



Domino Partition on iSeries



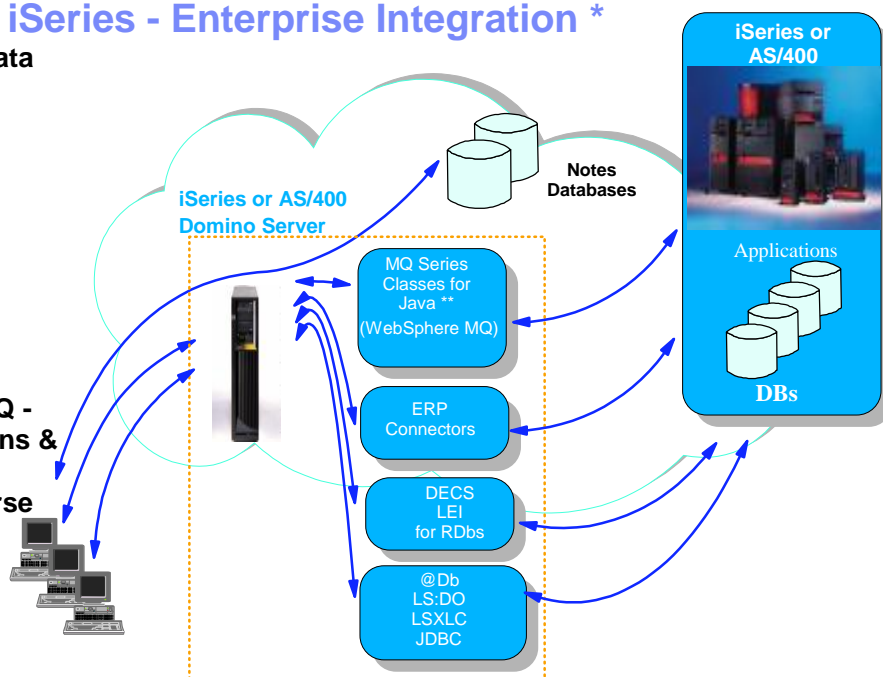
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Domino for iSeries An incredibly successful product...

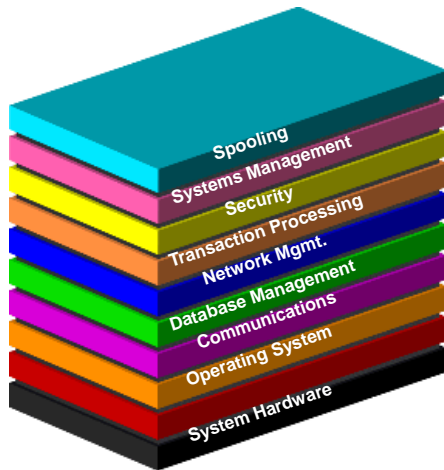
- Second most-popular Domino server platform
- Over 25% installed by customers new to iSeries
- Delighted customers
 - www.iseries.ibm.com/domino (Select Case Studies)
- Thousands of trained, talented Business Partners
- Many, many applications
 - www.iseries.ibm.com/domino (Select Solutions)

Domino and iSeries - Enterprise Integration *

- Access DB2 data using
 - DECS,
 - LEI
 - LS:DO
 - LSXLC
 - Java
 - @db, etc.
- Access ERP applications
- WebSphere MQ - integrate appl'ns & transport data between diverse systems

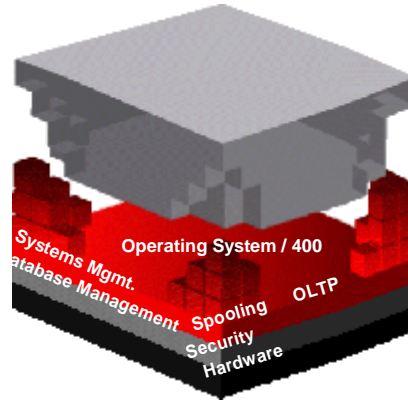


iSeries - Integration



Traditional Design

- Built-in relational database
- Built-in security
- Built-in communications



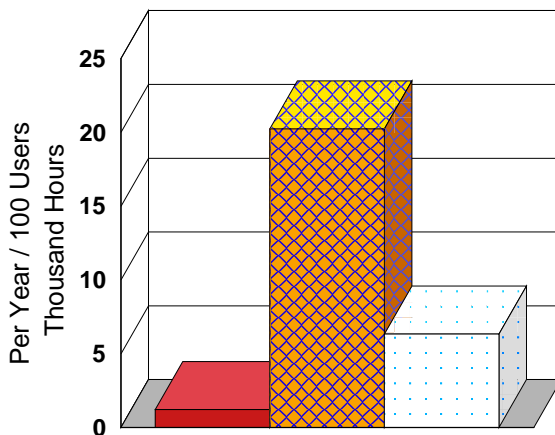
OS/400 Advanced Design

Benefits:

