



# PANAGENDA

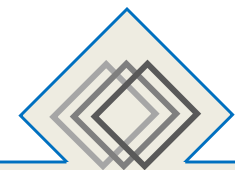
**State-of-the-art solutions for  
IBM Lotus Notes / Domino**  
expect the unexpected



- Headquartered in Vienna, Austria
  - » Strong Business Partners around the globe  
Acocon, Advantix CH, Axceler USA&UK, Capricorn, edcom, Gaia Brazil, GIS, Group Business Software, IBM, I-CON, MartinScott USA, ND Russia, Penumbra, Random Computing Australia, SP-Integration, Symfoni Software, TwentyOne, ULC, We4IT, WebGate CH, Workflow Studios, Workplace Consulting ...
- **Products**
  - » **Lotus Notes Client Management**  
panagenda MarvelClient :: 99% Manageability
  - » **Lotus Notes Attachment Management**  
panagenda MarvelZip :: Zip+Unzip+Blocking
  - » **(not „just“ Domino) Server Monitoring & Reporting**  
panagenda greenLight :: Realtime & Longterm
  - » **Adobe Flex Integration for IBM Lotus Domino**  
amongst others licensed by Adobe Germany
- 2+ million licensed modules
  - » Customers in over 40 countries

**MARVEL**

**greenLight**



- Proud Penumbra Member
  - » <http://www.penumbra.org>



- IBM
  - » Business Partner
  - » Design Partner



- Adobe



- VMWare



- RIM / Blackberry



- Microsoft



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- Arizona Chemical
- CiCi's Pizza
- XTO Energy
- ImageNow
- Underwriter Laboratories
- NEC
- German Military
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- Olympus
- Franke
- Nycomed
- Banking
  - » Raiffeisen
  - » Volksbanken
  - » Sparkassen
  - » Credit Agricole
- Hamamatsu
- Fujitsu Siemens
- First Ukrainian International Bank
- Witte Automotive
- Shipyarding
  - » Blohm & Voss
  - » Leif Höegh
  - » Møgster





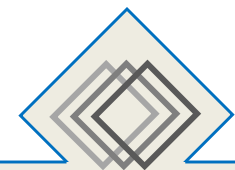
# PANAGENDA MARVELCLIENT

The world's fastest and leading  
**Client Management Solution**  
for IBM Lotus Notes

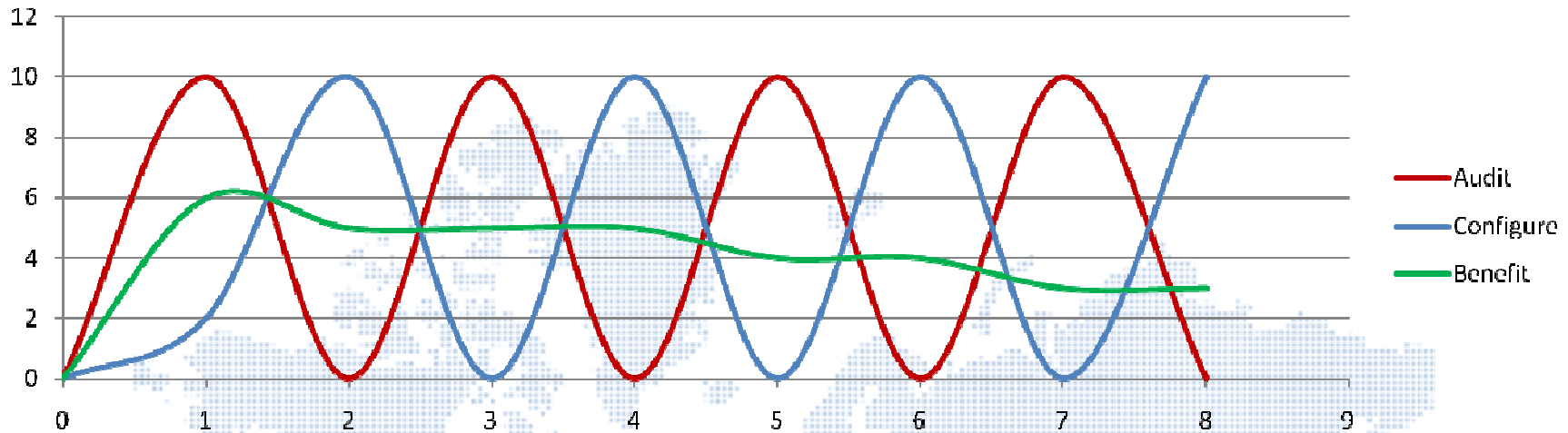
**Lotus** software

## Central Lotus Notes Client Management Solution for

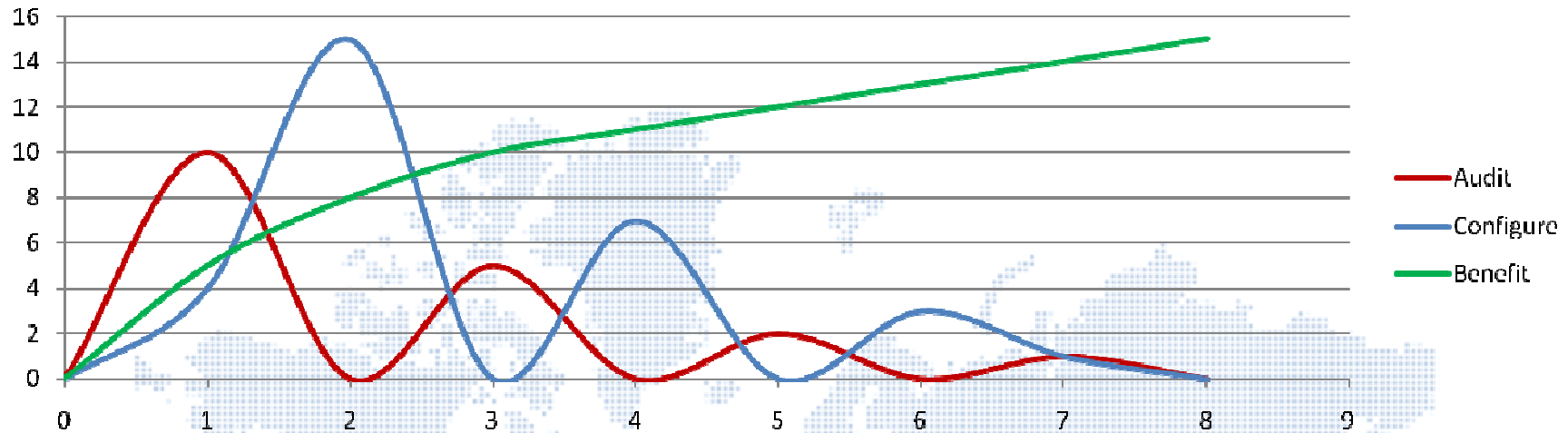
- Workspace pages & Desktop icons, Bookmarks, notes.ini, Toolbars, Local replicas, Locations, Connections, ECL, ... („99%“)
- Notes 5.x, 6.x, 7.x, 8.x (Basic & Eclipse)
  - » Any install type (local, network, single & multi-user)
  - » All Languages
  - » Domino 5.x and up on any OS
- All Client Operating Systems (as supported by IBM)
  - » Windows (NT4SP2, 2K, 2003, XP, Vista, 7) & Citrix
  - » Linux (Ubuntu, RedHat, Suse)
  - » Mac OS X



