Agenda Key: 22FH Session #: 540047

What's New in Notes & Domino 8.5.X

Kim Greene

kim@kimgreene.com 507-367-2888

Skype/Twitter: iSeriesDomino

Amy Hoerle

ahoerle@kimgreene.com 507-775-2174

Skype/Twitter: iLotusDomino

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Kim Greene - Introduction

- Owner of Kim Greene Consulting, Inc.
- Extensive iSeries background
- Services offered include:
 - System and application performance optimization
 - Administration
 - Upgrades
 - Troubleshooting
 - Health, performance, security, etc. checks
 - Migrations
 - · Custom development
 - · Enterprise integration
- Technical writer for Systems Magazine, IBM i Edition
- Blog: www.bleedyellow.com/blogs/dominodiva
- Twitter: iSeriesDomino

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Amy Hoerle - Introduction

- 1st "real" job was as an AS/400 administrator in 1997
- Worked on IBM Lotus Domino support team for 11 ½ years
- Specializing in Lotus products on IBM i & Windows since 1999
 - Installing, configuring, tuning, debugging and troubleshooting
- DAOS expert
- Xpages development
- Author of numerous technotes, articles and the "Optimizing Domino Administration" IBM Redbooks Wiki
- Blog: www.bleedyellow.com/blogs/ilotusdomino
- Twitter: iLotusDomino

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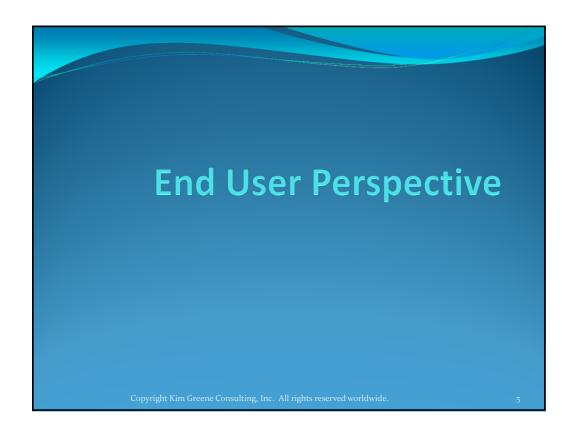
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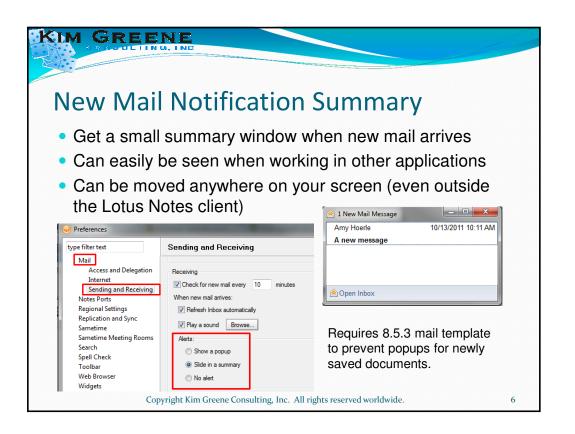
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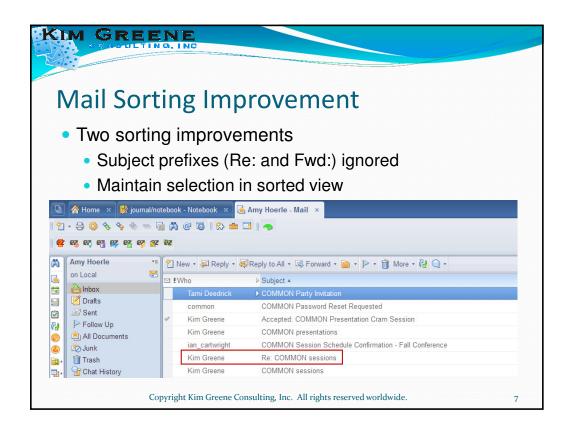
What's New in 8.5.x?