- Reduced Complexity
- Increased Performance/ Productivity
- Reduced Cost

Reliability - Availability

Unplanned User Downtime *



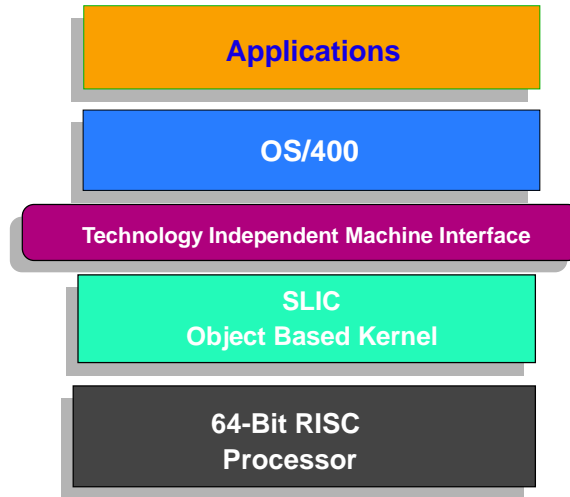
Availability

- iSeries solution 99.98%
- Standard Intel solution (SIAS) 99.67%
- Unix solution 99.90%

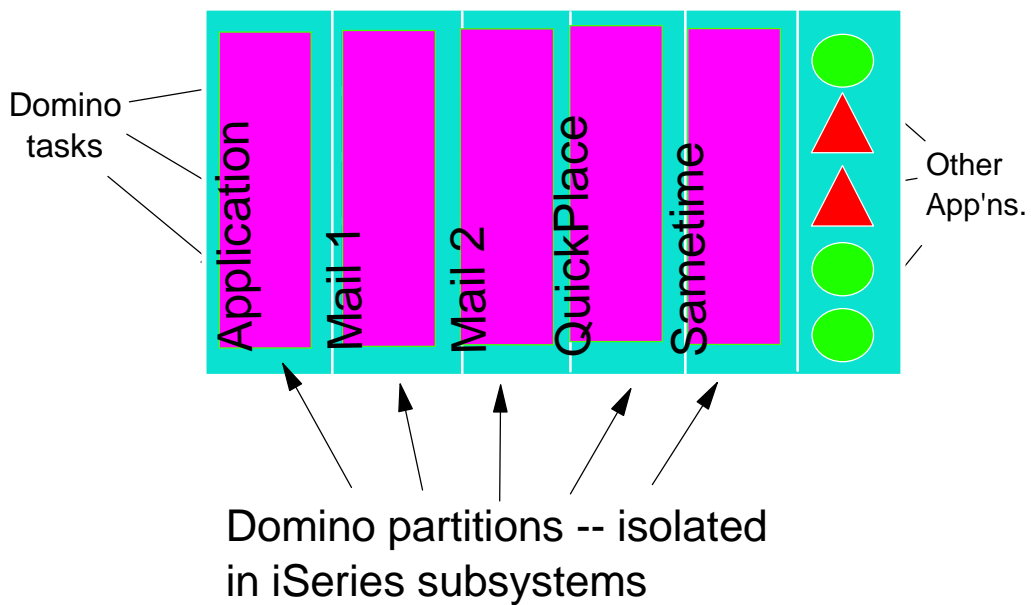
- **5x less** user downtime for iSeries than comparable Unix ERM solutions
- **16x less** user downtime for iSeries than comparable SIAS ERM solutions

* Source "Server Cost of Ownership in ERM Customer Sites: A Total Cost of Ownership (TCO) Study" IDC September 2001
Available online at <http://www-1.ibm.com/servers/eserver/iseries/const/>

