



Why “i” for Domino?

IBM @server iSeries servers are an ideal platform for Domino. The unique iSeries memory and processor architecture enables you to run multiple Domino workloads within a single server footprint.

Each Domino server runs in its own i5/OS subsystem, independently of the other Domino servers and any other applications that exist on the same server. If a problem occurs with one Domino application, it doesn't affect Domino applications in any other Domino server or any non-Domino applications on the same server. The failed Domino server can be brought back online without restarting the system. Consequently, it's safe to run a complex, multi-Domino server solution on the same machine that runs your mission-critical line-of business applications.

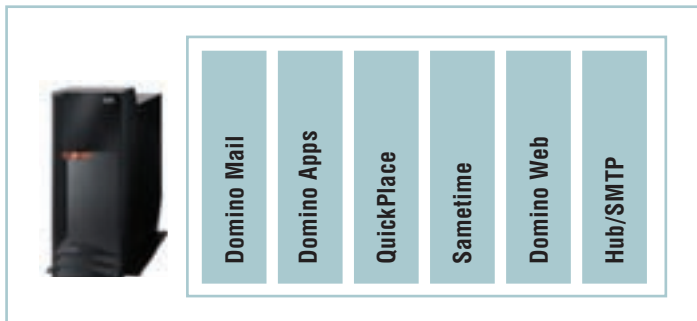
This ability to consolidate Domino and other workloads on a single machine maximises cost-effectiveness and makes your entire IT infrastructure easier to manage. In addition to the application protection provided by discrete subsystems, Domino for iSeries takes advantage of the reliability and availability features of the server, such as RAID-5, mirrored disk units and integrated backup capability. With backup media and recovery services (BMRS) software, Domino for iSeries allows for outstanding online server backup support, so you no longer need to shut down Domino servers in order to maintain them.



Use less physical Domino servers

Run multiple Domino partitions on a single server safely and reliably – start and stop partitions independently of each other.

Subsystems = Workload isolation



i5/OS subsystems isolate each Domino partition workload from being impacted by other partitions.

N.B. From Domino 6.0, iSeries users can run multiple versions of Domino in the same logical partitioning (LPAR). This means that development and test environments can co-exist with the production server and can be tested on the actual hardware they will be deployed on.

Compare that to other computing platforms where you would have to have a separate test and development environment!

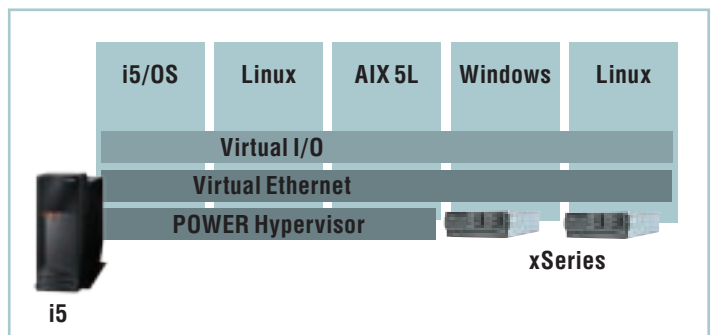
Simplify Domino administration

Maintain a single copy of both Domino and of the operating system on your iSeries server:

- All Domino partitions share the same copy of Domino
- Domino for iSeries software can scale to support 90 percent plus CPU utilisation*
- Significantly reduce Domino maintenance time compared to multiple-copy server farm approach.

Simplify your overall IT Infrastructure

IBM @server i5 servers are based on IBM POWER5 processors supporting advanced dynamic partitioning, virtualization and management innovations. These IBM Virtualization Engine system technologies enable i5 servers to run multiple operating systems and application environments simultaneously – including IBM i5/OS (the next generation of IBM operating System/400), Linux®, IBM AIX 5L, Microsoft® Windows® Server 2003, Java™, WebSphere and Lotus Domino software.



* See iSeries results on www.notesbench.org

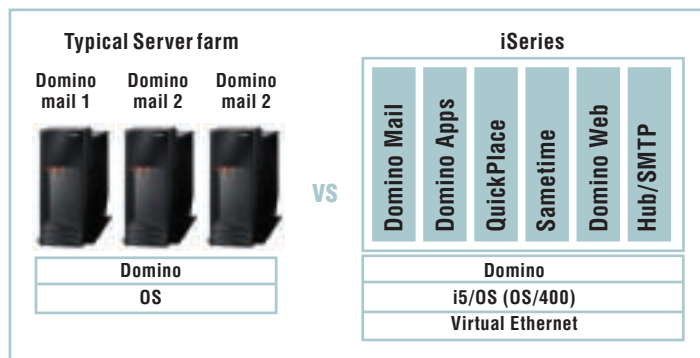
Improve disk performance and management

On an iSeries server, disk is treated like one big 'C:Drive' – spanning volumes automatically using a round-robin technique to balance data:

- More disk arms can mean faster performance
- Regular 'defrag' is not required on iSeries disk storage
- Hot spots of data are relocated to less busy drives automatically.