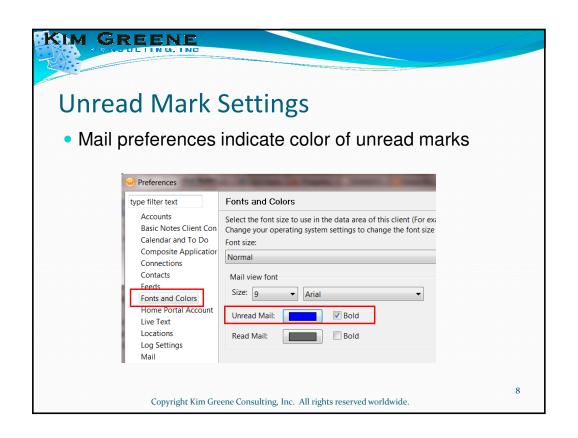
- A look into the new features for:
 - End User Perspective
 - Client Management
 - Server Enhancements
 - Traveler Enhancements
 - Designer Enhancements
 - 8.5.3 Upgrade Pack 1
- A peek into the future

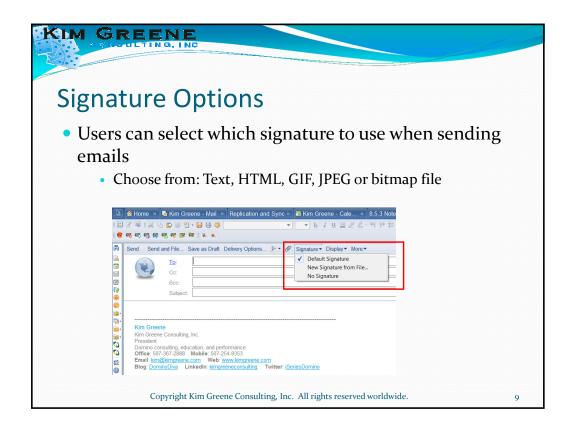
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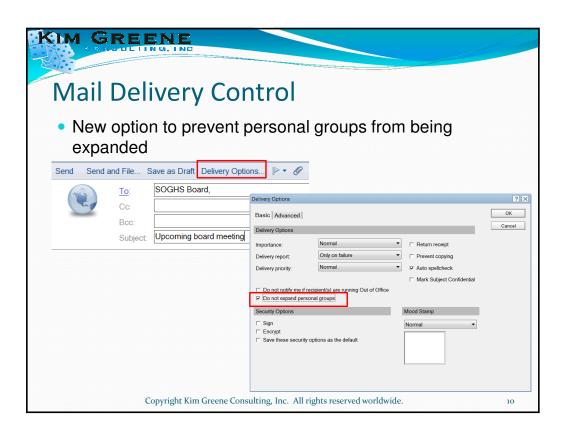


