

Domino Configuration Tuner

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IBM Collaboration Solutions

The Domino Configuration Tuner (DCT) helps administrators effectively and efficiently review their Domino configurations to ensure that best practices are employed, lowering total cost of ownership.

Server Configuration Document

notes.ini

Server Document

DbDirMan Cache

Data Sources

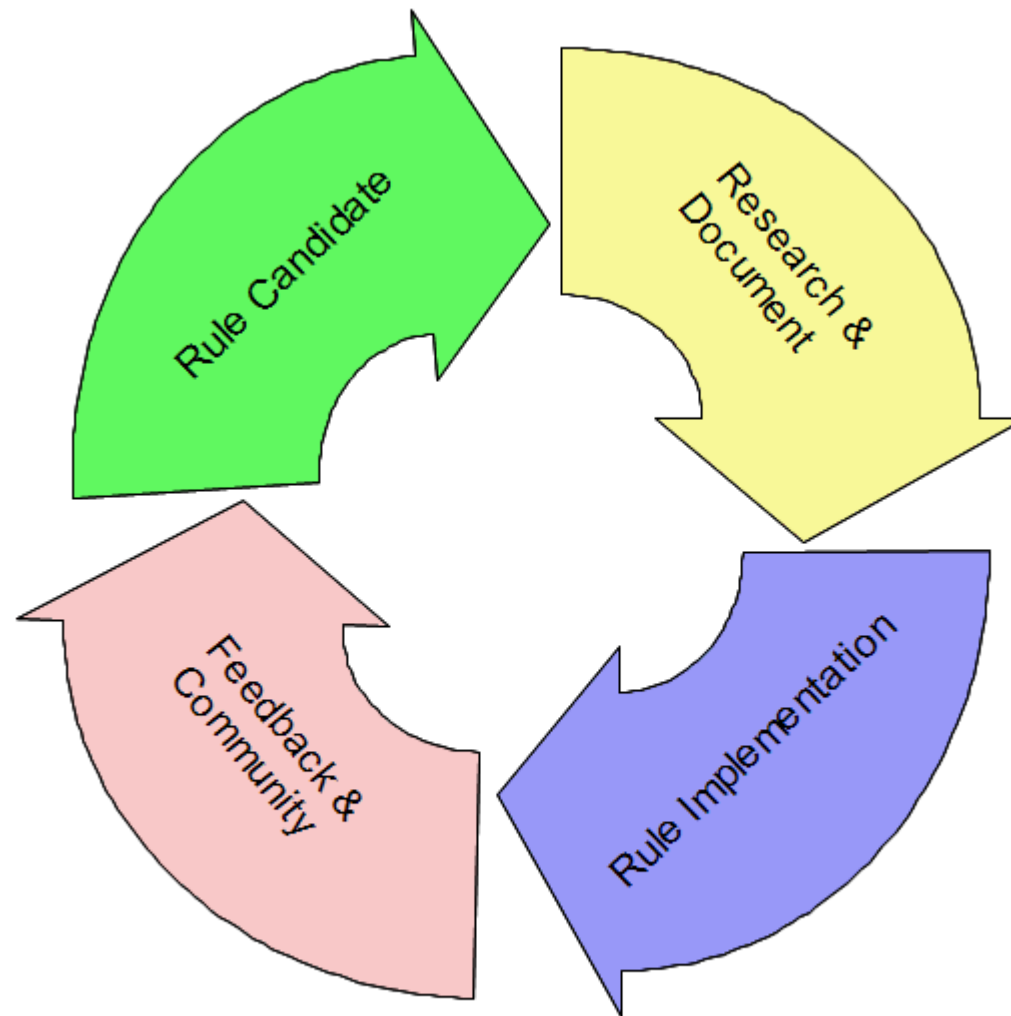
Differentiators

Domino Version

32 v. 64 bit

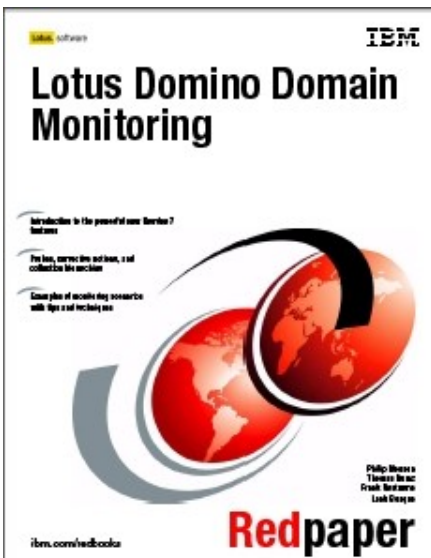
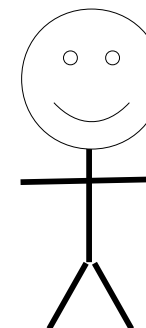
Operating System