- **The one** Lotus Notes Client Management Solution
  - » Most comprehensive
  - » Value for money for a rich variety of business cases
  - » Scalable
  - » Painless (in other words: fast & reliable)
  - » Without End user interaction
  - » With as little tracking & tracing as possible
- **True and ongoing cost savings, quick ROI**
  - » Typical ROI between 2 and 6 months
- Solution for one-time and in particular **permanent problem solving – if not prevention**

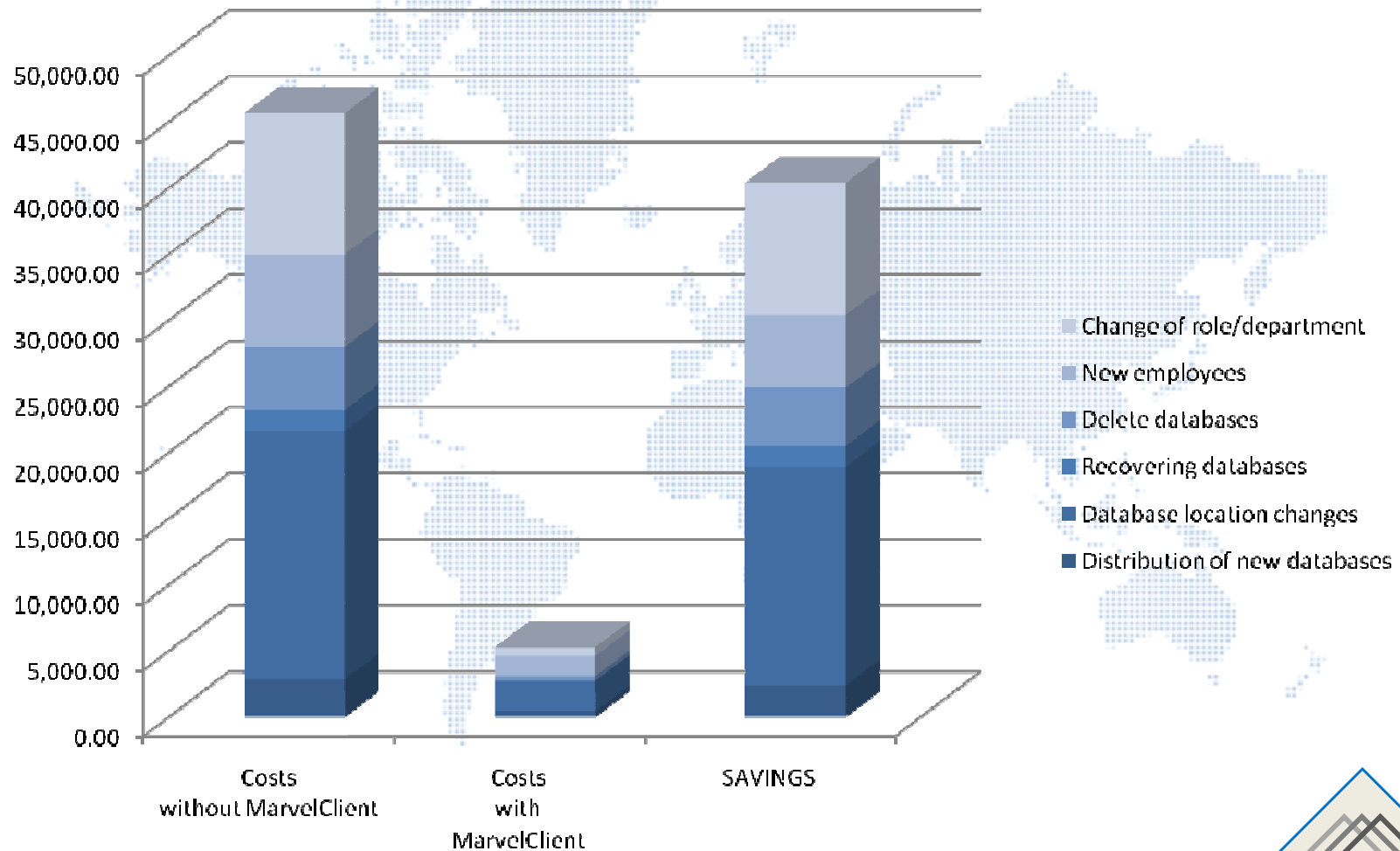


- Most prospects ask for *a tool to manage clients from remote*
- Remote management only saves the time to leave ones desk
  - » 1,000 helpdesk calls remain 1,000 management incidents
  - » **Repeated efforts** lead to **limited, over time decreasing** benefits



- MarvelClient is designed similar to an email spam-filter:  
**A single (1) centrally created action automatically solves all relevant helpdesk incidents automatically**
- Permanently enforced actions **save time and money continuously**
  - » **Decreasing efforts** lead to **increasing benefits**
  - » Can help reduce helpdesk calls by up to 80%