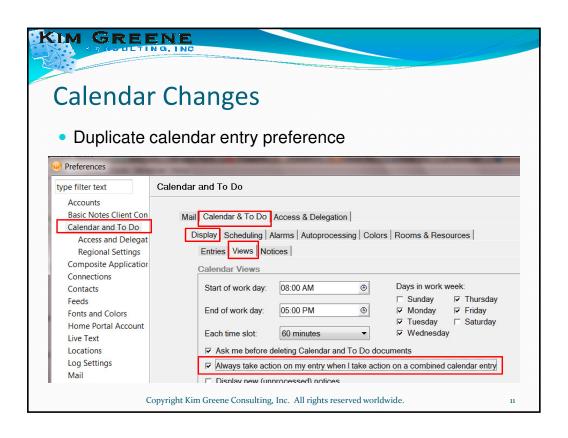


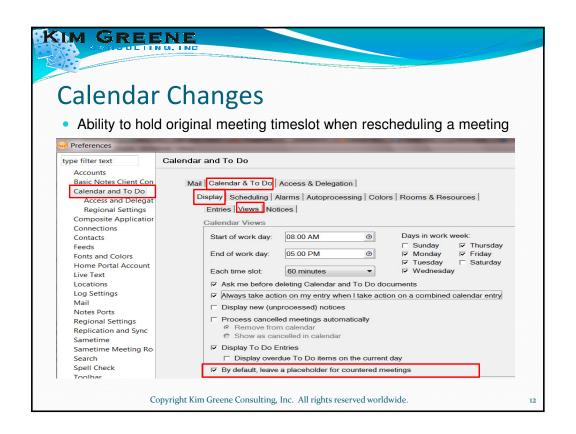


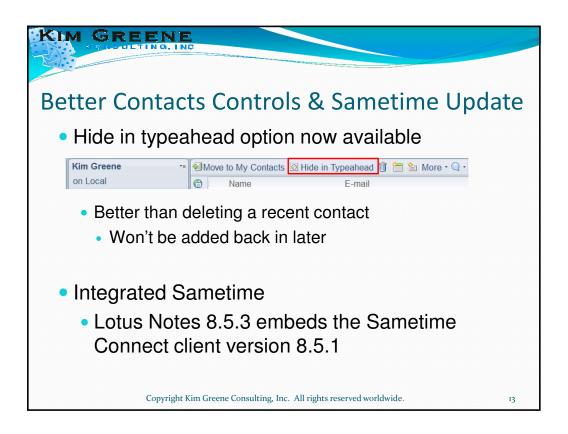


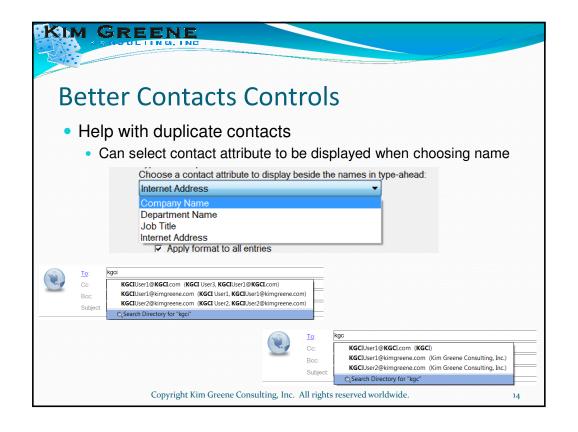












Client Management

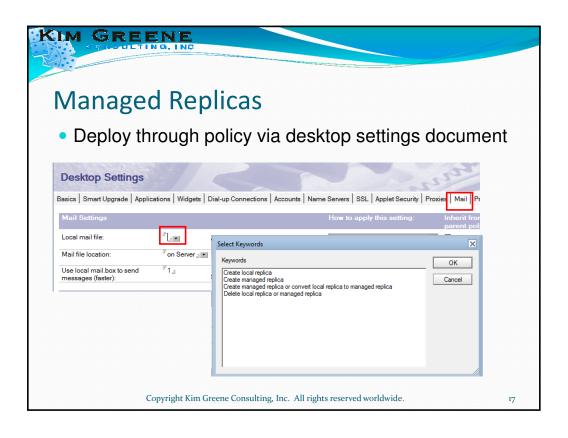
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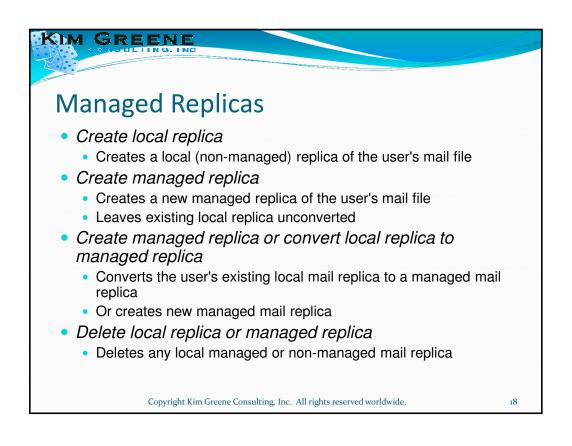
Managed Mail Replicas