Lifecycle



Rule Candidate Sources

Customers



IBM Technotes

Support & downloads >

Buffer overflow vulnerability in Lotus Notes file viewer for Lotus 1-2-3 attachments

Technote (FAQ)

Question

Sebastián Muñiz from the CORE IMPACT Exploit Writers Team (EWT) at Core Security Technologies contacted IBM® Lotus® to report a potential keyview buffer overflow vulnerability in Lotus Notes® when viewing a Lotus 1-2-3 (.123 extension) file attachment. In specific situations it was found that the possibility exists to execute arbitrary code.

To successfully exploit this vulnerability, an attacker would need to send a specially crafted Lotus 1-2-3 file attachment to the user. The user would then need to open the attachment.

Document information

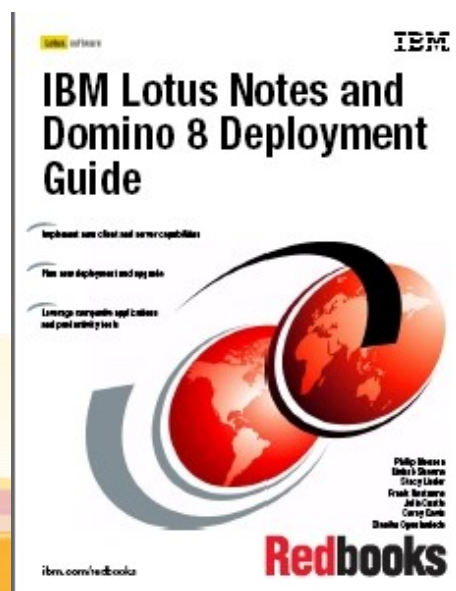
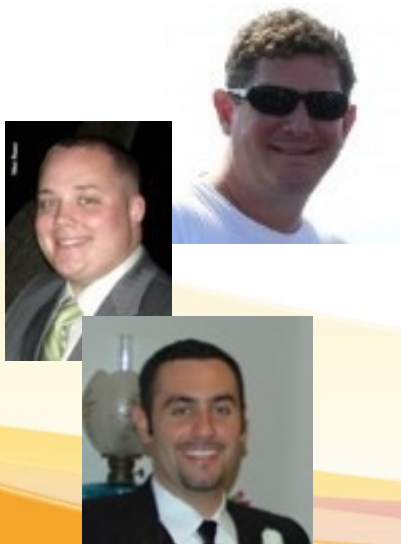
Product categories:

- Software**
- Messaging Applications**
- Advanced Messaging**
- [Lotus Notes](#)
- Editor**