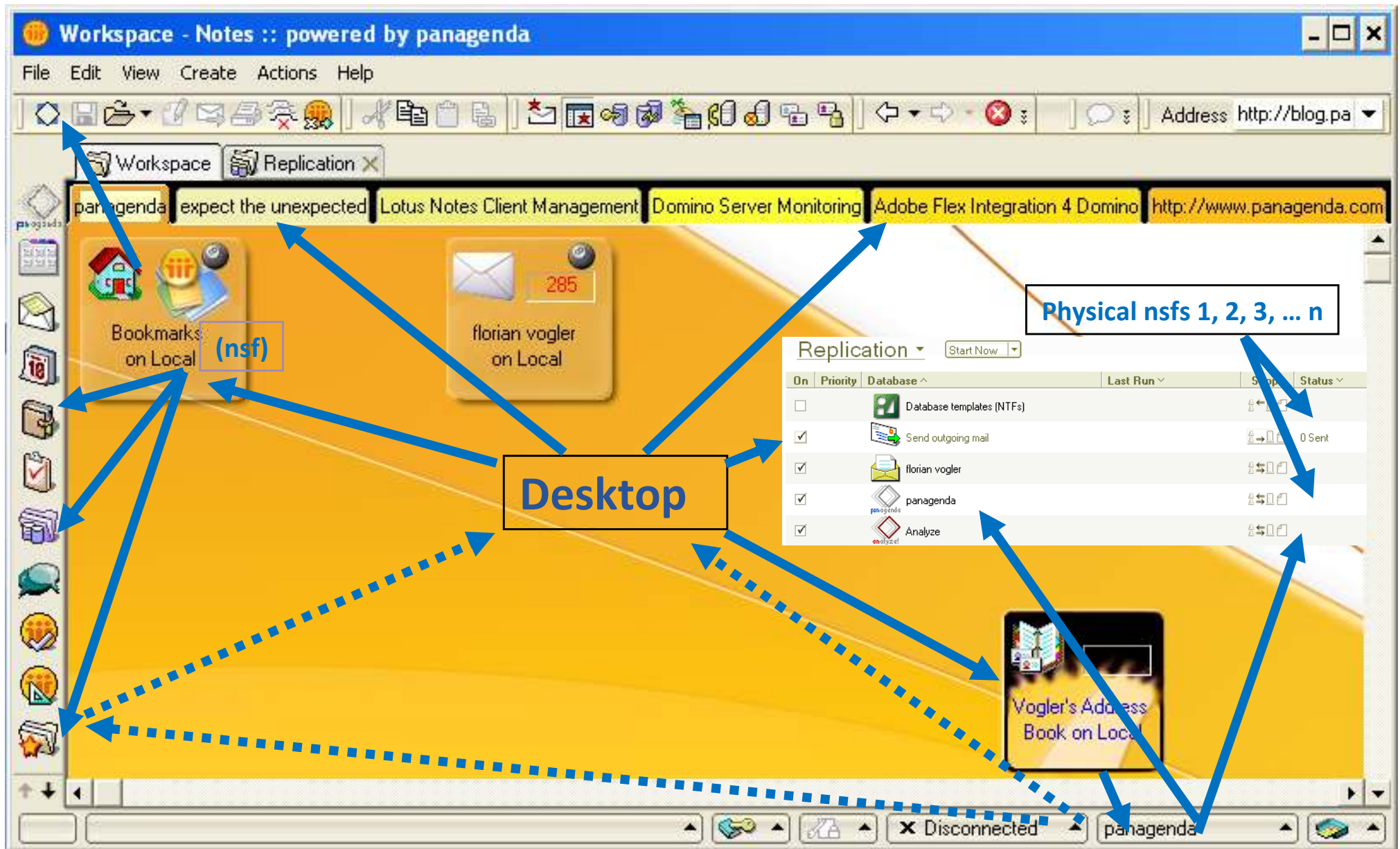
**With MarvelClient, operational costs related to Lotus Notes can be reduced to as little as 10% in its respective fields of application**





# BASIC CLIENT MANAGEMENT CHALLENGES

<#>



- Hardware
- Install types
  - » Desktop, Laptop, Citrix, local, network, „XP User/Roaming Profile“
- Notes.ini
  - » Port-Settings (e.g. compression)
  - » EXTMGR\_ADDINS, e.g. Local Virus Scanner, Sync-Software, ...
- Connection documents
- Locations: Mail-/Homeserver
- Locations: Catalogserver (otherwise Homeserver)
  - » Catalog.nsf on Home- or Catalogserver

- > 500+ XML files (depending on install)
- Sidebar Plugins, Widgets, Websphere, DB2(2NSF)
- Web-Access
- Java<sup>2</sup>  
(in addition to LotusScript, HTML, Javascript, ...)
- Composite Applications
- Sametime, Quicker, Activities etc.
- SAP, Blackberry, Oracle / Informix / „SQL“, ...

## MarvelClient is *the one* ...

- **Fastest**
  - » enforce 200+ icons per second
  - » change up to 3,000 links per second
  - » What other products do in minutes, we do in seconds
- **Most used & proven**
  - » Based on longest client management experience in the market
  - » 2+ million licensed *and used* modules
  - » Large consolidation and migration projects
    - 120,000 users, 200,000 replicas from 200 → 40 Domino servers
    - 140,000 users, 250,000 replicas from 1,300 → 90 Domino servers
- **Most versatile**

... **Client Management solution.**

- „Can I ...“
  - » Add, move, clear, rename, recolor, remove **workspace pages**?
  - » Add, position, remove, and control stack order of **desktop icons**?
  - » Precisely manage **local replicas** along with **replicator page settings**?
  - » Add, change (field level), remove **location & connection** documents?
  - » Add, change, remove **notes.ini** entries and **ECL** settings?
  - » Manage **toolbars**?
  - » **Monitor client configurations**, optionally including Hard- & Software?
  - » **Roam** an entire client configuration with as little as 2-4 MB?
  - » Ease **Recertification, Migration, Consolidation**?
  - » Do even **more** than all of the above?





- **Transparency – Gaining Insight**

- » What does it **really** look like „out there“?
- » Compare Status Quo <> Target/Goal

- **Mass changes** (up to 3,000 per second)

- » Recertification, Migration, Consolidation

- **Persistence – Saving Time *and* Money**

- » 365 days vs. just „Day 1“
- » Automatic problem solving (e.g. Spamfilter) → DEMO

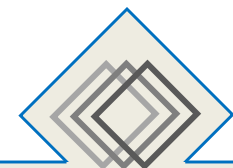
- **Realtime**

- » Problem prevention vs. Problem solving;  
== connect (especially traveling) end users with the right / nearest servers (supports Hibernation); dynamically restrict database creation or deletion

- **Roaming**

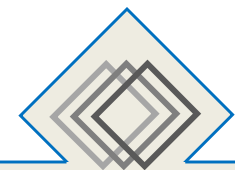
- **95+5% ...**

Module / Suite
Analyze
Migrate
Manage
Realtime
Roaming





- 90-95% work „somehow“
  - » Training, Helpdesk, IT skilled end users, ...
  - » **Still huge Potential for cost savings** (e.g. 80% less helpdesk calls)
- **The remaining 5-10%, however, require 75+% of all subsequent efforts** (manual / individual)
  - » E.g. sending a Notes 8 upgrade package to all clients → fixing all „problem“-clients requires 75% of the entire project time & efforts
- **NOTE: Virtually 100% of all VIPs are part of the „5-10%“**
  - High frustration on Management-Level
  - High willingness to Migrate  
(**away** from Notes; not originally to another product!)



