

10ZiG Manager Backups

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10ZiG Manager Backups

Introduction

10ZiG Manager ships with an internal tool that allows backing up the manager database, template files and registry settings. Along with the use of the Windows Task Scheduler, Manager backups can be automated to be performed at desired intervals providing a means of disaster recovery or server migration.

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The MgrDbBackup.exe utility

1. The 10ZiG Manager installation includes a backup utility named "MgrDbBackup.exe". It can be used to back up all necessary data allowing restoration of functionality. This data includes the MySQL database structure, configured settings stored within the Windows registry and template configuration files.

🗃 10ZiG Manager Data Backup	\times
10ZiG	
Backup Options	
Output Path:	
Build Zip Archive	
Overwrite existing backup	
Append date to backup name (yyyyMMdd)	
Append time to backup name (HHmm)	
Output: . Vtenzigmgr_20210511_0554.zip	
Ba	ckup Exit

 The backup utility can be launched interactively or can be provided with command line parameters for automated execution. Navigate to the Manager installation path, typically "C:\Program Files (x86)\10ZiG\10ZiG Manager" on 64-bit Windows and "C:\Program Files\10ZiG\10ZiG Manager" for 32-bit.

📙 🕑 📙 🖛			Application Tools	10ZiG Manager				-		×
File Home	Share	View	Manage							~ 🕐
← → ▼ ↑ 📴 > This PC > Local Disk (C:) > Program Files (x86) > 10ZiG > 10ZiG Manager v ひ Search 10ZiG Manager ル									P	
🖈 Quick access		Name	^		Date modified 10/13/2017 9:17 AM	Type File tolder	Size			^
Desktop	*	🚳 7z.dll			4/30/2018 5:00 AM	Application extens	1,111 KB			
Downloads		10 7z			4/30/2018 5:00 AM	Application	283 KB			
Dominouus	<u>_</u>	Tza			4/30/2018 5:00 AM	Application	717 KB			
Documents	7	🚳 Abou	tResource.dll		12/14/2018 2:22 PM	Application extens	35 KB			
Pictures	R	Descr	iptorLib.dll		12/14/2018 2:22 PM	Application extens	17 KB			
💻 This PC		🚳 Interc	p.IWshRuntimeLibr	ary.dll	12/14/2018 2:22 PM	Application extens	37 KB			
Desktop		🚳 Interc	p.NetFwTypeLib.dll		12/14/2018 2:22 PM	Application extens	19 KB			- 11
		國 MgrC	loudUninstall		12/17/2018 9:47 AM	Application	116 KB			
Developede		🚳 MgrC	M.dll		12/14/2018 2:22 PM	Application extens	68 KB			
- Downloads		💽 MgrC	onSettings		12/14/2018 2:22 PM	Application	38 KB			
J Music		🚳 MgrC	onsole.dll		12/14/2018 2:22 PM	Application extens	2,529 KB			
Pictures		🗋 MgrC	onsole.InstallLog		12/17/2018 9:44 AM	INSTALLLOG File	9 KB			
Videos		📄 MgrC	onsole.InstallState		12/17/2018 9:44 AM	INSTALLSTATE File	3 KB			
🏪 Local Disk (C:)	💽 MgrC	onsoleForm		12/14/2018 2:22 PM	Application	209 KB			
🖆 DVD Drive (D:) SSS :	🚳 MgrC	ontrols.dll		12/14/2018 2:22 PM	Application extens	709 KB			
		🚳 MgrC	ore.dll		12/14/2018 2:22 PM	Application extens	975 KB			
💣 Network		📢 MgrC	trl		12/14/2018 2:22 PM	Application	735 KB			
		🎎 MgrD	bBackup		2/6/2019 12:14 PM	Application	179 KB			
		🚳 MgrL	ib.dll		12/14/2018 2:22 PM	Application extens	2,007 KB			- 1
		💽 MgrR	oleAdminTool		12/14/2018 2:22 PM	Application	392 KB			
		🚳 MgrR	pcServer.dll		12/14/2018 2:22 PM	Application extens	66 KB			
		10 MgrS	ervice		12/14/2018 2:22 PM	Application	67 KB			
		📑 MgrS	hare		12/14/2018 2:22 PM	Application	55 KB			~
46 items 🕴 1 item se	elected	178 KB								==

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- 3. Launch the "MgrDbBackup.exe" and specify an output directory and desired options to control how the backup runs.
 - a. **Output Path** Browse to and select a directory to place the backup files or archive. You can also type in the path of choice. If no path is specified, the backup files are created in the current directory of the executable.
 - b. **Build Zip Archive** This option specifies whether to simply copy the files to the output path or pack them into a Zip archive.
 - c. Append date to backup name Adds the current date to the backup archive filename.
 - d. *Append time to backup name* Adds the current time to the backup archive filename.
 - e. **Output** Displays the path and filename to be used.
- 4. Click the **Backup** button to start the process.