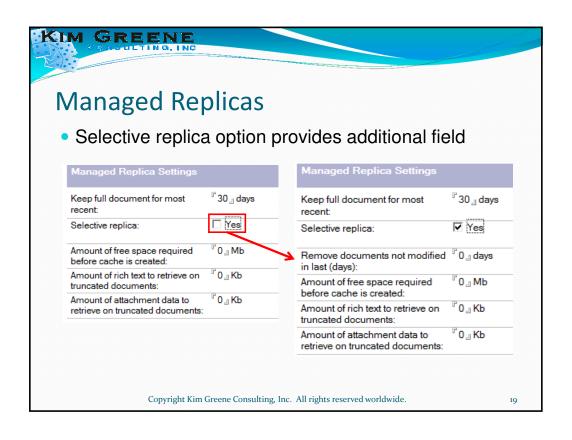


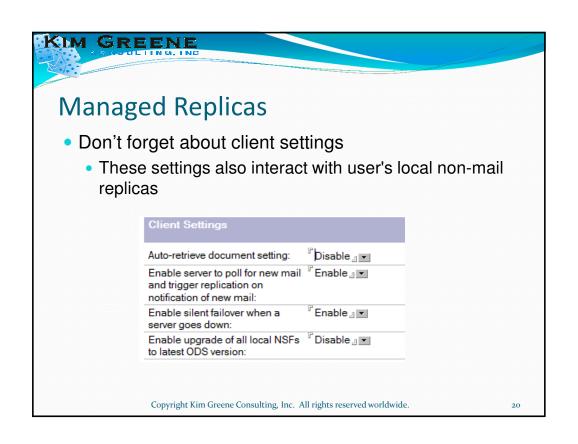
- Improvement on local mail replicas
 - Notes client does the work
 - · Creates, populates, synchronizes managed replica
 - Automatic correction for corruption
 - Notes client runs fixup
 - Notes client can delete and recreate local replica
 - User seamlessly redirected to server replica
 - Control space usage
 - Truncation of large documents until retrieved by user
 - Limits # of days of mail replicated locally
 - See tech note #21437957

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ODS Upgrade of Local Databases

- Force Notes client to upgrade ODS of local databases
 - Essential databases done on Notes client startup
 - Non-essential (most) databases upgraded in background
- Deploy through policy via desktop settings document
 - Mail tab
 - "Enable upgrade of all local NSFs to latest ODS version"
 - Requires Domino Directory to be at 8.5.2
- See tech note #1429889

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Client Upgrade Enhancements

- Smart Upgrade RunAs
 - Now works with Windows 7 & Vista
- New MUMA tool
 - Multi-User Migration Assistant
 - Switch single user to multi-user installation
 - Works with 6.5.x, 7.x, and 8.x client installations
 - Works for both Notes basic and standard configurations

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Server Enhancements Copyright Kim Greene Consulting, Inc. All rights reserved worldwide.

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Adminp, Calendars & Renames

- Adminp improvement for renames
 - User renames performed in all user's mail files
 - Works with custom applications too
 - Renames occur in more places
 - Database ACLs
 - Calendar profiles
 - C&S documents
 - No longer dependent on advanced ACL setting "Modify all Names fields"
 - Tips:
 - Requires mail servers to be at 8.5.3
 - · Don't forget to upgrade design of admin4.nsf

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Full Text Index Directory

- Option to move full text indexes to different storage
- Enable with notes.ini parameter
 - FTBasePath=
 - To migrate full text indexes to a separate disk:
 - Set notes.ini FTBasePath=
 - Run updall -f to rebuild all full text indexes
 - Automatically deletes old full text indexes and re-creates on new drive

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Purge Interval Replication Control (PIRC)

- Way to prevent old deleted documents from being recreated if replication is disabled for a long period of time
- Affects many areas of Domino
 - Replication
 - Database Properties
 - Compact
 - Fixup
 - "Show directory" console command
 - DDM