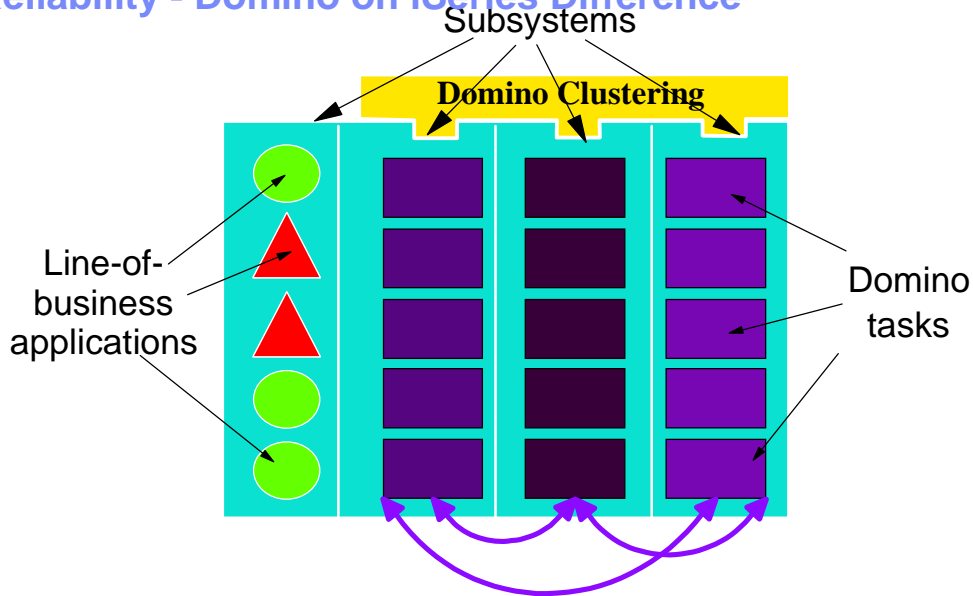
iSeries - the "Machine Interface"



iSeries Architecture - Work Management - Subsystems



Reliability - Domino on iSeries Difference

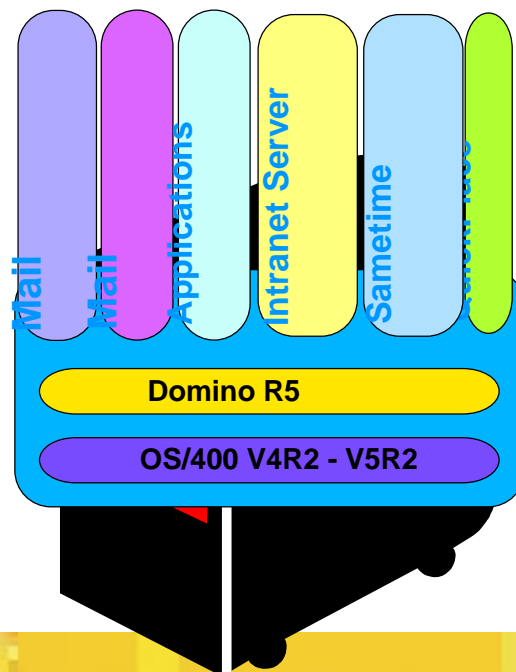


'Network' traffic between Domino partitions never leaves the system!

Domino Partitioning - Domino on iSeries Difference

- One server
- One copy of OS/400
- One copy/**release** of Domino
- One backup
- One tape drive

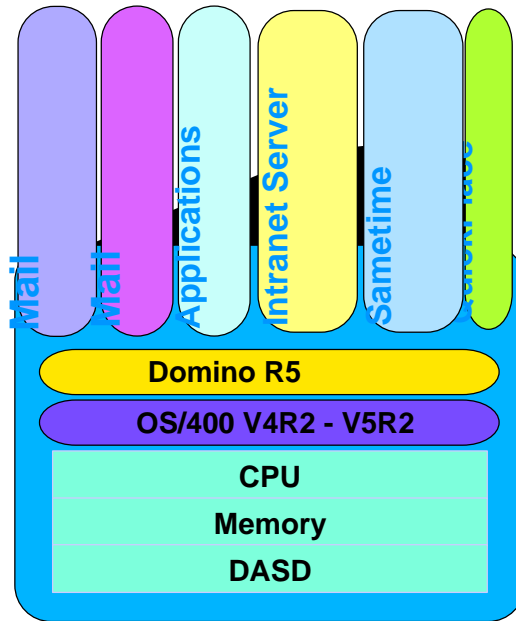
**Different from LPAR
(Logical Partitioning)**