🚦 10ZiG Manager Data Backup	×
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Backup Options	
Output Path:	
Build Zip Archive	
☑ Overwrite existing backup	
Append date to backup name (yyyyMMdd)	
Append time to backup name (HHmm)	
Output: . Vtenzigmgr_20210511_0556.zip	
Adding "C:\Program Files (x86)\10ZiG\10ZiG Manager\repository_templates" to Zip archive ".\tem	nzigmgr_
Backup	ncel

5. Once the backup is complete, click *Exit* button to close the application.

10ZiG Manager Data Backup ×

10ZiG		
Backup Options		
Output Path:		
Build Zip Archive		
✓ Overwrite existing backup		
Append date to backup name (yyyyMMdd)		
Append time to backup name (HHmm)		
Output: . \tenzigmgr_20210511_0556.zip		
Backup completed successfully.		
	<u>B</u> ackup	E <u>x</u> it

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Automate Backup with Task Scheduler

 The Manager backup can be scheduled to execute at a given time and at regular intervals using the Windows Task Scheduler. On Windows Server, launch Server Manager and select Task Scheduler from the Tools menu.

🛓 Server Manager			– 🗆 X
Server M	anager • Dashboard	- 🕄 🚩 Mana	age <mark>Tools</mark> View Help
Dashboard	WELCOME TO SERVER MANAGER		Component Services Computer Management Defragment and Optimize Drives
Local Server All Servers File and Storage Services	1 Config	gure this local server	Disk Cleanup Event Viewer Internet Information Services (IIS) Manager
to IIS	QUICK START	d roles and features	iSCSI Initiator Local Security Policy Microsoft Azure Services ODBC Data Sources (32-bit)
	WHAT'S NEW 4 Crea	ate a server group	ODBC Data Sources (64-bit) Performance Monitor Print Management
	LEARN MORE	nnect this server to cloud services	Resource Monitor Services System Configuration
	ROLES AND SERVER GROUPS		System Information Task Scheduler
	Roles: 2 Server groups: 1 Servers total:		Windows Firewall with Advanced Security Windows Memory Diagnostic Windows PowerShell
	Services 1 Manageability Events 1	1 Manageability Events	Windows PowerShell (x86) Windows PowerShell ISE Windows PowerShell ISE (x86)
	Services Performance BPA results	Services Performance RPA results	Windows Server Backup
	2/6/2019 1:14 PM	2/6/2019 1:14 PM	
	Local Server 1	All Servers 1	,



2. S	elect Create Ba s	ic Task	. from the	Actions	panel t	to create	a new	task.
------	--------------------------	---------	------------	---------	---------	-----------	-------	-------

Task Scheduler			- 0	×
File Action View Help				
⇐ ➡ 2 🖬 2 🖬				
Task Scheduler (Local)	Status	Triggers	Actions	
Iask Scheduler Library Index Scheduler Library Index Scheduler Library	ller Ready	At log on of any user	Task Scheduler Library	-
🕒 🕒 GoogleUpdateTaskMachineCo	re Ready	Multiple triggers defined	💿 Create Basic Task 🕅	
🕒 🕒 GoogleUpdateTaskMachineUA	Ready	At 1:36 PM every day - A	b Create Task	
			Import Task	
			Display All Running Tasks	
			Disable All Tasks History	
4			Now Folder	
			View	•
			Q Refresh	
			III Help	
Quickly creates a simple task.				



3. Specify a name and optionally a description for the task and click the *Next* button.

Create Basic Task Wizard			×
Create a Basic Tas	k		
Create a Basic Task Trigger	Use this wizar such as multi	d to quickly schedule a common task. For more advanced options or settings ple task actions or triggers, use the Create Task command in the Actions pane.	
Action	Name:	10ZiG Manager Backup	
Finish	Description:		
		< Back Next > 🔀 Cance	ł

4. Choose the frequency, in this example daily execution is selected. Click the *Next* button to proceed.

Create Basic Task Wizard		Х
Task Trigger		
Create a Basic Task	When do you want the task to start?	
Trigger Daily	Daily	
Action	⊖ Weekly	
Finish	○ Monthly	
	○ One time	
	○ When the computer starts	
	○ When I log on	
	○ When a specific event is logged	
	< Back Next > 🔤 Cance	I



5. Specify the start time and click the *Next* button.

Create Basic Task Wizard		×
Daily		
Create a Paris Task		
Trigger	Start: 2/ 6/2019 🔍 8:30:00 PM 🛓 🖸 Synchronize across time zones	
Daily	Recur every: 1 days	
Action		
Finish		
	< Back Next > 3	Cancel

6. Choose *Start a program* and click the *Next* button.

Create Basic Task Wizard	;	×
Action		
Create a Basic Task Trigger Daily	What action do you want the task to perform?	
Action	Start a program	
Finish	Send an e-mail (deprecated)	
	O Display a message (deprecated)	
	< Back Next > 🔤 Cancel	



 Click the *Browse* button, navigate to the Manager installation path, and select the "MgrDbBackup.exe" file to execute. Add the arguments "-sfdtz" and a destination path in quotes to specify where to back up the files. Click the *Next* button to proceed.