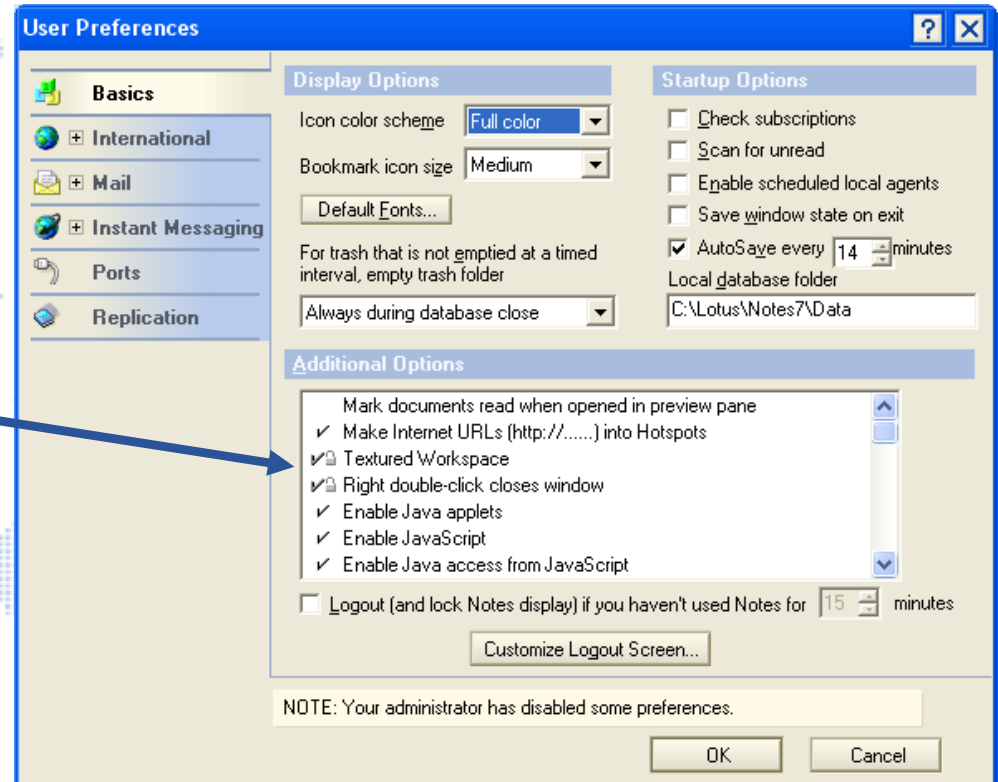
- The following Policies are good ...

- » Registration
- » Mail & Calender
- » Mail-Archive
- » Security

- Lockdown is PERFECT!

- The following Policies are rather weak

- » Setup („Day 1“)
- » Desktop
- » Why? ...



- Policies are not „environmentally aware“ (only User)
- Somewhere is nowhere – user calling helpdesk:
  - Q: „I cannot find database XYZ.“
  - A: „It has to be there somewhere.“
- Onetime (hope springs eternal) vs. Persistent (Reliability is king)
- Erben und Vererben erinnern an das Steuergesetz
- Many things are not manageable at all, for example
  - » Location- and connection documents
  - » Enforced replicator page settings, Toolbars
  - » Mass changes

- Easiest form of migration =  
for every old server → 1 new server = zero savings
- The most requested (and desperately needed) form =  
n old servers → m new servers,  $n > m$
- Recertifying servers and moving single databases freely both  
have **massive effects** on clients:
  - » Example 1: 1,000 Mailfiles, 500 application *replicas*  
1,500 moves to 1,000 users = **1,500,000 change instructions**  
(sending all changes to all clients in order to also include delegates!)
  - » Example 2: 100,000 Mailfiles, 50.000 application *replicas*  
 $150,000 * 100,000 = 15,000,000,000$  (trillion!) change instructions

- ... unfortunately **does not help with migrations ...**
  - » Changes are only applied when actually accessing an old server
  - Old server must be kept up and running until even the very last user has been redirected;  
this can take months (or one does not care after a few weeks → subsequent efforts)
  - Lack of transparency, which users have not yet been redirected = Problem
  - » Removal of links is not possible
- ... **but is a Loadbalancing- / access optimization-tool at best**

- Policies come with many problems / remaining challenges in the areas of Consolidation, Migration, and Recertification
- MarvelClient only has a **5-10% overlap** with setup and desktop Policies
  - » MarvelClient is much more flexible and feature-rich in the overlapping areas (e.g. Enforce replicator page settings, conditional creation of local replicas – to name only a very few examples)
- If both Policies and MarvelClient work on the same object (e.g. MarvelClient removes a bookmark, Policies create it), IBM wins
- In all other cases, Policies and MarvelClient are **perfectly complimentary**
- **Transparency & Persistence ...**



# TRANSPARENCY & PERSISTENCE

- Transparency & Persistence are the two major **keys to happy end users**
- **Transparency**
  - » Identify potential „problem“-clients *before* they actually turn into a problem
  - » Gain Insight into what is *really* out there
  - » Easy comparison of Status Quo vs. Target (as opposed to tracking & tracing to death)
- **Persistence ...**
  - » Ensures that a client is always properly configured – not just on day 1 but **365 days a year**

## OS / HW

- ... by Operating System
- ... by Client HW Type
- ... by Computername
- ... by OS Username
- ... by IP-Address

## Lotus Notes

- ... by Notes & MC Rel.
- ... by Directory
- ... Runtime Analysis
- ... Latency Analysis

