web Server Applications (RAID1) (5) 36GB SCSI disks for Data and Index file groups and Database Backups, SQL Server Temp DB and Message Queuing Storage' (RAID5) [This array is only required if the I-Server database resides on this server] RAID Controller
31+ properties or 7,500+ guestrooms		Custom specification provided. Contact an Amadeus sales representative

Additional Server Requirements

Category	Additional Server Requirements
Operating System	Windows Server® 2008 R2 Standard /Enterprise SP1 / SP2 Windows Server 2012 Standard /Enterprise Windows Server 2012 R2 Standard /Enterprise
Network Protocol	TCP/IP
NIC Speed	100 Mb (1000 Mb recommended)
SQL Server®	SQL Server 2008 R2 Standard /Enterprise SP2 SQL Server 2012 Standard /Enterprise SP3 SQL Server 2014 Standard /Enterprise SP2 SQL Server 2016 Standard /Enterprise SP1
Server Components	IIS
Browser	Internet Explorer® 11.0 Note : 1) Microsoft Edge™ Browser is not supported 2) Internet Explorer 8.0 and 9.0 browser is not supported by Microsoft®
Miscellaneous	Microsoft .NET 4.6 MSXML4 SP3 MSMQ WSE 3.0 Microsoft SOAP Toolkit 3.0 Antivirus Backup system UPS recommended
Remote Access	Refer to the Remote Access Statement below

Regional Settings/Foreign OS US English only

Remote Desktop Services Not supported on application and database servers

Workstation Requirements

Category	Workstation Minimum Requirements
Processor	2.0 GHz
Memory	2 GB
Disk Space	2 GB or more free space recommended
Network Protocol	TCP/IP
NIC Speed	100 MBPS (1 GBPS recommended)
Video Resolution	1024 x 768
Operating System	Windows 8, Windows 8.1, Windows 10
Browser	Internet Explorer® 11.0 Note : 1) Microsoft Edge™ Browser is not supported 1) Internet Explorer 8.0 and 9.0 browser is not supported by Microsoft®

Delphi MPE/SPE Versions Supported

Category	Delphi MPE Versions Supported
Delphi Versions	Delphi v9.5.3 Delphi 2013 (I-Server AP 36 or higher) Delphi 2015 (I-Server AP 40 or higher)

Connector Requirements

Connector	Category	Connector Requirements
BEO and Events (Digital Signage,	Network Access	HTTP (port 80) or HTTPS (port 443) between

Building Automation, Labor Mgmt, Food Costing, Food Inventory, and POS)		third party system and I-Server Web server
Reservations Services v5	Network Access	HTTP (port 80), HTTPS (port 443), or HTTPS (port 443) between I-Server Web server and third party system
Revenue Management Services	Network Access	HTTP (port 80) or HTTPS (port 443) between third party system and I-Server Web server
Cendyn eProposal v1.1	Network Access	HTTPS (port 443) from I-Server Web server to https://webservices.cendyn.com
EzRMS Revenue Management	Network Access	HTTPS (port 443) from I-Server Web server to 193.251.34.133
IDeaS Revenue Management	Network Access	HTTPS (port 443) from I-Server Web server to asp.ideas.com
Galaxy Light Speed v1.1	PMS Version	Lightspeed v3.5 or above
	Network Access	HTTP (port 8080) from I-Server Web server to Galaxy server. HTTP (port 80) between Galaxy system and I-Server Web server
	Additional Requirements	Please check with vendor for additional Galaxy requirements
Hilton e-Events v1.1	Network Access	HTTP (port 80) from I-Server Web server to http://miws.hilton.com:11200/ws.pl
		HTTP (port 80) from miws.hilton.com to I-Server Web server
Hilton OnQ v1.0	PMS Version	5.11 or higher
	Network Access	HTTP (port 80) from OnQ to I-Server Web

server

Additional Requirements

Any participating Hilton hotel must have a flat LAN or Hilton firewall in place for Ethernet properties. Please check with Hilton for additional OnQ requirements.

MeetingBroker DirectBook v1.0	Network Access	<p>HTTPS (port 443) from I-Server Web server to https://my.meetingbroker.com</p> <p>HTTP (port 80) from I-Server Web server to the Internet</p> <p>HTTP (port 80) from Delphi client to I-Server Web server</p>
	SSL Certificate Recommended	<p>SQL (port 1433) from I-Server Web server to I-Server Web server database (if installed on a dedicated database server)</p> <p>A valid SSL certificate must be applied to the server.</p> <p>Follow the IIS 6.0 Security Best Practices from Microsoft at the following link:</p> <p>http://technet2.microsoft.com/WindowsServer/en/library/ace052a0-a713-423e-8e8c-4bf198f597b81033.msp?mfr=true</p>

MeetingBroker Integration v1.2	Network Access	<p>HTTPS (port 443) from client to https://*.meetingbroker.com</p> <p>HTTPS (port 443) from I-Server Web server to https://*.meetingbroker.com</p> <p>HTTP (port 80) from I-Server Web server to the Internet</p> <p>HTTP (port 80) from Delphi client to I-Server Web server</p> <p>SQL (port 1433) from I-Server Web server to I-Server Web server database (if installed on a dedicated database server)</p>
	.NET Framework	NET 2.0 on server
MeetingBroker v1.1 Integration for Delphi Global Sales Edition	Delphi Version	Delphi Global Sales Edition 9.5.3 and above (only those Delphi versions that support GSE)
	Network Access	<p>HTTPS (port 443) from client to https://*.meetingbroker.com</p> <p>HTTPS (port 443) from I-Server Web server to https://*.meetingbroker.com</p> <p>HTTP (port 80) from I-Server Web server to the Internet</p> <p>HTTP (port 80) from Delphi client to I-Server Web server</p> <p>SQL (port 1433) from I-Server Web server to I-Server Web server database (if installed on a dedicated database server)</p>
	.NET Framework	.NET 2.0 on server