Domino Partitioning - Domino on iSeries Difference

Maximizes resource usage

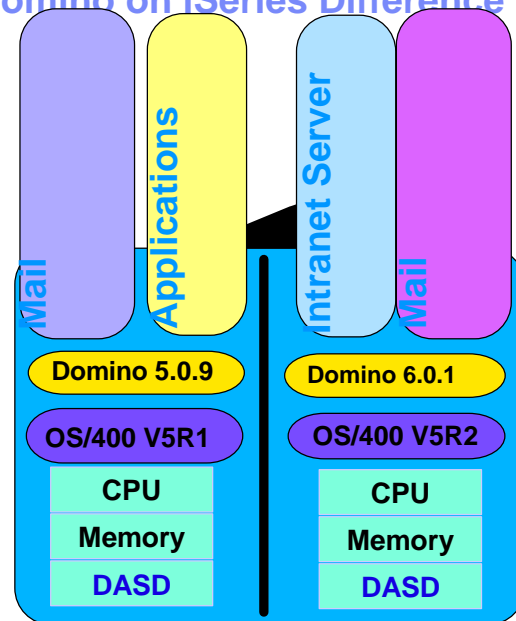
- Processor, Memory and DASD shared between Domino partitions
- CPU, Memory resources may be allocated through subsystems
- Domino partitions may be prioritized, isolated through subsystems
- Resources required for peak usage in one Domino partition are available for productive use by others during off-peak hours



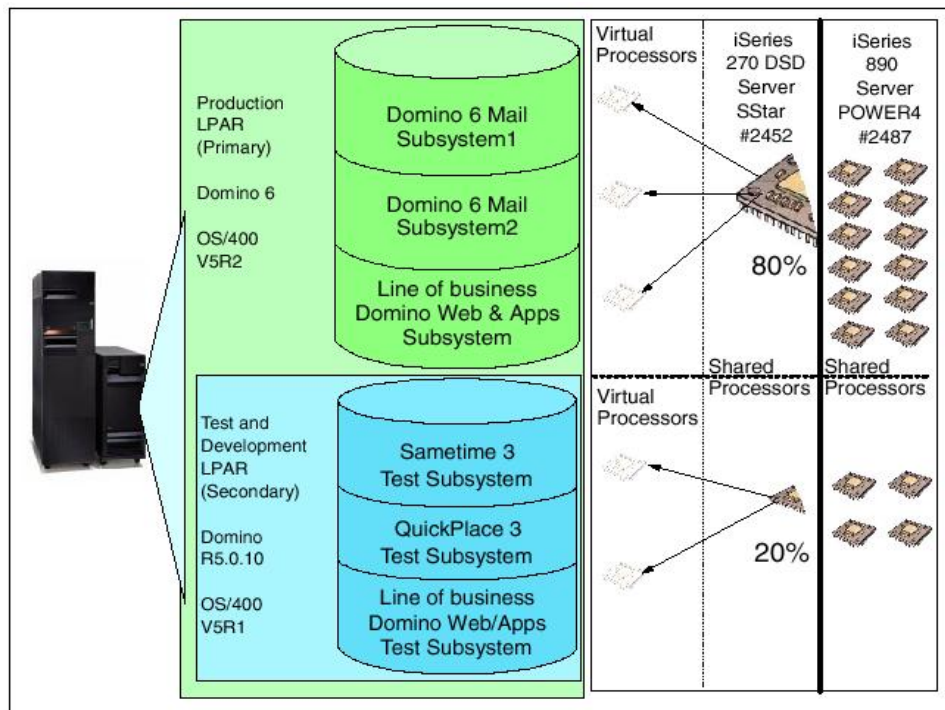
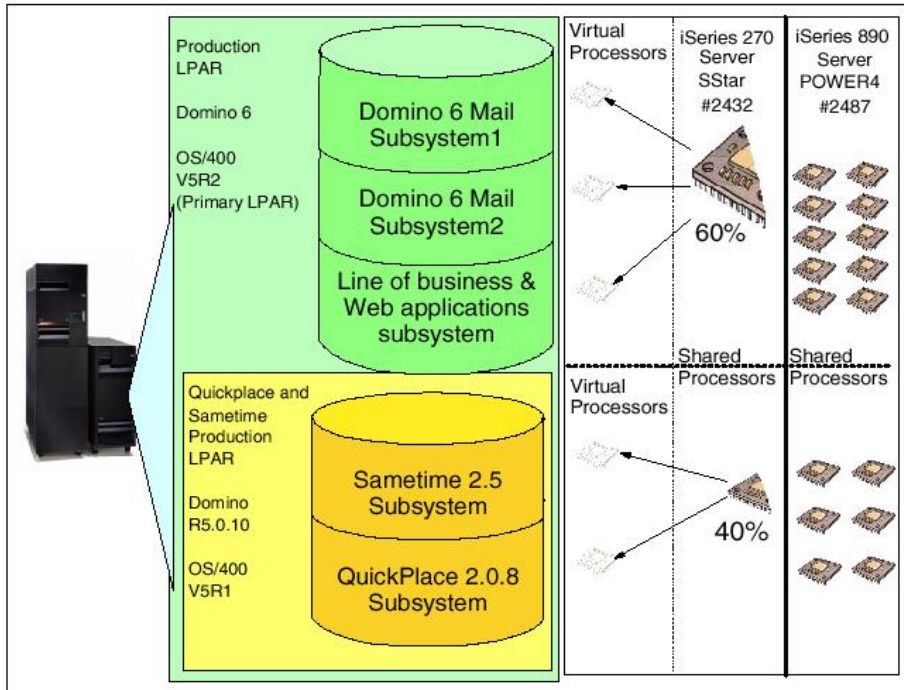
LPAR (Logical Partitioning) - Domino on iSeries Difference