Operating system(s): **Windows**

Software version: **7.0, 6.5.7, 8.0**

IBMers

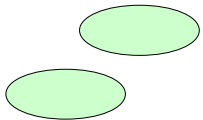


Wiki Posts/Comments

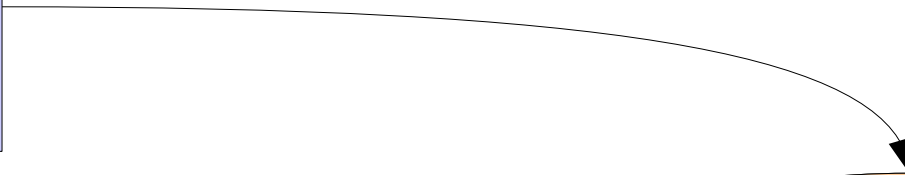


The notes.ini variable SetupLeaveServerTasks should be set to 1

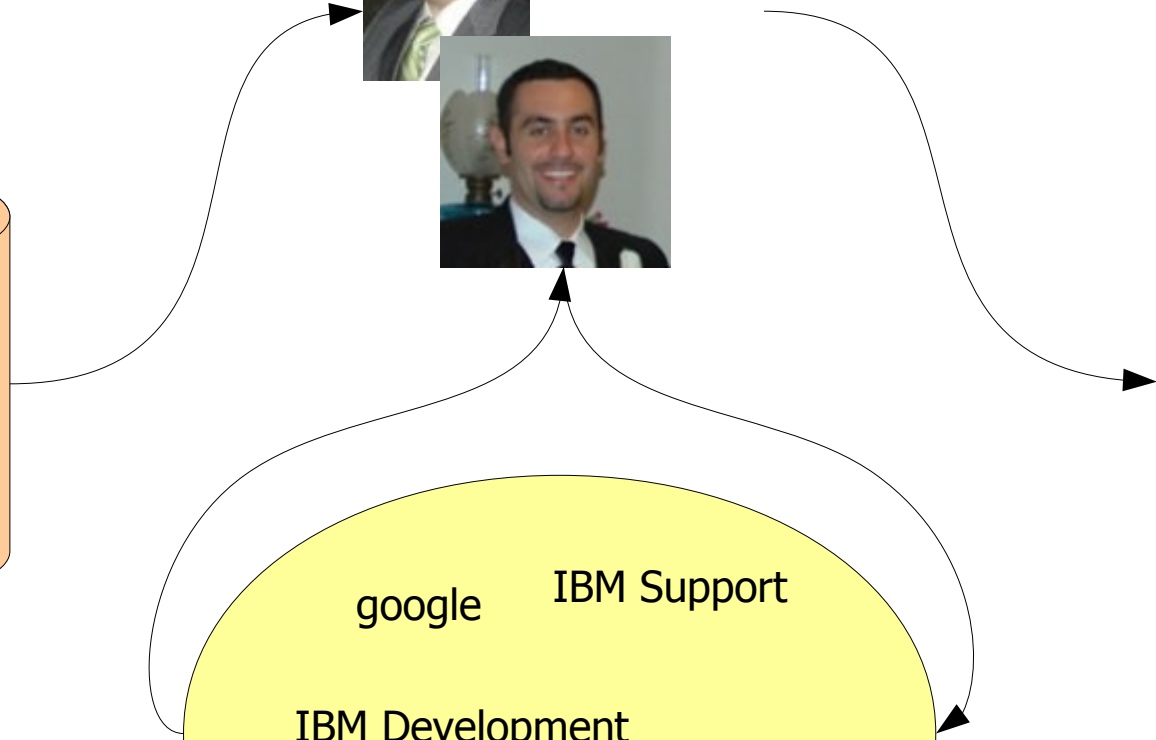
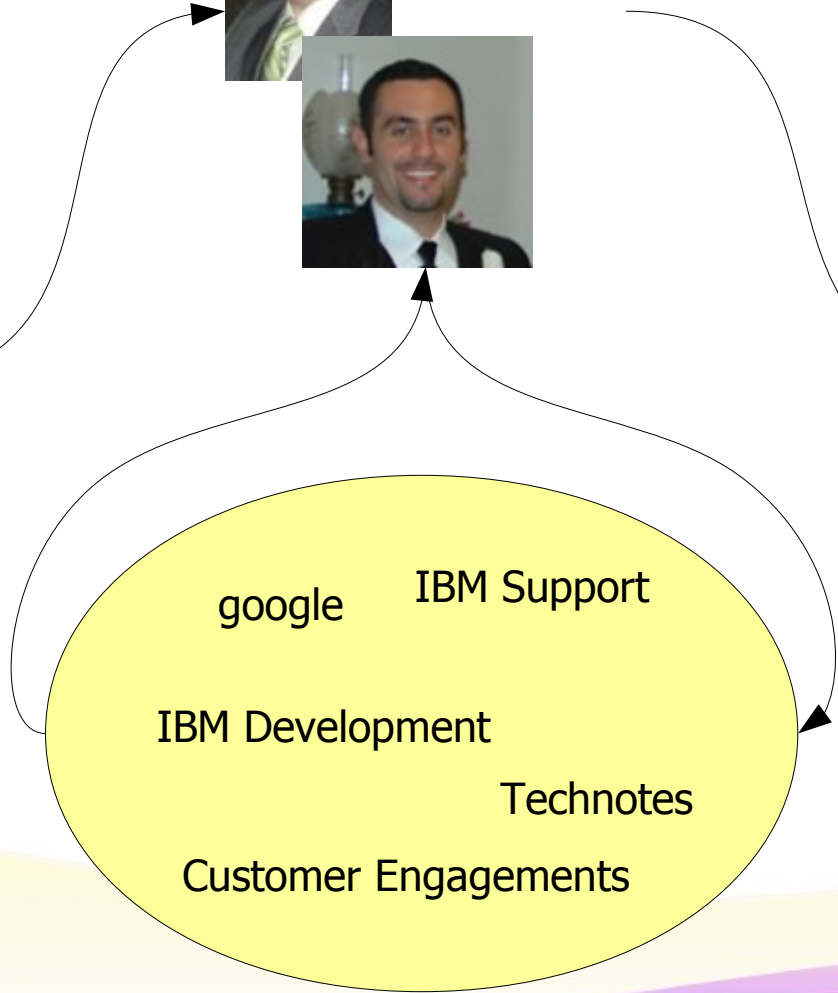
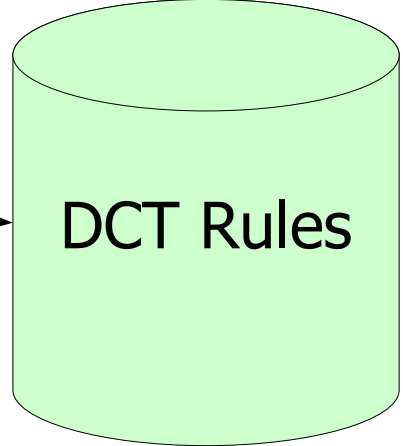
Transaction logging should be turned on in the Server Document