## Desktops / Icons

- ... by Server
- ... by User
- ... by Title
- ... by Position
- ... by Pagename

## Local Databases

- ... by Filename
- ... by User
- ... by ODS

## Notes.INI

- ... by User
- ... by Notes.INI Entry

## ECL

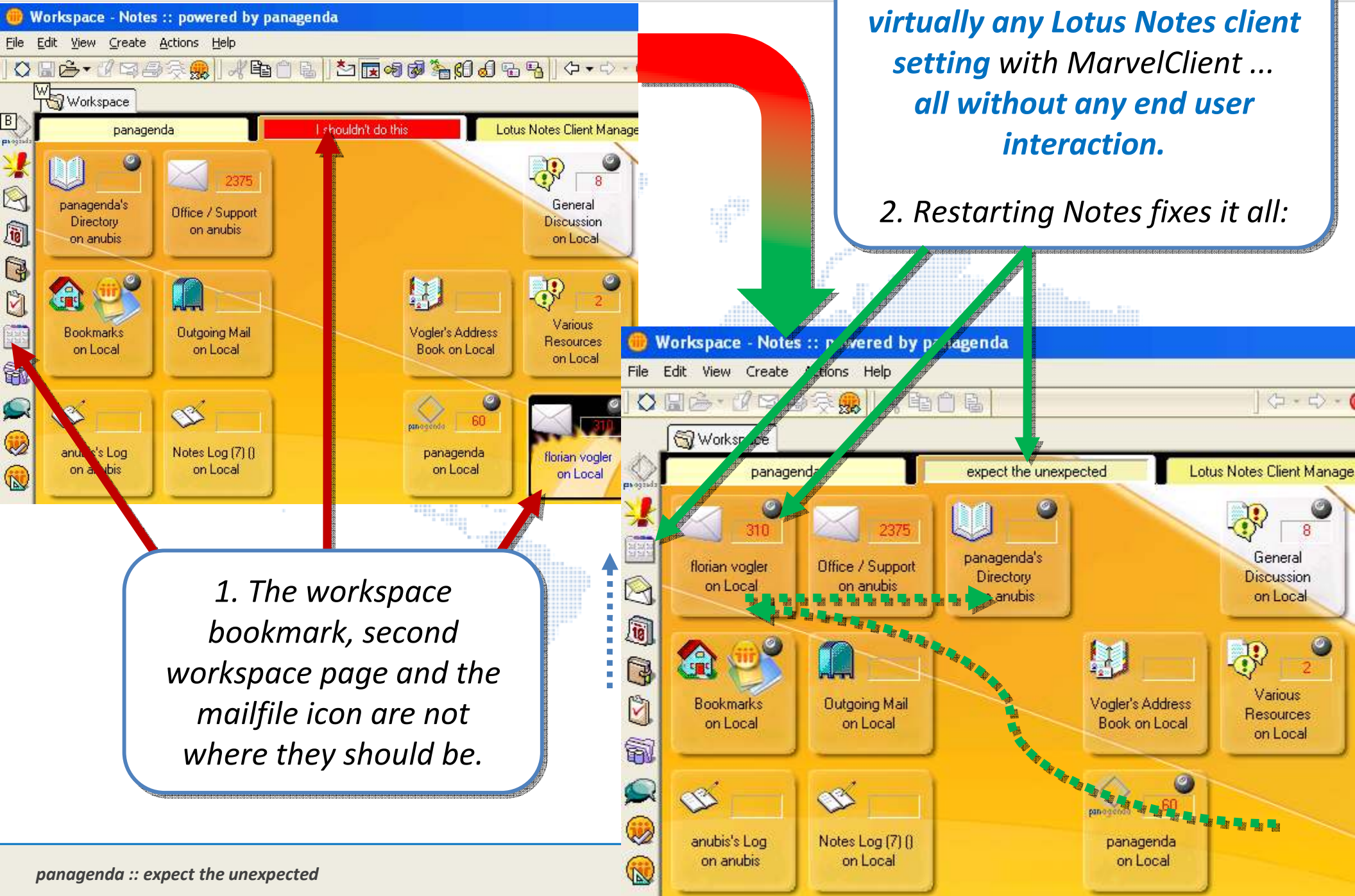
- ... by User & Entry
- ... by Entry / Signer
- ... by Permission