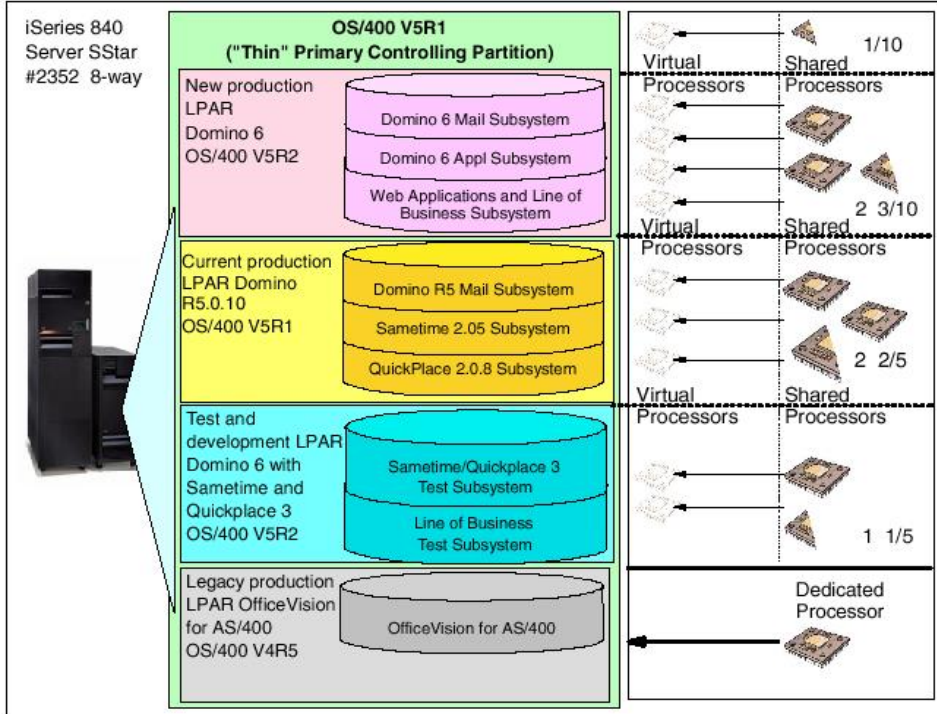
On SMP server, with LPAR you can:

- Run multiple Domino versions
- Run multiple OS/400 versions
- Run test environments
 - Test new applications, versions, PTFs, etc.
- Run multiple languages*, time zones on one server
- Dedicate CPU, Memory, IOP resources to different Domino environments
- Easily move resources between LPARs



** Domino 6 now allows for more than one language on a Domino server without LPAR.*





Scalability - Domino for iSeries Difference

NotesBench Benchmark Official Audit

- Latest record-making benchmark - **150,000** active R5Mail benchmark users on 32-way iSeries 890!
- 24-way iSeries 840 - first server to break **100,000** active R5Mail benchmark users
 - Lowest average response time ever at 67 ms

