EZappt System Specifications

Hardware requirements; A Microsoft Server 2003+ for web server and database server, 2 GB of RAM for the web server and 2 GB RAM for the database server. Optimal hardware/technical configuration; EZappt plans to have separate web servers and database servers for this project. EZappt recommends reviewing the hosting platforms supported. Our professional services team can provide hosting platform recommendations based on your needs and usage patterns.

EZappt prefers the Microsoft Server 2008 operating system, IIS 6.0+ web server and Microsoft SQL Server 2008+ database. Although all of the above server software and the EZappt product can be run on a single physical server we recommend separate physical servers for the web and database to furnish enterprise level service.

For workstations using the EZappt system, the only requirements are an internet/intranet connected computer or mobile device. The device processor should be 500 MHz and higher with at least 500 MB of RAM and 5 GB of disk space.

Browsers Supported; All; the EZappt software product is a web-based solution that can be accessed through a browser (IE Version 5.5+, Firefox 2+, Opera, Safari, and Google Chrome)**.** All features are accessible through major mobile browsers.

System Documentation

System Architecture; See Appendix A1: Application Architecture Diagram
Development tools/languages employed; .NET, 1.1/2.0 C#, ASPX pages.
Error handling: EZappt software handles all application generated errors through an error handling module that is part of 'common services' (as referenced in the application architecture diagram)

Options for scalability. EZappt software supports vertical as well as horizontal scaling. Performance scalability can be achieved by either adding additional processors or memory to existing servers or by adding additional servers and leveraging the multi-tier architecture (e.g. separating the web tier from the database tier by hosting the web and the application components on a web server and hosting all the database components in a database server OR deploying the web tier on a web farm).
> Limits of scalability Vertical scalability – EZappt software can be expanded to leverage a max of 5 physical load balanced tiers. Horizontal scalability is limited by the max memory size that can be addressed by the operating system.

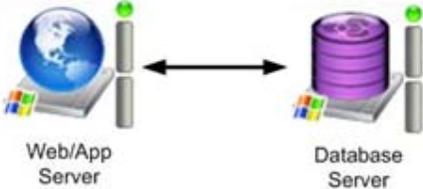## Hosting Platforms Supported

Technical Architecture
EZappt can scale the hosting platform from 1-5 servers as shown below. Under production use, the platform in Scenario 2 has supported 1000 appointments booked in just over 1 minute. EZappt will provide hosting platform recommendations as part of any proposal.

ℰappt.com Technical Architecture

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