

# I-Server 2.1 AP 16

System Requirements

# Index

I-Server 2.1 AP 16 System Requirements .....	3
Additional Server Requirements .....	4
Workstation Requirements .....	5
Delphi MPE Versions Supported.....	5
Connector Requirements .....	5
Remote Access for Services and Support .....	8
Notes to customers on System Requirements .....	8

## I-Server 2.1 AP 16 System Requirements

Please refer to the I-Server 2.1 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. Please contact your sales representative for additional information.	

## 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 SP3 SQL Server 2012 Standard / Enterprise SP3 SQL Server 2014 Standard / Enterprise SP2 SQL Server 2016 RTM Standard / Enterprise
Server Components	IIS
Browser	Internet Explorer® 11.0  Note : 1) Microsoft Edge™ Browser is not supported 2) Internet Explorer 8.0, 9.0 and 10.0 browser is not supported by Microsoft®
Miscellaneous	<ul style="list-style-type: none"> <li>• Microsoft .NET 4.6</li> <li>• MSXML4 SP3</li> <li>• MSMQ</li> <li>• WSE 3.0</li> <li>• Microsoft SOAP Toolkit 3.0</li> <li>• Antivirus</li> <li>• Backup system</li> <li>• UPS recommended</li> </ul>
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® 7, Windows 8, Windows 8.1, Windows 10
Browser	Internet Explorer 11.0  Note: 1) Microsoft Edge Browser is not supported 2) Internet Explorer 8.0, 9.0 and 10.0 browser is not supported by Microsoft

## Delphi MPE Versions Supported

Category	Delphi MPE Versions Supported
Delphi Versions	9.6.1 GR and above

## Connector Requirements

Connector	Category	Connector Requirements
Events & BEO Services	Network Access	HTTP (port 80) or HTTPS (port 443) between 3rd party system and I-Server Web Server
Reservations Services v5	Network Access	HTTP (port 80) or HTTPS (port 443) or HTTPS (port 443) between I-Server Web Server and 3rd Party System

Connector	Category	Connector Requirements
Revenue Management Services	Network Access	HTTP (port 80) or HTTPS (port 443) between 3rd party system and I-Server Web Server
Cendyn eProposal 1.1	Network Access	HTTPS (port 443) from I-Server Web Server to <a href="https://webservices.cendyn.com">https://webservices.cendyn.com</a>
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 <a href="http://asp.ideas.com">asp.ideas.com</a>
Galaxy Light Speed 1.1	PMS Version	Lightspeed v3.5 or above
	Network Access	<ul style="list-style-type: none"> <li>• HTTP (port 8080) from I-Server Web Server to Galaxy server</li> <li>• HTTP (port 80) between Galaxy system and I-Server Web Server</li> </ul>
	Additional Requirements	Please check with vendor for additional Galaxy requirements.
MeetingBroker Integration 1.2	Network Access	<ul style="list-style-type: none"> <li>• HTTPS (port 443) from client to <a href="https://*.meetingbroker.com">https://*.meetingbroker.com</a></li> <li>• HTTPS (port 443) from I-Server Web Server to <a href="https://*.meetingbroker.com">https://*.meetingbroker.com</a></li> <li>• HTTP (port 80) from I-Server Web Server to the Internet</li> <li>• HTTP (port 80) from Delphi client to I-Server Web Server</li> <li>• SQL (port 1433) from I-Server Web Server to I-Server Web Server database (if installed on a dedicated database server)</li> </ul>
	Net Framework	.NET 4.0 on Server
Micros OXI (Opera) 1.4	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

Connector	Category	Connector Requirements
	Network Access	HTTP (port 80) between I-Server Web Server and OXI server
	Additional Requirements	Please check with vendor for additional OXI requirements.
Passkey Hotel Direct 1.0	Network Access	HTTPS (port 443) from I-Server Web Server to https://api.passkey.com
Powered by Serenata Intraware (PBSI) 1.1 (Single Property ONLY)  Please contact your sales representative for further details about Multi-Property requirements.	PMS VersionNetwork Access	Fidelio Version 6  HTTP (port 80) between I-Server Web Server and 3rd party system  HTTP (port 80) from Delphi client to I-Server Web Server
	Interface Workstation Hardware	1 Celeron/Pentium 4 2.4 GHz or better  1 GB of RAM  40-80GB (IDE/SATA) hard drive  DVD-ROM drive  10-1000 Mb network card 2 Windows workstation licenses. (one included with computer), need a second
	Interface Workstation Software (Installer will bring this software)	VMware® Player1  Microsoft MSDE-2000 SP4  Optional: pcAnywhere 11.x or later  Optional backup agent
Springer Miller Systems (SMS) 1.0	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 TLPe 1.0	Network Access	HTTPS (port 8443) from I-Server Web Server to https://tlgointfapps.starwoodhotels.com:8443

Connector	Category	Connector Requirements
AccountModule Services v1.1 (for Dun and Bradstreet)	Delphi Version	9.6, 9.6.1 SP2
	Network Access	HTTPS port 443 from I-Server to NI ServicesHub <a href="https://services.newmarketinc.com">https://services.newmarketinc.com</a>  HTTP on port 8000 and 80 from Delphi client to I-Server Web Server
Duetto Revenue Management	Network Access	HTTPS (port 443) from I-Server Web server to Duetto Web Service

## 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/includes/documents/security\\_webex.pdf](http://www.webex.com/includes/documents/security_webex.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.

## 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 would need to occur (for example, memory and disk subsystem).
- Customer assumes responsibility for ongoing maintenance, virus protection, data backup and security of their system.