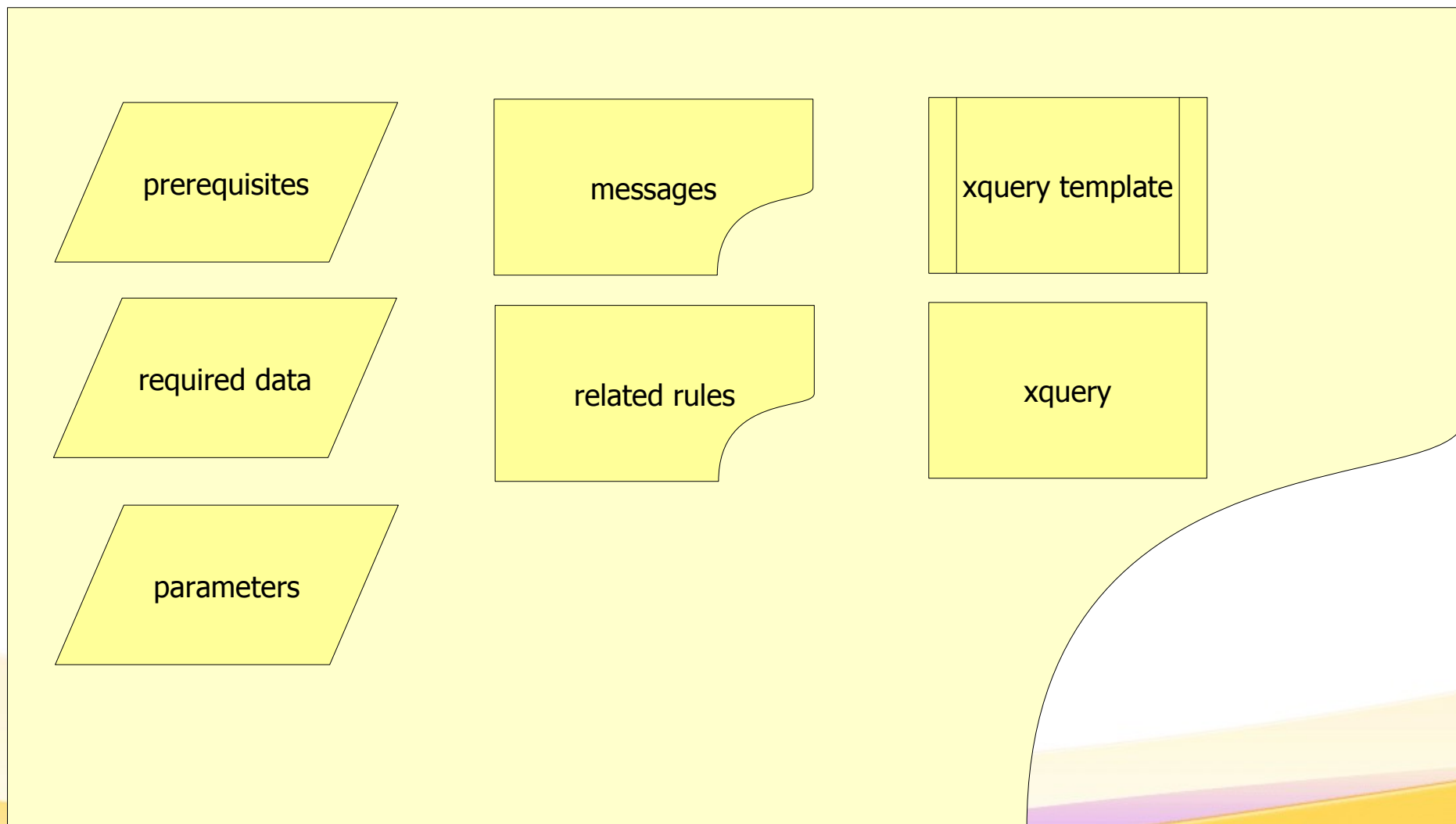
ODS level should be as high as possible for the server version



