



Domino 12

Backup & Restore

jako součást Domino serveru



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Několik možností zálohování

- File system backup to disk or network drive.
- Support for circular transaction logging with full backup
- Support for archive transaction logging and incremental backup.
- Point in time restore leveraging transaction logs
- Incremental backup in combination with archive-style transaction log.
- Support for snapshot backup of file system: bring all databases into backup mode, take a snapshot, and back up the delta occurred during backup.
- Flexible restore options that include the ability to: bring database on-line, point in time recovery, disable replication, change replica ID, change title, disable all agents
- Recover documents and folders into the original database.
- Integrated DAOS to restore missing NLOs leveraging an existing file backup.
- Integration with backup solution vendors.



Backup & Restore - komponenty

- 'backup' task - slouží pro jednorázové spuštění backupu, ať ručně z konzoli a nebo periodicky přes program dokumenty.
- 'restore' task - slouží pro obnovu zálohovaných databází
- 'Domino Backup Database' (dominobackup.nsf). Je vytvořena při prvním spuštění backup tasku v rámci Domina.
- 'database inventory' - seznam zálohovaných databází - slouží pak k jejich obnově.
- 'backup logs' - logy generované backup úlohou.



Backup - první spuštění

load backup

Backup: Domino Database Backup

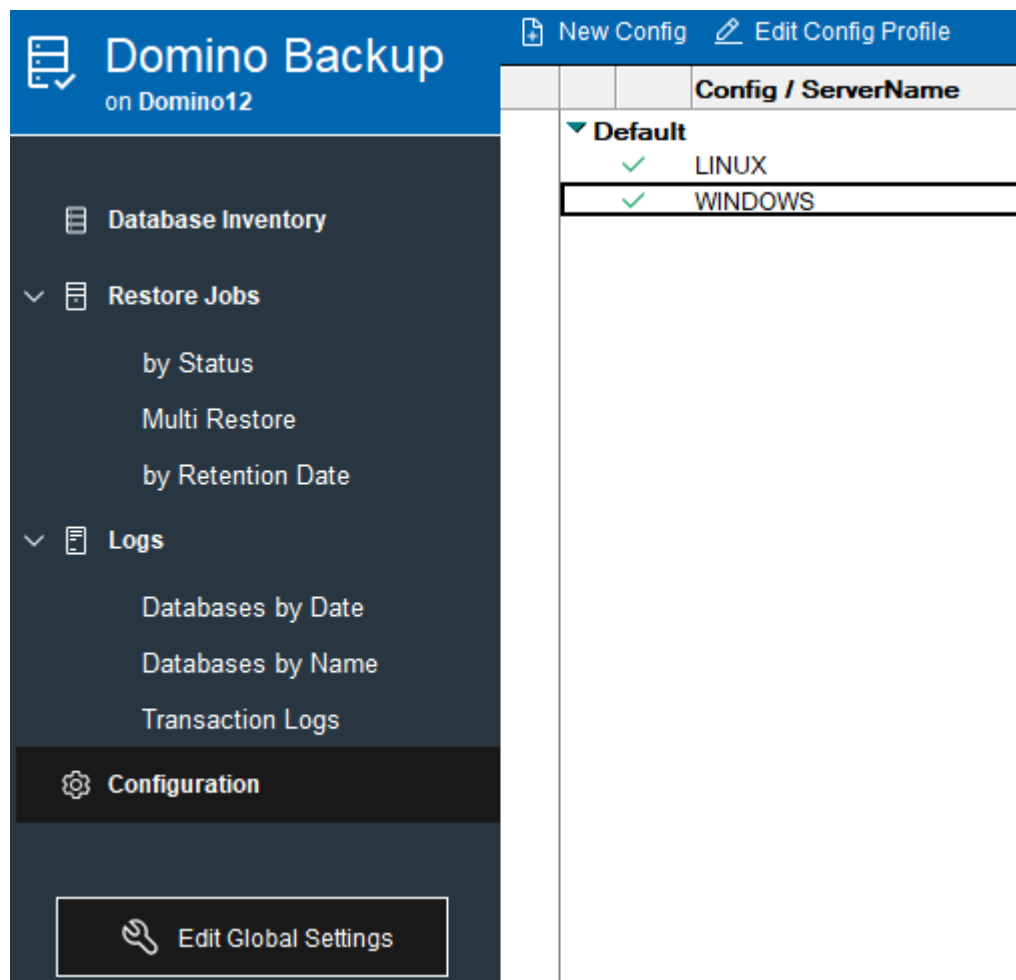
Backup: Started

Backup: **Creating new Database 'dominobackup.nsf'**

Backup: New config database created, please review configuration before first backup [dominobackup.nsf]

Backup: Finished

DominoBackup.nsf (ukázka)



The screenshot displays the Domino Backup web interface. The top navigation bar is blue and contains the title "Domino Backup on Domino12" and two links: "New Config" and "Edit Config Profile". The left sidebar is dark blue and lists the following options: "Database Inventory", "Restore Jobs" (expanded), "Logs" (expanded), and "Configuration" (highlighted). Under "Restore Jobs", there are sub-options: "by Status", "Multi Restore", and "by Retention Date". Under "Logs", there are sub-options: "Databases by Date", "Databases by Name", and "Transaction Logs". At the bottom of the sidebar is a button labeled "Edit Global Settings". The main content area is white and shows a table with the header "Config / ServerName". The table has two rows: "Default" (expanded) and "LINUX". The "Default" row has a green checkmark in the first column. The "LINUX" row has a green checkmark in the first column. The "WINDOWS" row is partially visible below "LINUX".