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How PIRC Works

- Method 1 "since time" used by replicator
 - 8.5.3 PIRC aware servers use later of these two:
 - PIRC date
 - "Since time" contained in replication history
- Method 2 compare document SequenceTime to PIRC date
 - If SequenceTime older than PIRC date = no replication
 - Skipped documents logged in DDM

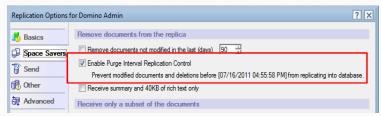
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Enabling PIRC

- PIRC can be enabled via the database properties or with the compact command
 - Database Property (Replication settings)



 Load compact database –pirc on Informational, PIRC has been enabled for database mail/dadmin.nsf.

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Is PIRC enabled?

 Show Directory verifies which databases have PIRC enabled with –pirconly parameter

```
[084795:44436:00009-000001E3] > sh dir -pirconly
[084795:44436:00009-000001E3] DNAME

Version Log DAOS PIRC ---Modified Time---
[084795:44436:00009-000001E3] /domserver1/data/mail/lmail.nsf
V6 Yes No On 10/14/2011 17:46:48
[084795:44436:00009-000001E3] /domserver1/data/mail/ame.nsf
V8 Yes No On 10/14/2011 17:46:48
[084795:44436:00009-000001E3] /domserver1/data/mail/juser.nsf
V6 Yes No On 10/14/2011 17:46:48
[084795:44436:00009-000001E3] /domserver1/data/mail/hdesk.nsf
V6 Yes No On 10/14/2011 17:46:48
[084795:44436:00009-000001E3] /domserver1/data/mail/uone.nsf
V6 Yes No On 10/14/2011 17:46:48
[084795:44436:00009-000001E3] /domserver1/data/mail/uone.nsf
V6 Yes No On 10/14/2011 17:46:48
[084795:44436:00009-000001E3] /domserver1/data/mail/dadmin.nsf
V8 Yes No On 10/14/2011 17:49:16
[084795:44436:00009-000001E3] Total files: 6
```

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PIRC Replication Changes

- What happens when a client or server attempts to replicate in an old document?
 - Document is not allowed to replicate
 - DDM event is generated recording document ids that did not replicate
- Tip:
 - Make sure all documents are replicated in to a database before enabling PIRC

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Overriding PIRC

- Can override PIRC setting on a database
 - Use new replicator switch
 - -NOPIRC
 - Sets replication history "since time" to zero for this one replication
 - Enables full replication between databases being replicated
- Requirements:
 - Administrator of server
 - Need to have create replica authority on the server

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PIRC and Design Element Replication

- What happens when replacing or updating a database design?
 - New Design Modification TimeDate has been added
 - Allows PIRC enabled databases to have their design replicate properly

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DDM PIRC Events

- DDM event created when non-PIRC server tries to replicate in old documents
 - "PIRC Warning: Replicator skipped <x> data document(s) in <database name>
 from <server name>"
- DDM event when database attempts to push old documents into a PIRC enabled database
 - "PIRC Warning: Replicator skipped <x> data document(s) in <database name> from <server name>"
 - "PIRC Warning: Replicator skipped <x> non-data document(s) in <database name> from <server name>"
- DDM event when –NOPIRC is used
 - "PIRC override for DB <database name>"

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Fixup and PIRC

- Fixup puts UNID of deleted document in special object contained in PIRC enabled database
 - Allows corrupted document to be cleaned up and replicated in from "good" replica of database
 - DDM events related to fixup and PIRC
 - "Warning: Fixup purged corrupt document UNID (:) from <servername>"
 - "Warning: Replication restored document UNID (:) from <servername>"
 - "Warning: Replication did not restore corrupt document, time expired, UNID (:) from <servername>"