Domino Best Practices



DCT Rules



1.absent.err.exp

The '{setting}' setting is expected to be in {location}.

1.absent.err.rec

Add '{setting}' to {location}, with specified values.

1.absent.err

.exp

The '{setting}' setting is expected to be in {location}.

.rec

Add '{setting}' to {location}, with specified values.

SetupLeaveServerTasks.exp

Use SetupLeaveServerTasks=1 to ensure that the notes.ini 'servertasks' and 'servertasksat' parameters are not modified during an upgrade. Often it is necessary to change the ServerTasks lines from the default value - SetupLeaveServerTasks=1 will keep the Domino install from changing the ServerTasks lines back to their defaults (i.e. ServerTasksat1=Catalog, Design). This is especially useful for keeping the Design task out, and is helpful during upgrades.

SetupLeaveServerTasks.rec

Add SetupLeaveServerTasks by doing one of the following:

1. Visit the Notes.INI tab of the server configuration document and add the parameter 'SetupLeaveServerTasks=1' or
2. enter the command 'set config SetupLeaveServerTasks=1' at the server console

SetupLeaveServerTasks.wiki.link

Link URL: <http://www.lotus.com/ldd/dominowiki.nsf/dx/SetupLeaveServerTasks>

Link Type: Domino Wiki

Link Label: Best Practices

Link Title: Domino community opinion regarding 'SetupLeaveServerTasks'

SetupLeaveServerTasks.err

.exp

Use SetupLeaveServerTasks=1 to ensure that the notes.ini 'servertasks' and 'servertasksat' parameters are not modified during an upgrade...

.rec

Add SetupLeaveServerTasks by doing one of the following...

