

# Document WorkBench™ for **High Scalability**

*Real Scalability allows Economical Way to Start Small and Expand on Required basis, spend according to Needs*

Document WorkBench™

## Scaling Enterprise Content Management – What are the Implications

### Highlights

- Highly Secured.
- High Performance.
- Features Rich
- Highly Scalable
- Yet, easy to operate and manage.

Scaling of any system requires evaluation of two main considerations:

- i. Scaling Up; and,
- ii. Scaling Out.

Scaling up is about increasing system capacity of an existing system infrastructure setup in anticipation of growth, e.g., in the content size, users base, and activities in the context of an Enterprise Content Management System. Capacity is typically expressed in terms of:

- i. Number of additional Computer Processing Units (CPUs) required;
- ii. Number of additional users;
- iii. And review of other related system resources, system software and peripherals that may need to be upgraded.

For scaling up, the common implication is costs, that is, system upgrade costs, and key software product cost increase due to system capacity increase; most software priced base on number of CPU and/or number users of the software. There is usually little or no issue with the key software product's ability to support a scaled up system.

Scaling out is required when an existing system infrastructure running a particular application or software product runs out of steam, that is, there is no more room to scale up. Scaling out is to expand the underlying infrastructure to include more computer systems to address the growth needs, there are more implications:

- i. Does any of the existing infrastructure need to be replaced first;
- ii. Can the software concerned support multiple servers and clustering;
- iii. How is it done, e.g. by purchasing additional software copy for each addition server or the software can spread itself out to utilized the combined computing power;
- iv. Is multi-site deployment supported, etc.
- v. What's the software costs implication related to scaling out.

For scaling out, the software infrastructure must be able to support and map to the hardware infrastructure for a true scaling. This requires that the services under the software system concerned must be de-coupled, tightly coupled services would require them to sit altogether at one place and therefore, limiting the ability to really scale, especially, over different locations.

A truly scalable system should be able to start with a single server and expand as the business requirements grow without throwing away any of the prior investment made.



## Document WorkBench™ - a Truly Scalable Enterprise Content Management System

Document WorkBench™ is designed with an architecture that allows it to take full advantage of the underlying hardware platform as it scales up and/or out. It is designed to support geographically distributed sites and manages network latency and different languages support.

Document WorkBench™ services are designed to be loosely coupled and together with its operating management foundation, allows the services to be distributed to different computer servers, thereby, achieving a truly distributed and scalable system.

Document WorkBench™ system could start with a single computer server for a small set up and grow to multi-servers based system as the business requirements expand by “spreading” its services out to various connected systems. In this way, a company only needs to deploy what is needed to meet its current requirements rather than also committing to future requirements up front, as is the case with some software. It is a cost effective solution.

### Support for Clustered Environment

Document WorkBench™ supports clustered environment as well as multi-processors of each server. Clustered environment improves the availability and performance of a deployed system.

### Support Multi-layered Deployment

Document WorkBench™ supports the following layered deployment:

- i. Web zone layer;
- ii. Application zone layer; and,
- iii. Secured Content zone layer.

Web zone layer is where the end users of Document WorkBench™ system are, the Application zone houses all its Applications, and the Secured Content zone is where all Document WorkBench™ and related contents sit.

Each of the layers can be individually expanded according to business requirements so not every expansion in the system requirements all three layers to be expanded as a whole.

### Support Different Languages

In a geographically distributed deployment, different language support is a pre-requisite. Document WorkBench™ supports English as the default language but it supports also the major European languages and Asian languages such as Chinese, Japanese, Korean, and Thai. With multi-language support, Document WorkBench™ transcends borders and achieves a truly distributed system.

#### *For enquiries, contact*

1. Sales Enquiry: [sales@i-maginationgroup.com](mailto:sales@i-maginationgroup.com)
2. Partner Program Enquiry: [sales@i-maginationgroup.com](mailto:sales@i-maginationgroup.com)
3. Tel: (65) 6490 9588  
Fax: (65) 6490 9599