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PIRC Debug

- DEBUG REPL PIRC=1
 - Display PIRC date and summary information for documents not allowed to replicate
- DEBUG_REPL_PIRC=2 or greater
 - Provides details about the documents being blocked by PIRC

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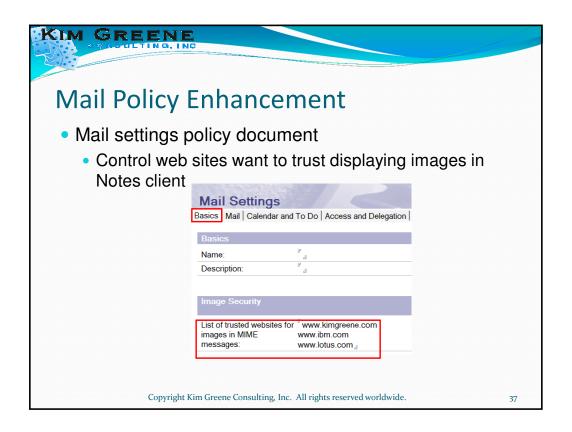
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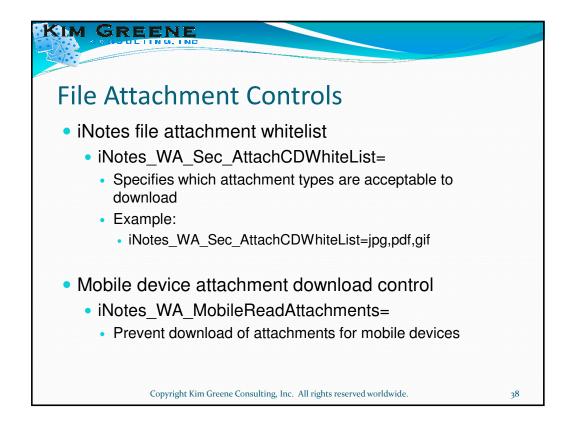
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PIRC Tips

- Remember to PIRC enable all replicas of a database
- To PIRC enable multiple databases:
 - Use Administration client
 - Use indirect file

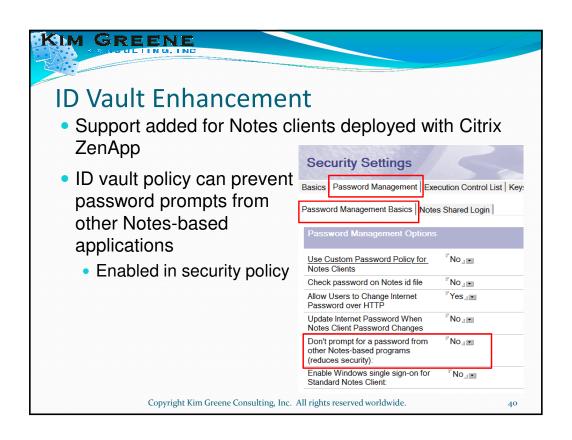
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New Defaults In 8.5.3 new default values are defined for the following notes.ini settings: DEBUG_THREADID=1 CONSOLE_LOG_MAX_KBYTES=10240

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XWork Server

- Based on Utility Server license with restrictions
 - 4 applications
 - 4 .nsfs per application
 - Replication limited to other XWork servers
- Competitively priced offering to leverage XPages technology
- Target audience:
 - BPs
 - ISVs

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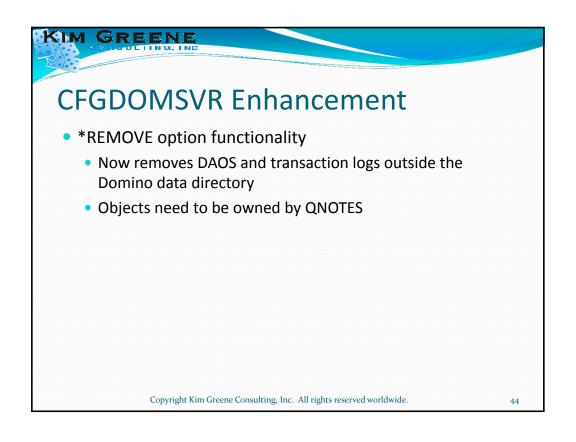
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BRMS Save While Active with .nlos