.link

Link URL: <http://www.lotus.com/idd/domino...>

Link Type: Domino Wiki

Link Label: Best Practices

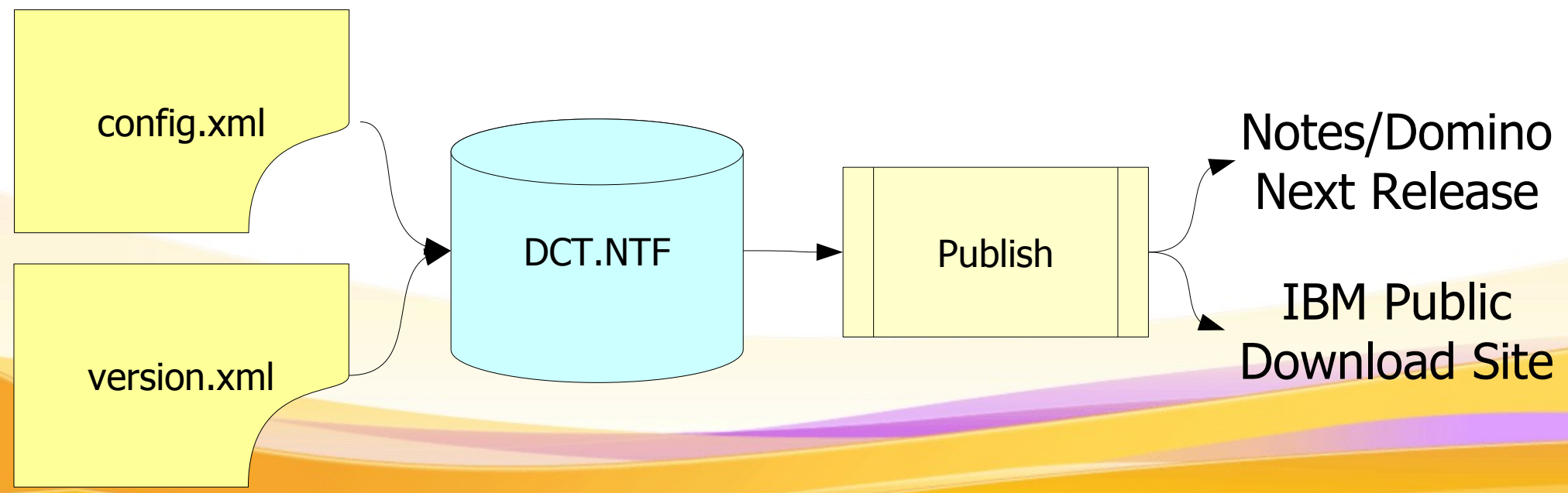
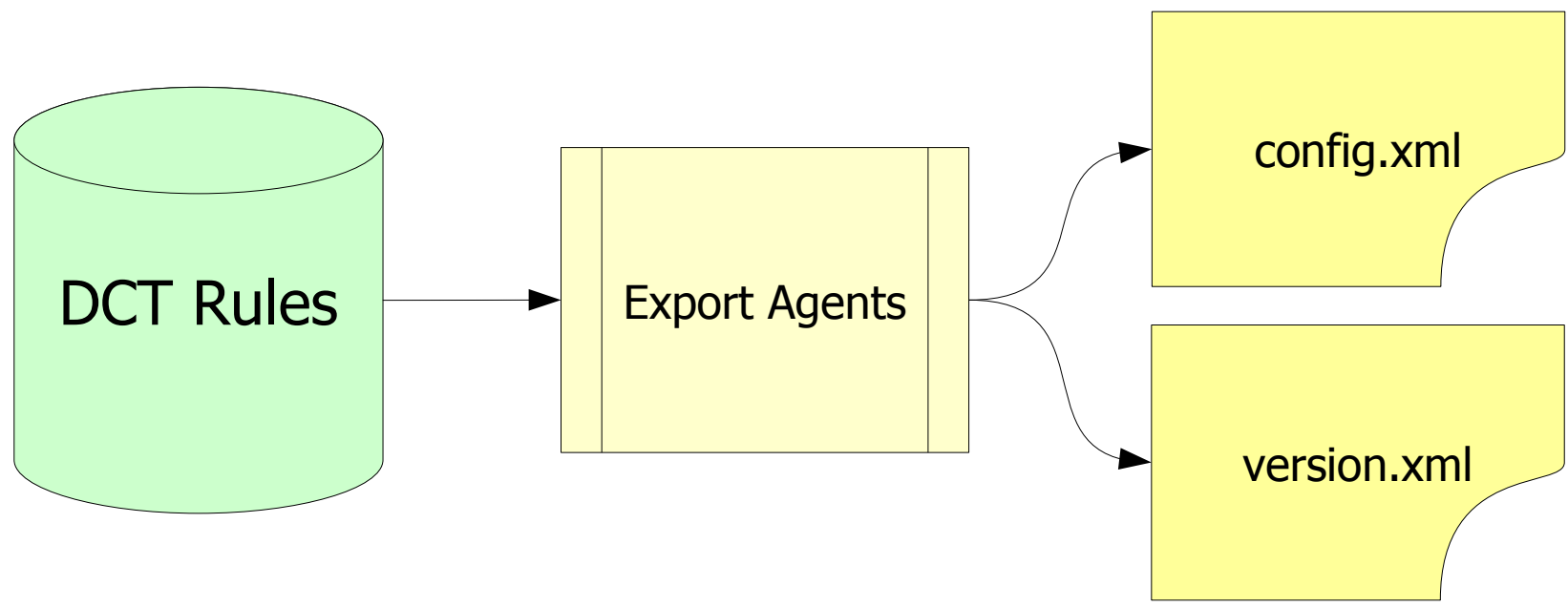
Link Title: Domino comm...