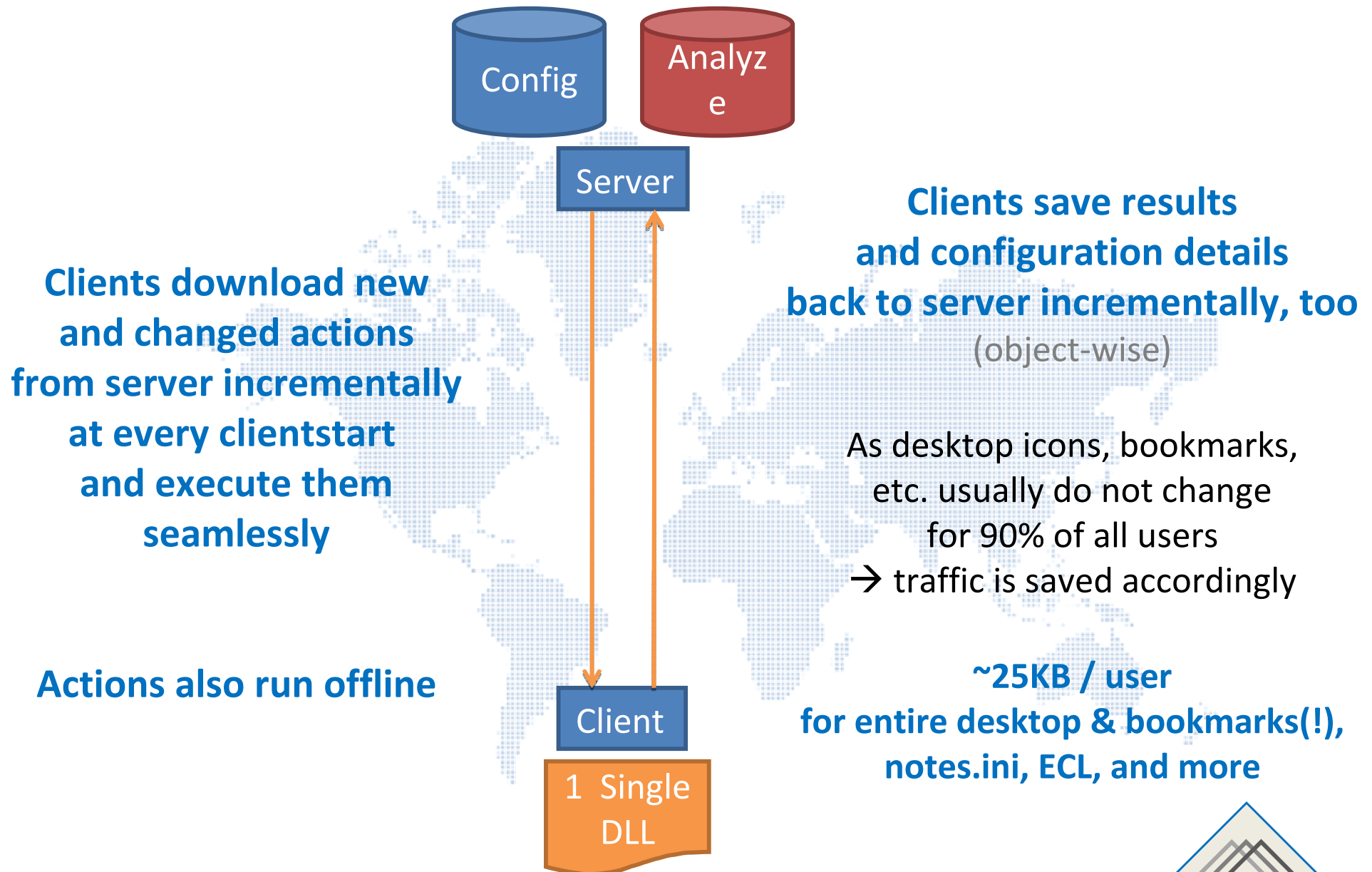
# EXAMPLE: DESKTOP & BOOKMARK

*Centrally and precisely control virtually any Lotus Notes client setting with MarvelClient ... all without any end user interaction.*

*2. Restarting Notes fixes it all:*

*1. The workspace bookmark, second workspace page and the mailfile icon are not where they should be.*





# EXAMPLE: EASY POINT & CLICK CONFIGURATION

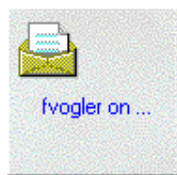
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## Desktop Icon Management Help

This document allows you to **manage icons and icon stacks on the classic Notes desktop.**

## Target

- Server and/or local replica icon
- Local icon only



## General Desktop Options Local Replica Replicator Page Fulltext Index Bookmark

### Search Criteria for Database

- Database (server):
- Usermailfile
  - Specific database

### Actions if (any icon with same replica ID is) found ...

On a stacked desktop, the icon is also considered to be found, if there is already an icon for a different replica.

- Action for replica stacks:
- Nothing (leave where it is)
  - Enforce Position
  - Enforce Page+Position

- Action for unstacked desktops:
- Nothing (leave all where they are)
  - Move Must Have Icons only
  - Move all Icons

On unstacked desktops, both page+position are enforced for the above specified icons.

### Actions if NOT found ...

- Action:
- Nothing
  - Add Icon(s)

## Target Position / Page

- Position:  Next to specific database if available

Page(s): Workspace Page 2 - expect the unexpected

X-Coordinate: 1  
1-256; Horizontal position / column

Y-Coordinate: 1  
1-256; Vertical position / row

- If target position is occupied:
- Find first free position from target
  - Move occupying icon to next free

## General Desktop Options Local Replica Replicator Page Fulltext Index Bookmark

### Local Replica Management

- Local (physical) replica options:
- Don't autcreate if missing
  - Stub only
  - Full Replica
  - Always replicate
  - Variable
  - Remove local replica if exists
- Do not create a replica, if ...:
- Source database is larger than ...  
[ 1000 ] MB (Source size + [ 10 ]% (for fulltext index, for example))
  - Remaining free space < ...  
[ 100 ] MB (after replica creation)
- Cutoff date handling:  Enabled ...
- Local filename incl. path (upon creation):
- Enforce
  - As on Server
  - Different from Server ...
- Replication Priority:
- Enforce
  - Normal
  - High
- Encryption (upon creation):
- Do not encrypt
  - According to client preferences
  - As follows ...
  - Strong
  - Medium



# EXAMPLE: RESTRICTING TO USERS & CONDITIONS

## Conditions

### Conditions - Help

Conditions allow you to **specify**

- **when,**
- **how often, and**
- **under which conditions**

this actions shall be executed.

### Repeat?

- Once only
- Persistent
- Once a day only
- At every clientstart

### # of Executions & Conditions

Limit # of executions

Execution of this action is restricted as follows: All 2 conditions AND at least one of 1 conditions must be met.

Add new ...

Time Condition

IP Range Condition

String Condition

Numeric Condition

Total: 3

2 conditons selected.

ALL

of the following conditions must be met:

- CIT0. All NON-Citrix clients
- CIT1. All Citrix clients
- Clients with Admin & Designer
- IP-Range.Germany
- IP-Range.UK
- Location = "Office"
- Location = "Travel"
- MOB0. All clients WITHOUT battery bay (=NON-Laptops and desktops without USV)
- MOB1. All clients with battery bay (=Laptops and Desktops with USV(!))
- Net. panagenda LAN
- Net. panagenda VPN
- Net. panagenda WAN/Non-VPN/Non-LAN

ALL of the above \*AND\* at least ONE of the following:

ALL of the above \*OR\* at least ONE of the following:

1 conditon selected.

- CIT0. All NON-Citrix clients
- CIT1. All Citrix clients
- Clients with Admin & Designer
- IP-Range.Germany
- IP-Range.UK
- Location = "Office"
- Location = "Travel"
- MOB0. All clients WITHOUT battery bay (=NON-Laptops and desktops without USV)
- MOB1. All clients with battery bay (=Laptops and Desktops with USV(!))
- Net. panagenda LAN
- Net. panagenda VPN
- Net. panagenda WAN/Non-VPN/Non-LAN

Only run this action, if the users mailserver is one of the following:

Mailserver restriction:

## Users

### Access Control - Help

Access Control **defines which users this action shall be applied to** - access definitions can also exclude users.

### Targeted Users

Execution of this action is limited to 1 access definition(s); therefrom, 1 access definitions and users with role [Admin] are explicitly excluded.

### New Access Definition

Total: 1-1

1 access definition selected.

RESTRICT

readers of this document to all users with role [Admin] in this database, and:

- All Users
- Departments.Accounting
- Departments.Controlling
- Departments.IT
- Departments.Legal
- Departments.Manufacturing
- HQ.All Users
- HQ.Board of Management
- Office.Cape Town
- Office.Dubai
- Office.Hamburg
- Office.Johannesburg

Direct Input (RESTRICT):

**Remove ALL links with the replica-ID of this action for the following users:**

- Users that are NOT in the list of readers
- Excluded users

1 access definition selected.