Micros OXI (Opera) v1.4	PMS Version	OXI v2.6.3 e20 or higher, v3.0.04.02 e5 or higher, v4.0 or higher, v5.0.01.01 e10, Opera Express, OperaASP
	Network Access	HTTP (port 80) between I-Server Web server and OXI server
	Additional Requirements	Please check with vendor for additional OXI requirements.

Micros 9700 POS v1.0 TBD TBD

Passkey Hotel Direct v1.0 Network Access HTTPS (port 443) from I-Server Web server to <https://api.passkey.com>

<p>Powered by Serenata Intraware (PBSI) v1.1 (Single-Property ONLY)</p> <p>Please contact your sales representative for further details about Multi-Property requirements.</p>	PMS Version	Fidelio Version 6
	Network Access	<p>HTTP (port 80) between I-Server Web server and third party system</p> <p>HTTP (port 80) from Delphi client to I-Server Web server</p>
	Interface Workstation Hardware	<p>1 Celeron/Pentium 4 2.4 GHz or better</p> <p>1 GB of RAM</p> <p>40-80GB (IDE/SATA) hard drive</p> <p>DVD-ROM drive</p> <p>10-1000 Mb network card 2 Windows XP Prof. SP2 licenses. (one included with computer), need a second</p>
	Interface Workstation Software (Installer will	VMware® Player1

	bring this software)	Microsoft MSDE-2000 SP4 Optional: pcAnywhere 11.x or later Optional backup agent
Siebel (Marriott)	Delphi Version	9.5.3 and above
Springer Miller Systems (SMS) v1.0	PMS Version	Host version 16 or higher
	Network Access	HTTP (port 80) between I-Server Web server and SMS host HTTP (port 80) from Delphi client to I-Server Web server
Starwood Meetings in a Moment (SMM) v1.0	Network Access	HTTP (port 80) from SMM to I-Server Web server
Starwood TLPe v1.0	Network Access	HTTPS (port 8443) from I-Server Web server to https://tlgointfapps.starwoodhotels.com:8443
	Delphi Version	9.5.3 and above
	Network Access	HTTPS port 443 from I-Server to Service Hub https://services.newmarketinc.com HTTP on port 8000 and 80 from Delphi client to I-Server Web server
	SQL	Backup permissions to back up database prior to bulk match SQL Reporting Services 2008 R2 required to analyse account match data

Managed Module Services v1.1	.NET Framework	.NET 4.6
	Network Access	HTTPS port 443 from I-Server to Service Hub
Meeting Intelligence (HIS) Access Service	.NET Framework	.NET 4.0
	Network Access	HTTPS port 443 from I-Server to Service Hub
Meeting Intelligence (HIS) Lead Inbox	.NET Framework	.NET 4.0
	Network Access	HTTPS port 443 from I-Server to Service Hub
Activity Relay Service	.NET Framework	.NET 4.0
	Network Access	HTTPS outbound port 443 for Windows Azure Service Bus Relay
Duetto Revenue Management	Network Access	HTTPS (port 443) from I-Server Web server to Duetto Web Service
Amadeus Hospitality Diagramming	.NET Framework	.NET 4.6
	Network Access	HTTPS port 443 from I-Server to Amadeus Hospitality Web Service
	Delphi Version	Delphi v9.5.4 SP2

Remote Access for Services and Support

In accordance with the Amadeus Software License Agreement, the ability for Amadeus Hospitality Americas, Inc. (“Amadeus”) to provide timely, complete, and satisfactory services, installs, upgrades, and technical support depends on the customer allowing reasonable access to the Amadeus software server environment, databases, and applicable workstations.

With a large customer base and a wide variety of remote access methods available to the public, Amadeus has found it necessary to narrow the range of options in order to provide

the highest level of support while also ensuring that customer networks, systems, and data are easy to access, easy to use, and, most importantly, secure.

Amadeus uses WebEx® as the primary means of remote connection. WebEx is an Internet-based service that allows connection to any workstation or server that has an Internet connection. The customer will not be charged any additional fees for the use of WebEx. WebEx is easy to use and very secure. To view a PDF document on WebEx's security, go to: http://www.webex.com/pdf/wp_security.pdf.

In addition to WebEx, Amadeus Support and Installation Technicians may also use Citrix® or Microsoft® RDP clients for servers connected directly to the Internet. Because many VPN clients are incompatible, the only Amadeus approved VPN client is Juniper Networks® VPN.

In addition to the remote access requirements, Amadeus Support and Installation Technicians may need download and upload FTP access to the Amadeus FTP site (12.15.184.150), as well as download access to the Microsoft download sites, to complete scheduled work at the customer site.

Additional Information for Customers

- These system requirements are minimum guidelines. Actual requirements will vary based on customer system configuration, installed applications, and use.
- If the 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 (ex. memory and disk subsystem).
- The customer assumes all responsibility for the ongoing maintenance, virus protection, data backup, and security of their system.