Setting Location: notes.ini

Recommended value: 1

Pseudo XQuery:

```
If SetupLeaveServerTasks is absent then
  1.absent.err
else
  if SetupLeaveServerTasks is <> 1 then
    SetupLeaveServerTasks.err
  else
    No Error
```



Notes/Admin Client 8.0 or higher

Servers 7.0 and higher

11_DCT - IBM Lotus Notes

File Edit View Create Actions Tools Window Help

11_DCT x

Address Search All Mail

Lotus Domino Configuration Tuner

11_DCT.nsf is on Local

Run New Scan View Results Check for Updates Preferences Help

Current Report Change | Delete | Run again

Test Rule Catalog 05/05/2009 10:51:16 AM EDT

Filtered by Server Change

Show reports for all servers Change

- Critical
 - notes.ini DEBUG_PD_NAGLE_OFF=1 will disable the TCP Nagle algorithm. When enabled the algorithm has undesired interaction with NRPC on some platforms (pre 8.5 exclusive)
 - notes.ini LOG_MAILROUTING specifies how much logging detail the mail router sends to the server console and log file
- Warning (High)
 - database ODS version should be as high as possible
 - notes.ini DONT_CACHE_MONITOR_FORMULAS=1 will prevent caching of mail rule formulas to reduce memory consumption.
 - notes.ini FTG_USE_SYS_MEMORY reduces memory fragmentation related to full text index searching (post 6.5.4 inclusive)
 - notes.ini FT_FLY_INDEX_OFF=1 will prevent on-the-fly full text index creation thereby reducing disk I/O and CPU consumption
 - notes.ini JournalLimitForwardToDomain eliminates some of the duplicate messages in the mail journaling database.
 - notes.ini JournalLimitForwardToMailAddress limits journaling of messages forwarded to a forwarding address specified in a person document
 - notes.ini JournalLimitForwardToSendCopyTo limits journaling of messages forwarded via a 'send copy to' mail rule.
 - notes.ini SERVER_NAME_LOOKUP_NO_UPDATE can prevent unnecessary Domino Directory views updates (post 8.0.1 inclusive)
 - notes.ini SMTPSavelmportErrors is a debugging parameter that saves a copy of inbound messages to text files
 - notes.ini UPDATE_FULLTEXT_THREAD enables using a separate thread to do full text indexing which can improve server performance.
- Warning (Low)
 - database property 'Compress database design' can reduce I/O

Status: The 'CREATE_R85_LOG' setting is currently absent from NOTES.INI.

Server: Ace/Iris running Domino 8.5 on Windows/2003 5.2 Intel

Severity: Warning (Low)

Explanation

The 'CREATE_R85_LOG' setting optimizes the format of the transaction log for operating systems where the block size is different than the default block size of 512 bytes.

Recommendations

Bring down the server. Back up existing transaction logs, then delete them. Set Create_R85_Log=1 in the server NOTES.INI and restart the Domino server to have new logs created using the updated format. The new logs will have properly aligned I/O blocks. There is no need to verify the current block size. Domino will correctly format the log even if the block size is 512.

Links & References

[Notes.ini settings on developerWorks: "Lotus Notes/Domino Notes.ini settings"](#) (Source: IBM developerWorks)

[Domino Help: Setting up transaction logging](#) (Source: Lotus Product Documentation)

Online

Lotus Domino Configuration Tuner

DCT.nsf is on Local (Rule Definitions: 03/02/2010)



Run New Scan



View Results



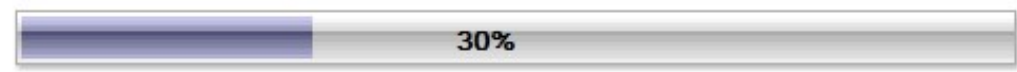
Check for Updates



Preferences



Help



Woohoo! New updates are available!

Available updates:	Update available as of:	Currently installed version:
Rule definitions	3/2/2010 7:52:42 PM	1/15/2010 7:52:42 PM
DCT Template	3/2/2010 7:49:47 PM	12/3/2009 9:08:23 AM

We recommend that you download these newest updates

[view license](#)

Lotus Domino Configuration Tuner

DCT.nsf is on Local (Rule Definitions: 07/20/2009)



Run New
Scan



View
Results



Check for
Updates



Preferences



Help

100%

- Checking the IBM web site for available updates...OK
- Downloading new Rule definitions, please wait...OK



Update successfully installed!

You are now using the latest updates.

Important: You need to close and re-open this application for the updates to take effect.

Included in Domino Administration Client install

Freely available for download [here](#)

Updates are available from within the application



Resources

- [Download DCT](#)
- [Notes/Domino Wiki DCT Entry](#)
- ['Tuner Blog](#)
- [DCT Video Tour](#)

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Questions?