Config / ServerName	
▼ Default	
✓	LINUX
✓	WINDOWS



Global Configuration

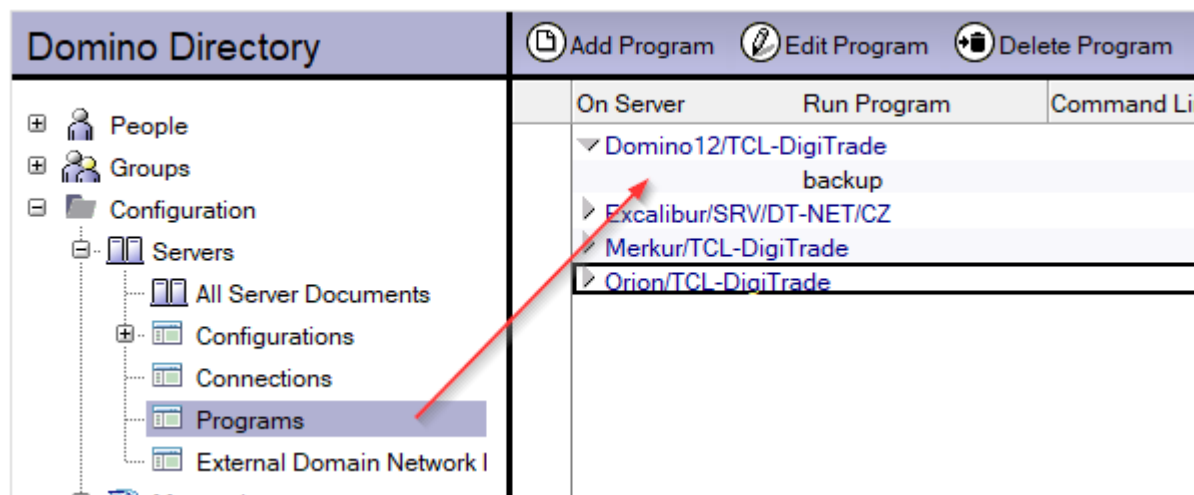
Global Configuration

Admin server:	『domino12/TCL-DigiTrade』▼
Backup database:	『dominobackup.nsf』
Restore database:	『dominobackup.nsf』
Default restore retention days:	『7』
Default restore folder:	『restore』
Default restore Notes folder:	『RestoredDocuments』
Template server:	『』▼



Backup & Restore - spouštění

- “load backup -b” provede jednorázový běh
- pro periodické spouštění využít Programs v adresní knize





Backup - parametry

Argument	Description
-b	Backs up database files only. This is the default Backup behavior.
-t	Backs up transaction log (TXN) files and marks them as backed-up to be either re-used or removed by Domino. TXN files allow for point-in-time recovery or rolling forward a database. Depending on your server, back up these files every 2 to 8 hours.
-i	If you use archive translog mode, use this to do an incremental back up databases that have not been backed up since the last full or incremental backup in archive translog mode.
-s	Runs snapshot backup according to current configuration. (Snapshot option not yet documented),.
-d <datetime>	Performs a delta backup since last backup. Backs up databases changed after this point in time.
-e	By default, excluded databases are determined by the Excluded databases field in the Main tab of a backup configuration. In some cases, it makes sense to exclude different databases for different backups in a week. This option allows you to exclude databases through regular expressions similar to the backup configuration. The only difference is that it automatically appends an * to match the end of the string for your convenience. -e can be used multiple times to define multiple exclusion patterns. By default, -e adds database exclusion patterns to any that exist in the backup configuration. Use -e with -E to instead replace the patterns in the configuration with new patterns.
-E	Ignores the Excluded databases field in the Main tab of backup configuration documents. Can be used in conjunction with -e to replace the excluded databases pattern in the configuration with a different excluded databases pattern. For example: -E -e archiv/.
-v	Enables verbose logging to the console. This generates a lot of extra logging and is intended only for troubleshooting.
-V	Enables verbose and debug logging for troubleshooting. Logs are written into console.log. Standard log messages are written into log.nsf



Backup - jak probíhá

- spustíme periodicky nebo ručně přes:
load backup -b
- úloha provede backup databází do zvoleného adresáře
- vytvoří log dokument
- jednotlivé databáze zavede do 'inventory' s informací o backupu