Share resources to improve Domino performance

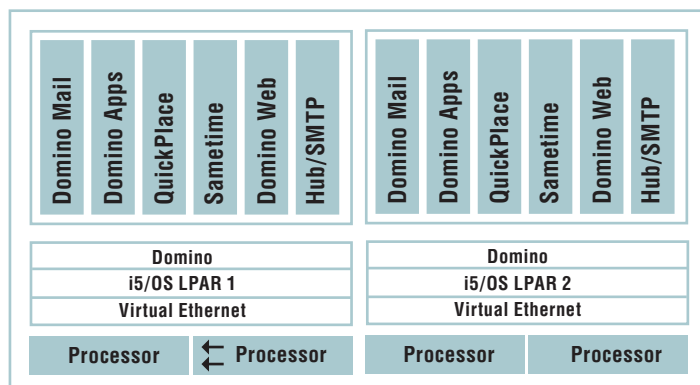
Increase utilisation of your expensive resources – don't let memory, disk and processor cycles go idle. Share them among all Domino partitions.



That means that if your mail servers are very busy in the morning when people come in to pick up their e-mail, more system resources can be given to mail to improve performance. As they start to use other applications throughout the day, the system resources can be moved to those areas.

Run multiple workloads on the same iSeries

Use LPAR to separate workloads and run multiple environments – move as little as 1/100th of a processor from one LPAR to another.



Quickly respond to increased demand

Over and above the resource sharing that already exists within the iSeries eg Workload management and dynamic partitions, the iSeries also comes with 'Stand by' resources on many of the models in the range.

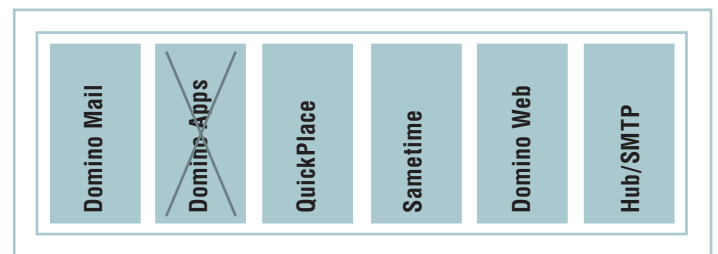
These additional processor and memory resources can be activated in daily chunks, or permanently, when you need them through the use of a numeric key provided by IBM.

Improve security

Reduce time spent administering security patches.

- Single, consistent, system-wide security covering all objects
- Object-based design not susceptible to viruses or tampering – 'data' objects cannot masquerade as programs
- No low level interfaces published
- i5/OS Architecture is virus-resistant.

Improve Domino availability



Automatically monitor the status of each Domino partition with the built-in Domino for iSeries Watchdog program.

The Watchdog automatically restarts any failed Domino partition so that your server can initiate recovery from errors that require manual intervention on other server platforms. The other Domino subsystems will continue to run unaffected.

Simplify local area networks

Using the i5 Virtual LAN, Domino, OS/400, Linux, UNIX® partitions, and applications running on the Integrated Windows Server can communicate without needing to 'leave the box'.

- Simplify the network – remove or free up routers and switches
- Secure your LAN – it is impossible to 'sniff' communications via the VLAN
- The VLAN operates at 1Gbit and can support over 4,000 virtual ethernet connections.

Save bandwidth on the network by enabling all of the Domino partitions on your iSeries server to replicate over the virtual 1GB Ethernet bus.



Monthly iSeries 'in touch' Events

Also, why not register for one of our free monthly iSeries briefings where we provide a product update and demonstrate many of the latest iSeries capabilities including:

- *IBM Workplace on iSeries*
- *Domino 7 on iSeries*
- *Web enabling iSeries applications with WebSphere*
- *Running AIX and Linux on iSeries*
- *Integrating Windows servers with iSeries.*

To see the agenda, forthcoming dates, and to register, please visit: ibm.com/uk/news/events/intouch

Further information

To find out more details about Lotus Notes and Domino on iSeries please visit: ibm.com/series/domino
For general information about iSeries please visit the following site which also contains information on how to contact an IBM representative: ibm.com/servers/uk/eserver/series/

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