- Domino now allowed access to .nlo files during save while active
- Requires .nlo files to have *ALWCKPRWT attribute set
 - Use CHGATR command to modify .nlo files
 - CHGATR OBJ('/Domino/DAOS/*') ATR(*ALWCKPWRT) VALUE(*YES) SUBTREE(*ALL)
- NOTE: Also in 8.5.2 FP2

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Directory Assistance Replica New option in 8.5.2 to create replica of Directory Assistance when configuring a new server 8.5.2 failed to create replica Support available now in 8.5.3 Register New Server(s) Basics SSL Information Internet certifier [Not Assigned] Server keyring password: Server hostname DB2 Information This server is a DB2 Access server only Directory Assistance Information Replicate existing Directory Assistance database from: Copyright Kim Greene Consulting, Inc. All rights reserved worldwide. 43



Traveler Enhancements

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Apple Traveler Enhancements

- 8.5.3
 - Apple iOS partial wipe of traveler only
 - Group name and Mail-in database lookup
 - Select which applications are allowed to sync to Apple devices
 - Reply and Forward indicators from Apple devices
- 8.5.3.1 & iOS 5
 - Ability to create, rename, move and delete mail from folders
 - Requires AS_ALLOW_DS_FOLDER_CHANGES set to true in NTSConfig.xml
 - Follow up flags

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Android Traveler Enhancements

- 8.5.3
 - Home Page widgets for mail and calendar
 - Invite, creation, quick switch days/weeks, week view hints
 - Copy/paste & send button when composing messages
 - Android OS 3.x support
- Nokia Symbian 3 support

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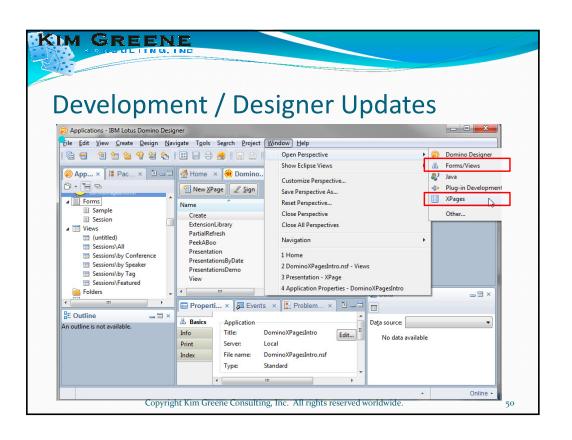
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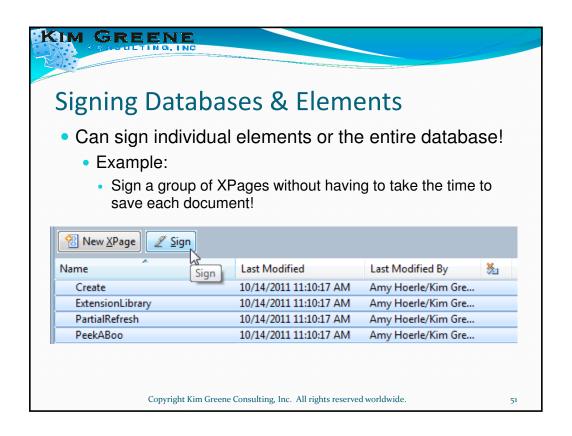
Traveler Defrag Enhancement

