

System Requirements

e-tivity is not a typical client-server windows application. It is part of the new Microsoft .net strategy utilising their n-tier approach. The architectural overview gives a clear indication that when configured to its optimal environment, **e-tivity** will utilise the resources of many systems. It may be possible to use existing parts of an existing system, for example the database or domain controllers. This document will outline the specific requirements for each component to ensure the system owner can make a clear determination about the use of an existing system and the impact **e-tivity** may have on that system from an operational perspective.

The **e-tivity** solution is divided in to two main parts; the server components and the client components. Within each of these there are several systems that act cooperatively to deliver the entire solution.

Server Components

The basic **e-tivity** solution shows 4 servers being utilised. It is a function of performance, security and hardware scalability as to whether two or more of these services can be combined to a single system or whether a number of servers need to be "clustered" or "networked load balanced" to deliver the service required. This should be discussed with your Positive Systems consultant based on your particular needs.

Database Server

e-tivity uses Microsoft SQL Server 2000 (with SP4) or SQL Server 2005 (With SP2) as its database server. It operates on Microsoft Windows 2000 Server or Windows Server 2003. A version of SQL Server 2005 (64-bit) with Windows Server 2003 (64-bit) provides optimum performance. As a minimum, it is recommended to use a dual P4 Xeon class system (or higher) with 4 GB memory and at least a 3 disk drives

configuration with each disk drive has 18 GB of capacity. The specific configuration and disk size would depend on the client size and the modules to be used.

Application Server

This server performs most of the numerical work. It operates on Microsoft Windows 2000 or 2003 Server . It requires .Net Framework 1.0 Service Pack 3 and SQL connectivity client. This server also process request to produce reports by using crystal report. As a minimum, it is recommended that this is a dual P4 Xeon class system (or higher) with at least 2 GB RAM and at least a 2 disk drives RAID 1 array with each disk drive has 36 GB of capacity.

Web Server


This server acts the interface between the user and the application server(s). It operates on Microsoft Windows 2000 or 2003 Server. It requires IIS 6 or higher. It also requires .Net Framework 1.0 Services Pack 3. As a minimum, it is recommended that this is a dual P4 Xeon class system (or higher) with at least 2GB RAM and at least a 2 disk drives RAID 1 array with each disk drives has 36 GB of capacity.

Domain Controller

This server acts as the system security and alert manager. It operates on Microsoft Windows 2000 or 2003 Server and utilises the Active Directory system for internal security. It requires .Net Framework 1.0 service pack 3. As a minimum, it is recommended that this is a dual P4 Xeon class system (or higher) with at least 1 GB RAM and at least a 2 disk drives RAID 1 array with each disk drives has 36 GB of capacity.



Client Components


The  client can be either a browser or windows applet.


Browser client

This can be any system that is capable of running Internet Explorer version 6 SP1 or Version 7. This client is designed to operate over a 256 kbps ADSL/Cable to an ISP (Internet Service Provider) and as such has a low bandwidth requirement.


(Note: Performance is directly related to bandwidth available).

Windows Client

This client will operate the aspects of  that are delivered as windows applets. These can be Microsoft Windows 2000 (with SP4) or Windows XP (With SP2) system that supports .Net Framework 1.0 SP 3. This client has been designed to communicate

via the Internet with the  solution, and whilst it likes a moderate to high performance system on a local area network (LAN). It will operate effectively over 512 kbps ADSL or higher speed connection.


Positive recommends the following minimum hardware requirements for the Windows Client:

Minimum requirements	
Processor	Intel Pentium 4 class, 1.5 GHz or higher
Operating System	Microsoft Windows 2000 (SP4), with the latest Windows service pack and critical updates available from Microsoft Security Web site. Microsoft Windows XP Pro with SP2 (Recommended), with the latest Windows service pack and critical updates available from Microsoft Security Web site. Microsoft .Net Framework 1.0 and its Service Pack 3 are installed by the  Windows Client (Note: Operating Systems not listed are not supported for e-tivity®)
Minimum RAM Requirements	512 MB (Higher RAM is recommended)
Hard Disk	Hard disk space required to install: 200 MB Hard disk space required: 70 MB.
Display	Video: 1024 x 768, 16 bit colours recommended
Input Device	Microsoft mouse or compatible pointing device
Other	Microsoft Internet Explorer 6.0 SP1 or 7.0 is required for e-tivity®.

Communication Requirements

The minimum bandwidth requirement is 512 kbps + allowing for number of concurrent sessions.. It is recommended that these be discussed with your Positive Systems Consultant to ensure that your existing infrastructure will meet your specific needs

Licensing

Each Server being used will require 1 Server license of Microsoft Windows 2000 or 2003 Server with at least 5 Client Access Licenses (CAL's) for .

For the SQL Server a license for Microsoft SQL Server Standard Edition or Enterprise Edition will be required. Positive recommend the Per Processor license. Also, 1 standard Crystal Report V11 license required.

Positive Workforce Solutions Pty Ltd

Level 2, 18-20 Ross Street,

North Parramatta NSW 2151

Tel: 028838 2200 Fax: 02 8838 2211

Email: sales@positive.com.au

Website: www.positive.com.au

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Positive Workforce Solutions, through its business partner with Powertel Data Centre, deliver a cost-effective alternative to the hosting and maintenance of your corporate applications and necessary IT equipment. Positive Workforce Solutions can provide superior security, storage and disaster recovery solutions to suit your individual business requirements.

The Powertel Data Centre is a 24 x 7 state-of-the-art, purpose built, data facility designed to support the online initiatives of Australian corporate and government. The Data Centre is an integral part of Positive Workforce Solutions product deployment and delivery - providing the e-business infrastructure model for the 21st century. The Data Centre includes all the facilities, service options, management and intelligence that would otherwise be prohibitively capital intensive for individual corporate or government departments. The facility allows corporate and government to get 'on with the job' of core business and leave the e-business infrastructure to Positive Workforce Solutions.

Positive Workforce Solutions offer a range of flexible hosting solutions to meet your needs - just ask to find out how you could benefit.