Rank	Vendor	Server	# of CPUs	R5 Mail Users	Resp time (sec)
1	IBM	iSeries 890	32	150,000	0.272
2	IBM	pSeries 680	24	108,000	0.584
3	IBM	iSeries 840	24	100,500	0.067
4	IBM	AS/400e 840	24	75,000	0.276
5	IBM	iSeries 840	24	75,000	0.276
6	IBM	RS/6000 S80	24	57,600	2.144
7	IBM	RS/6000 M80	8	28,032	1.424

Source: <http://www.notesbench.org>



Domino and OS/400 Release Compatability

	OS/400 V4R5	OS/400 V5R1	OS/400 V5R2
Domino 5.0	X	not supported	not supported
Domino 5.0.1	X	not supported	not supported
Domino 5.0.2	X	not supported	not supported
Domino 5.0.3	X	not supported	not supported
Domino 5.0.4	X	not supported	not supported
Domino 5.0.5	X	(5.0.5.02)	not supported
Domino 5.0.6a	X	(5.0.6a.01)	not supported
Domino 5.0.7	X	X	not supported
Domino 5.0.8	X	X	See Note*
Domino 5.0.9	X	X	X
Domino 5.0.9a	X	X	X
Domino 5.0.10	X	X	X
Domino 5.0.11	X	X	X
Domino 6	not supported	X	X

This table available online at <http://www-1.ibm.com/servers/eserver/series/domino/support/qmr.htm>

* Note: V5R2 supports Domino 5.0.8 but the minimum level for the new i890 hardware is V5R2 and Domino 5.0.9.

New

New iSeries for Domino Models iSeries for Domino™

- Ideal for Domino server consolidation
- Extend Domino with additional Lotus software, WebSphere, Linux applications, and DB2 integration, all on a single server footprint
- Highly flexible performance management

Lotus. software



i825

i810

Note: popular iSeries Dedicated Server for Domino ("DSD") models also available

Documentation ...

Installing and Managing Domino for iSeries **

- ▶ Ships with the product CD and softcopy also on product CD (as400hlp.nsf)

Domino for iSeries (AS/400) Release Notes **

- ▶ Softcopy on product CD (readme.nsf)
- ▶ check web site below for most recent version

Lotus Domino for iSeries:

Installation, Customization and Administration

- ▶ ITSO Redbook: Lotus Domino for AS/400 R5: Implementation, SG24-5592-01*
- ▶ ITSO Redbook: Domino 6 for iSeries Implementation, SG24-6592*

Integration with Enterprise Applications

- ▶ ITSO Redbook SG24-5345 *
- ▶ ITSO Redbook SG24-6203-00*

Performance Tuning

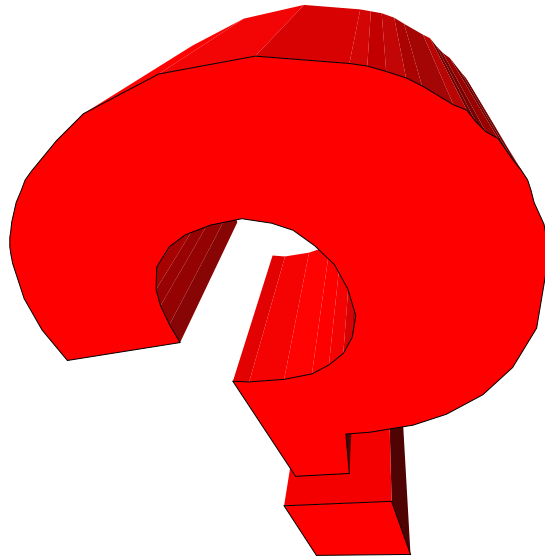
- ▶ ITSO Redbook, SG24-5162-01*

* online at <http://www.redbooks.ibm.com>

** online at <http://www.lotus.com/ldd>

Helpful Web Sites ...