EXCLUDE

all users with role [Admin] in this database, and the following:

- All Users
- Departments.Accounting
- Departments.Controlling
- Departments.IT
- Departments.Legal
- Departments.Manufacturing
- HQ.All Users
- HQ.Board of Management
- Office.Cape Town
- Office.Dubai
- Office.Hamburg
- Office.Johannesburg

Direct Input (EXCLUDE):

# EXAMPLE: CUSTOMIZABLE BACKUP & ROAMING

## Backup

## Roaming

### Backup Configuration Help

This document allows you to **backup a set of freely configurable files to a target directory (fileset / network drive) or Domino database.**

### When?

- Before login
- After Login - Before Roaming
- After Login - After Sync
- During shutdown

**NOTE:** You should NOT use before login with a Domino database as backup target!

### Roaming/Rollback Help

This document allows you to **rollback (on demand) or roam (permanent) a set of freely configurable files from a source directory (fileset / network drive) or Domino database.**

- Before login
- After Login - Before Sync
- After Login - After Sync
- During shutdown

**NOTE:** Currently only "Before Login", "After Login - Before Sync", and "After Login - After Sync" implemented.

Roamingset?  Define as Roamingset NOTE: ONLY ONE backup action may be defined as Roamingset for any given user.

Target type:  File system  Domino database

Target directory:   Autocreate missing directories

Profiling key:

# Revisions:   Increase revision # for changed files only

INI Filter:

Force restore?  Force restore NOTE: Forcing a restore is for rollback of a client configuration.

Source type:  File system  Domino database

Source directory:

Roaming key:

Source revision:  Youngest/newest for all files  Oldest for all files  Specific for all files ...  Specific per file ...

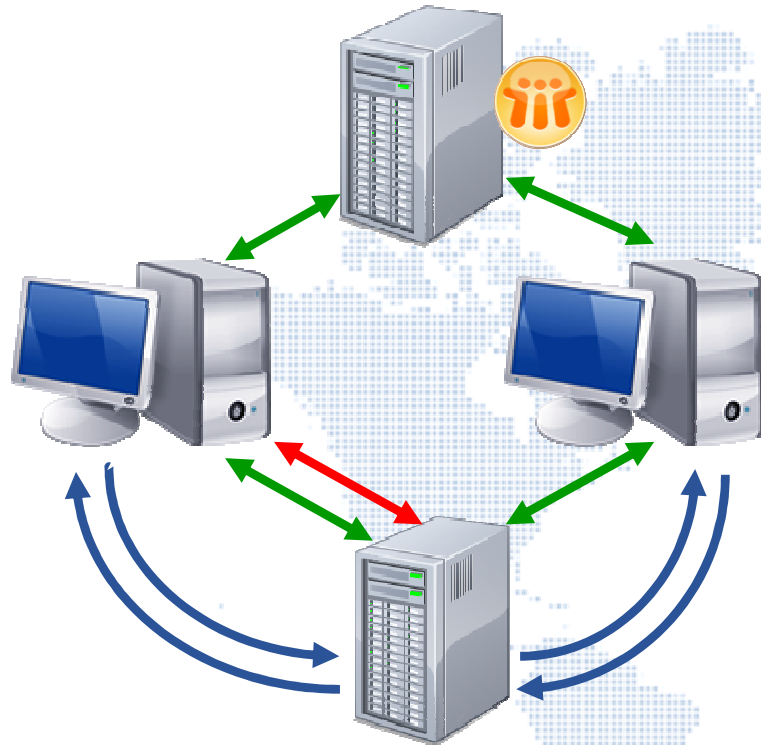
INI Filter:

Backup type	Source type	Source filename/ -directory	Source-Filename(s)/ -pattern	Include subdirs?	Target file (optional)
Zip	<input type="radio"/> Full filename	<input type="text" value="&lt;mc:working_directory&gt;\tem"/> <input type="text" value="P"/>	desktop.xml bookmark.xml images.xml notes_ini.xml	No	
Ignore	<input checked="" type="radio"/> Dir+filename				
Zip	<input type="radio"/> Full filename	<input type="text" value="&lt;notes:data_directory&gt;"/>	*.id	Yes	ids.zip
Replicate	<input checked="" type="radio"/> Dir+filename				
Copy	<input type="radio"/> Full filename	<input type="text" value="&lt;notes:data_directory&gt;"/>	<notes:names_pat	No	najo.zip
Zip	<input checked="" type="radio"/> Dir+filename		h> journal.n		

Type	Source file	Target directory/filename	Target file (optional)
Restore	desktop.xml images.xml bookmark.xml	<mc:working_directory>\roaming	
Restore	notes_ini.xml	<mc:working_directory>\roaming	
Restore	najo.zip	<notes:data_directory>	
Restore	ids.zip	<notes:data_directory>	



**Roaming** = usually from one computer to another



## Native Domino Roaming

no desktop icons  
only current user.id, ini partially  
**High Roaming traffic (1:1; >20 MB)**  
Low traffic when not roaming

## Fileserver Roaming (Notes 8.5)

no desktop icons  
only current user.id, ini partially  
**High Roaming traffic (1:1; >20 MB)**  
**or network-dependent**  
Low traffic when not roaming

## MarvelClient Fileserver Roaming == also a solution for Citrix & Network Drives

Desktop icons, \*.id (incl. subdirectories), ini freely configurable  
freely extendable (add files / directories)  
Low Roaming traffic (**2 MB**), network independent  
Slightly higher traffic when not roaming (less than 2 MB)

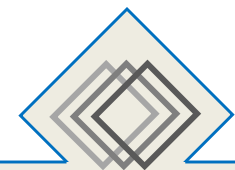
**Get back into  
IBM Support!**



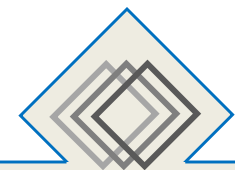
# PANAGENDA MARVELZIP

Save up to 35% disk space and network traffic with  
**Automatic Attachment (De)Compression**  
**and Tamperproof Blocking**

**Lotus.** software



- Both available stand-alone and as an **integrated** module of MarvelClient
- Currently Windows & Citrix „only“
- **Automatic compression** when attaching files
  - » Average compression = 30 - 40%
  - » Reduces Mailfile-sizes by 20 - 30%
  - » Reduces DAOS by 30 - 40%
- **Automatic decompression** when detaching files
- Drag & Drop support
- **100% Winzip compatible**



# EXAMPLE: ZIP+UNZIP



With MarvelZip, .zip file handling in Notes is as easy as saying “1-2-3”:

**1** Select the files you want to attach - you can also drag & drop files from Windows into Notes

**2** The progress bar displays zip progress

**3** Voilà: there's your attached file - zipped!

Zip+Unzip are **customizable**, e.g.