Backup



Remote console command issued by David Marko/TCL-DigiTrade: load backup -b

Backup: Domino Database Backup

Backup: Started

Backup: BackupNode: [Domino12], BackupName: [default], Translog Mode: [CIRCULAR], Backup Mode: [FULL]

Backup: LastBackupTime:

Backup: Starting backup for 112 database(s)

Backup:

Backup: --- Backup Summary ---

Backup: Previous Backup :

Backup: Start Time : 04/14/2021 06:19:26

Backup: End Time : 04/14/2021 06:20:32

Backup: Runtime : 00:01:05.842

Backup:

Backup: All : 112

Backup: Processed : 112

Backup: Excluded : 0

Backup: Pending Compact : 0

Backup: Compact Retries : 0

Backup: Backup Errors : 0

Backup: Not Modified : 0

Backup: Delta Files : 0

Backup: Delta applied : 0

Backup:

Backup: Total DB Size : 631.5 MB

Backup: Total DeltaSize : 0.0 Bytes

Backup: Data Rate : 9.6 MB/sec

Backup: --- Backup Summary ---

Backup:

Backup: Finished



Backup - pohledy

Domino Backup on Domino12					
Restore Multi DB Restore Add to Multi Restore					
	FileName ^	Title ^	Last Backup Time	Size (MB)	Path ^
Database Inventory Restore Jobs by Status Multi Restore by Retention Date Logs Databases by Date Databases by Name Transaction Logs Configuration	-root-				
	activity.nsf	Activity Trends (Domino12)	14.04.2021 08:19:33	1	activity.nsf
	activity.ntf	Activity Trends (8)	14.04.2021 08:19:33	1	activity.ntf
	admin4.nsf	Administration Requests (6)	14.04.2021 08:19:33	2	admin4.nsf
	admin4.ntf	Administration Requests (11.0)	14.04.2021 08:19:34	3	admin4.ntf
	adpwsync.ntf	Active Directory Password Sync Requests	14.04.2021 08:19:34	0	adpwsync.ntf
	AgentRunner.nsf	Java AgentRunner	14.04.2021 08:19:34	0	AgentRunner.nsf
	alog4.ntf	Agent Log (8)	14.04.2021 08:19:35	0	alog4.ntf
	archlg50.ntf	Archive Log (10)	14.04.2021 08:19:35	0	archlg50.ntf
	autcat.ntf	AUT Catalog	14.04.2021 08:19:35	1	autcat.ntf
	autosave.ntf	Autosave	14.04.2021 08:19:35	0	autosave.ntf
	billing.ntf	Billing	14.04.2021 08:19:36	0	billing.ntf
	bookmark.ntf	Bookmarks (12)	14.04.2021 08:19:36	8	bookmark.ntf
	busytime.nsf	Local free time info	14.04.2021 08:19:36	0	busytime.nsf
	busytime.ntf	Local free time info	14.04.2021 08:19:36	0	busytime.ntf
	cache.ntf	Local Document Cache	14.04.2021 08:19:37	0	cache.ntf
	catalog.ntf	Catalog (12)	14.04.2021 08:19:37	1	catalog.ntf
	certlog.ntf	Certification Log	14.04.2021 08:19:37	0	certlog.ntf
	certpub.ntf	Domino Certificate Publication Requests (8.5)	14.04.2021 08:19:37	0	certpub.ntf

Domino Backup on Domino12							
Database Inventory							
Restore Jobs							
by Status							
Multi Restore							
by Retention Date							
Logs							
Databases by Date							
Started	Ended		Name	Mode	Runtime	Size (GB)	M
14.04.2021 08:19:26	14.04.2021 08:20:32	✓	default	FULL	1.1	0.6	
14.04.2021 07:59:38	14.04.2021 07:59:47	✗	default	FULL	0.1	0.0	



Restore - z inventory (load restore)

Restore: Translog Mode: CIRCULAR

Restore: Domino Database Restore

Restore: Started

Restore: Restoring to [restore/names.nsf] [/local/notesdata/restore/names.nsf]

Remote console command issued by David Marko/TCL-DigiTrade: load restore

Restore: Restoring Database [/local/notesdata/restore/names.nsf.DAD]

Restore: Database restored: [names.nsf] -> [restore/names.nsf]

Restore: Finished

Domino Backup
on Domino12

Database Inventory

Restore Jobs

by Status

Multi Restore

by Retention Date

Run Restore Server Cmd

PathName
1. Pending
-root-
names.nsf

Restore Browse Database Open Database

Database Backup Log

Server name:	Domino12/TCL-DigiTrade
Title:	TCL DigiTrade Directory
File name:	names.nsf
Physical path:	/local/notesdata/names.nsf
Replica ID:	80256611:00317AD6
Last backup time:	14.04.2021 06:36:35 GMT
Data changed:	14.04.2021 05:19:12 GMT
Design changed:	13.04.2021 07:08:58 GMT
Physical size (MB):	27,0
Backup times:	20210414062015 20210414063635