- iSeries and Domino Information
 - <http://www.ibm.com/servers/eserver/series/domino>
 - <http://www.ibm.com/servers/eserver/series/const>
 - <http://www.redbooks.ibm.com>
- iSeries PartnerWorld for Developers
 - <http://www.iseries.ibm.com/developer/domino/>
- Lotus Domino and Notes Technical Resources (Domino Developer Domain)
 - <http://www.lotus.com/ldd> (was <http://www.notes.net>)
- Support related web sites
 - <http://www.ibm.com/servers/eserver/series/support>
 - <http://www.ibm.com/eserver/series/domino/support/qmr.htm>
 - <http://www-3.ibm.com/software/ts/mqseries/support/summary/400.htm>
 - <http://www.lotus.com/support>
- Lotus Domino web sites
 - <http://www.lotus.com/domino>
 - <http://www.lotus.com/domino6>
- Enterprise Integration
 - <http://www-1.ibm.com/servers/eserver/series/domino/libtopic.htm>
 - <http://www.lotus.com/home.nsf/welcome/ei>

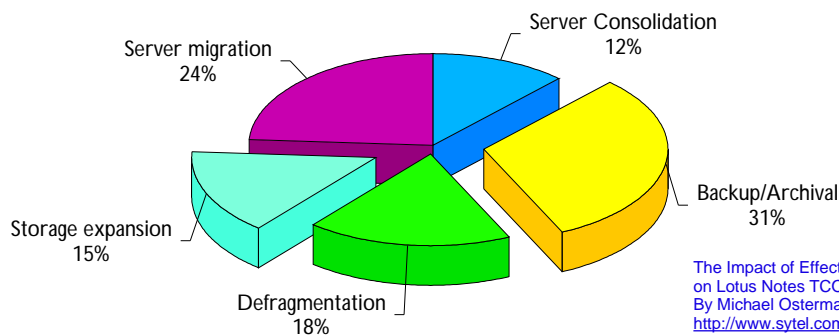


Domino for iSeries: Technical Leadership

- Match between Domino architecture and OS/400 architecture
 - Subsystem - Domino partitions
 - Provides Domino availability and administrative ease without requiring LPAR
 - LPAR adds Domino flexibility (multiple releases, languages, time zones)
 - Full exploitation of SMP architecture to get maximum Domino scalability
 - OS/400 is the only operating system in the industry to allow Domino to fully utilize all available CPUs
- iSeries unique Auto-restart
 - About 90% "auto-restart" rate in Rochester without operator intervention
 - Reduced admin cost plus improved user perception of availability
- Non-disruptive growth
 - Configure a new Domino server in minutes
 - Single-level store virtually eliminates burdensome disk management
 - "On the fly" reallocation of resources
- Integration with iSeries systems management tools
 - iSeries Navigator
 - BRMS

TCO Breakdown...Availability

Reasons for Scheduled, Planned Downtime

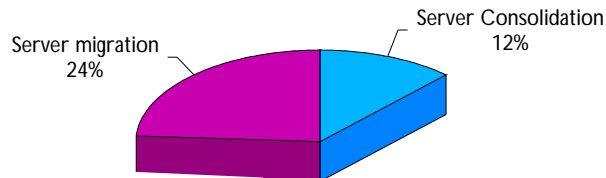


The Impact of Effective Storage Technology on Lotus Notes TCO
 By Michael Osterman February 2001
<http://www.sytel.com>

- **Backup/Archival**
 - iSeries Domino On-line backup w/BRMS doesn't require scheduled downtime
- **Defragmentation**
 - iSeries IFS (Integrated File System) does not have to have to be 'defragged' for maintenance
- **Storage Expansion**
 - You can dynamically add disk to your iSeries server while your Domino servers are running

TCO Breakdown...

Reasons for Scheduled, Planned Downtime

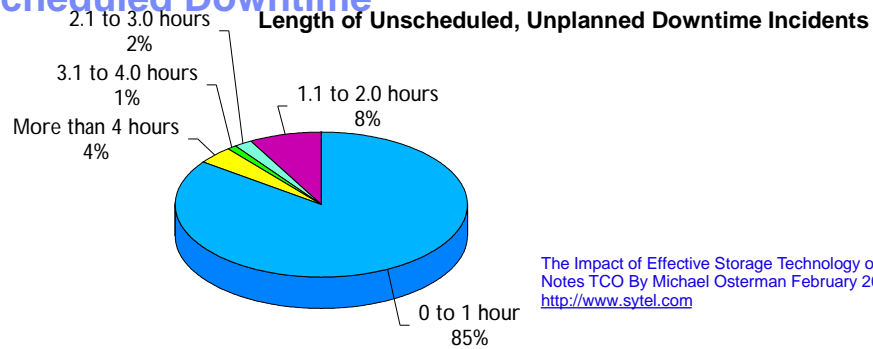


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64% could be reduced by iSeries Architecture

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TCO: Unscheduled Downtime



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IBM Rochester Length of Unscheduled, Unplanned Downtime Incidents (1/01 -7/01)