- » When should multiple files be attached separately or put into a joint archive
- » May end user (de)activate Zip/Unzip?
- » Exclude file-types from Zip and/or Open

The screenshot illustrates the MarvelZip workflow in Notes. It shows the 'Create Attachments' dialog where files are selected (1), the progress bar indicates the archiving process (2), and the final 'Open Attachment' dialog shows the resulting zip file (3). The 'Open Attachment' dialog includes a security warning and file metadata. Red arrows point to the 'Edit', 'View', and 'Save' buttons, with the following annotations:

- in-place editing of .zip files in Notes 7 and up** (pointing to the 'Edit' button)
- Instead of displaying a zipfile with a single file inside in the Notes viewer, its contents is passed on directly to the right application** (pointing to the 'View' button)
- Automatic unzip - for Drag & Drop, too** (pointing to the 'Save...' button)

- **Disk-space savings** through compression & blocking
- **Network traffic savings** through compression & blocking
- **Decreasing overall DAOS size** (by up to 40%)
- **Increasing end user productivity**
  - » Transparent zip/unzip, *including* in- and outbound email
  - » In-place editing of zipped files in Notes 7 and up
    - How many countless hours of working with zipped Office-documents – especially in upper management / secretariats – have been lost by working on a file in the temp directory ...
- Securing company secrets (e.g. CAD files) through **reliable** attachment blocking



- More than 100 digital „fingerprints“ allow for **tamperproof blocking** of files
  - » Fingerprints include e.g. cad, avi, mp3, mpeg, exe, dll, id, nsf
  - » Thereby, **users cannot bypass blocking** by e.g. renaming an .exe file to .txt
- **Block files directly on clients**
- **Saves 100%** disk-space and network traffic

Title	B/W	Fingerprint   Filepatte
IQSuite: Lotus Organizer (GCF)		0000 05 01 00 00 08 01
IQSuite: Lotus Organizer (DR5)		0000 04 28 48 04 B3
IQSuite: Lotus WordPro 7 (LWP)		000F 04 00 4C 57 50
IQSuite: Lotus WordPro (lwp)		0000 0A 5B 76 65 72 5C
IQSuite: MACBinaryIII (mBIN)		0066 "mBIN"
IQSuite: MIDI		0000 04 4D 54 68 64
IQSuite: MP3		0000 06 FF FB 90 6C 00
IQSuite: MPG		0002 02 01 BA
IQSuite: MPG / MPE / MPEG		0002 .0130 02 01 BA,-00
IQSuite: MPG / MPE / MPEG		0002 .0130 02 01 BA,-00
IQSuite: MPG / MPE / MPEG 1		0002 02 01 B3,-0002 02
IQSuite: MPG / MPE / MPEG 2		0002 02 01 B3,-0002 02
IQSuite: MS Access (MDB)		0011 05 44 42 00 01 00
IQSuite: MS Excel Version 2.1 (Chart)		0000 08 09 00 04 00 02
IQSuite: MS Excel Version 2.1 (Macro Sheet)		0000 08 09 00 04 00 02
IQSuite: MS Excel Version 2.1 (Worksheet)		0000 08 09 00 04 00 02
IQSuite: MS Excel Version 3		0000 08 09 02 06 00 00
IQSuite: MS Excel Version 4		0000 08 09 04 06 00 00
IQSuite: MS Excel Version 5		0000 0A D0 CF 11 E0 A
IQSuite: MS Excel Version 95-XP(*.xls)		0000 0A D0 CF 11 E0 A
IQSuite: MS Excel with embed GIF		0000 0A D0 CF 11 E0 A
IQSuite: MS Office Document with embedded exe		0000 0A D0 CF 11 E0 A
IQSuite: MS Office Word or Excel with Embed File (Deutsch)		0000 0A D0 CF 11 E0 A
IQSuite: MS Office Word or Excel with Embed File (Deutsch) (Filename Pattern)		^(.*)\.doc\$.^(.*)\.xls\$
IQSuite: MS Office Word or Excel with Embed File (English)		0000 0A D0 CF 11 E0 A
IQSuite: MS Office Word or Excel with Embed File (English) (Filename Pattern)		^(.*)\.doc\$.^(.*)\.xls\$
IQSuite: MS Office (doc xls)		0000 0A D0 CF 11 E0 A
IQSuite: MS Office (doc xls) with diagrams		0000 0A D0 CF 11 E0 A
IQSuite: MS Office (doc xls) with Embed File (Deutsch)		0000 0A D0 CF 11 E0 A
IQSuite: MS Office (doc xls) with Embed File (English)		0000 0A D0 CF 11 E0 A
IQSuite: MS Office (doc xls) with Embed OLE-Object (Deutsch)		0000 0A D0 CF 11 E0 A
IQSuite: MS Office (doc xls) with Embed OLE-Object (English)		0000 0A D0 CF 11 E0 A
IQSuite: MS Office (doc xls) with inline picture		0000 0A D0 CF 11 E0 A
IQSuite: MS Office (doc xls) with macros / VBA		0000 0A D0 CF 11 E0 A
IQSuite: MS Office (doc) with PNG		0000 0A D0 CF 11 E0 A
IQSuite: MS Office (xls) with PNG		0000 0A D0 CF 11 E0 A

- Up to 100% **successful initial setups and ongoing client configurations** without any end user interaction
- **Significant Roaming benefits**
  - » Up to 95% less network load compared to Notes Data on network drives
- Up to 80% **less help desk calls**
- Up to 70% **shorter projects for migration**, consolidation and recertification on clients
- Up to 50% **less mail network traffic**
- Up to 25% **less disk space for mailfiles**

	Module / Suite	Basic	Professional	Enterprise
<b>MarvelClient</b>	Analyze			
	Migrate			
	Manage			
	Realtime			
	Roaming			
<b>MarvelZip</b>	Zip/Unzip			
	Attachment Blocking			