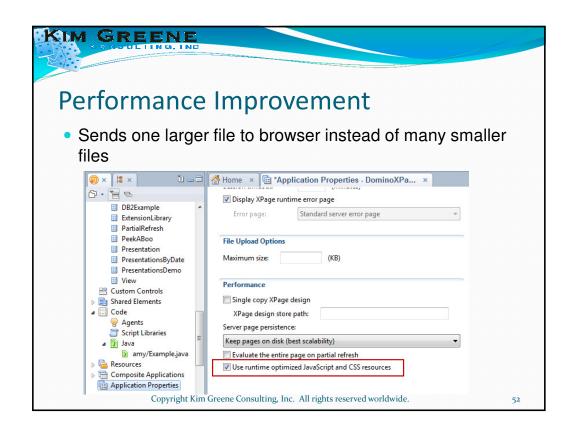
- Requires Traveler 8.5.2.4 or 8.5.3.1
- New Notes.ini parameters
 - NTS_DEFRAG_INTERVAL_DAYS=<# of days>
 - NTS_LAST_DEFRAG=<timestamp of last defrag>
- Defrag will automatically run if NTF_LAST_DEFRAG doesn't exist or if the # days past the last run is greater than the defined interval
- Defrag a minimum of every 30 days for optimal traveler server performance

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Preloading XPages Applications

- By preloading the XPage the first user to access the XPage does not need to wait for the page to build
- Java classes can be loaded across the network for remote applications prior to the first user access
- Can be set for both clients and servers
 - XPagesPreload=1
 - XPagesPreloadDB=myServer!!myDb.nsf/myXPage.xs p,myLocalDb.nsf/test.xsp

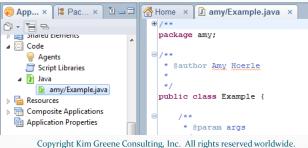
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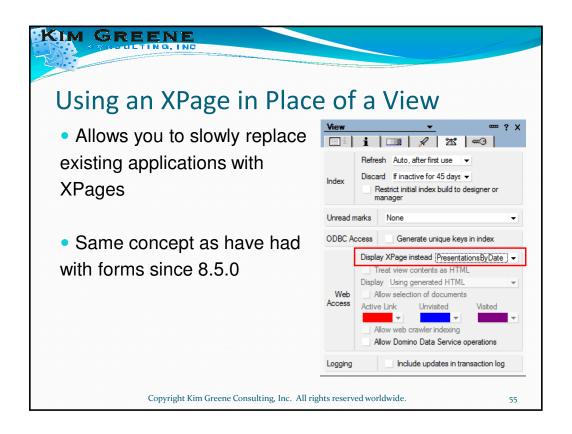
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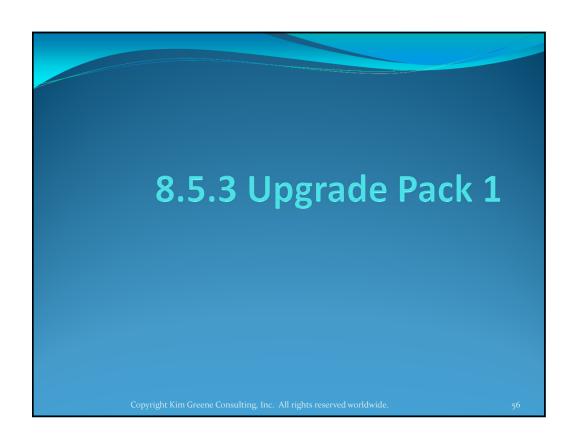
Better JavaScript & Java Development

- Updated JavaScript editor
- New Java design element
 - Easier to create your own Java classes
 - Opens the standard Java editor
- Still need to use package explorer to import .jar files



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Extension Library vs. Upgrade Pack

- Upgrade Pack
 - Fully supported by IBM
 - Follows traditional IBM release schedules
 - Subset of features in the XPages Extension Library
 - Obtain via Passport Advantage
- Extension Library
 - Open Source
 - Frequent release schedule
 - Obtain from http://extlib.openntf.com

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New Templates!

- XPage updates that require the extension library or Upgrade pack
- Full online mobile support!
 - Discussion
 - Document Library
 - TeamRoom
- Try them yourself at domtest5.idevcloud.com
 - User: Common
 - Password: common2012

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