Create Basic Task Wizard		×
5 Start a Program		
Create a Basic Task		
Trigger	Program/script:	
Daily	"C:\Program Files (x86)\10ZiG\10ZiG Manager\MgrDbBackup.e	xe" Browse
Action Start a Program	Add arguments (optional):	-sfdtz "C:\dest_dir"
Finish	Start in (optional):	
	< Back	Next > Cancel



8. On the summary page, check the *Open the Properties dialog...* option to bring up the task properties after creating the task. Click the *Finish* button to proceed.

Create Basic Task Wizard		×
5 Summary		
Create a Basic Task		
Trigger	Name:	10ZiG Manager Backup
Daily	Description	
Action	Description:	
Start a Program		
Finish		
	Trigger:	Daily; At 8:30 PM every day
	Action:	Start a program; "C:\Program Files (x86)\10ZiG\10ZiG Manager\MgrDbBacku
	Open the	Properties dialog for this task when Lelisk Finish
	⊘ Open the	Properties dialog for this task when i click Finish
	when you cl	ick Finish, the new task will be created and added to your Windows schedule.
		< Back Finish Cancel

9. Make sure to select the *Run whether user is logged on or not* option and check the *Run with highest privileges* option. Click *OK* button to complete the task creation.

ing ing	gers Actions Cor	ditions Settings	History		
Name:	10ZiG Manager Ba	ckup			
Location:	N N				
Author:	BOLMORE report				
Description:					
Security op	tions				
When runn	ing the task, use the	following user acco	ount		
singupon .				Change User	r or Group.
	y when user is logge	d on			
Run wh	ether user is logged	on or not			
Do	not store password.	The task will only ha	ave access to local comp	uter resources.	
[]	h highest privileges				
M Kun wit				6	



10. The newly created task should now be listed in the Task Scheduler.

Task Scheduler				-		×	
File Action View Help							
🗢 🄿 🖄 🖬 🚺							
Task Scheduler (Local)	Name Status Triggers		Acti	ons			
> 🔀 Task Scheduler Library	Backup Ready At 8:30 PM every day		Task	CScheduler Library		•	
	10ZiG Manager Service Controller Ready At log on of any user		1	Create Basic Task			
	GoogleUpdateTaskMachineCore Ready Multiple triggers defined		•	Create Task			
	🕒 GoogleUpdateTaskMachineUA Ready At 1:36 PM every day - Afte	ter tri		Import Task			
				Display All Running Tasks			
				Disable All Tasks History			
	<	>	1	New Folder			
	General Triggers Actions Conditions Settings History		View		•		
	Name: 107iG Manager Backup	Q	Refresh				
		?	Help				
	Location: \	Sele	cted Item		•		
	Author: BOSANOVA\vnguyen		Jere	Rup		_	
	Description:			End			
			Б.	Disable			
				Disable			
				Export			
	Security options		Properties				
	When running the task, use the following user account:			Delete			
	Administrators	2	Help				
	Run only when user is logged on	~					
	>						



11. After an instance of task has completed, the backup destination directory should contain a Zip archive named for the date and time of the backup.

🖓 🛄 ╤		Compressed Folder Tools	dest_dir				_	×
File Home Sh	are View	Extract						~ 🕐
$\leftarrow \rightarrow \cdot \uparrow \square$	This PC → Lo	ocal Disk (C:) → dest_dir			√ Ō	Sear	ch dest_dir	Q,
	Name	^		Date modified	Туре		Size	
Desktop	🖌 🔡 tenz	igmgr_20190206_1333		2/6/2019 1:33 PM	Compressed (zipp	53,464 KB	
Downloads	A.							
Documents	*							
Pictures	*							
💻 This PC								
E. Desktop								
Documents								
👆 Downloads								
👌 Music								
Pictures								
Videos								
🏪 Local Disk (C:)								
🖆 DVD Drive (D:) SS	s_:							
💣 Network								
1 item 1 item selected	d 52.2 MB							



Backing Up ImageStore Folder

The ImageStore is the network shared folder where the 10ZiG Manager stores and publishes device OS images. The MgrDbBackup utility does not have provisions for backing up these image files so it is recommended that this folder be backed up using a file system backup tool or manually copying the desired images to another location for safekeeping.

Recovery after Disaster

In the event of data loss or corruption, the 10ZiG Manager functionality can be recovered by installing a new instance, restoring previously backed-up data and adjusting a few settings.

Installing a New Instance

The first step in recovering the 10ZiG Manager is to install a new instance on the rebuilt server or on a different computer.

- 1. Launch the 10ZiG Cloud Manager installer.
- 2. Choose the components that were previously installed.

🂿 10ZiG Cloud Manager Setup	10ZiG Cloud Manager Setup					
Choose Components Choose which features of 10Zi install.	G Cloud Manager you want to		10	ΣiG		
Check the components you wa install. Click Next to continue.	nt to install and uncheck the con	nponents you do	n't want to)		
Select components to install:	Server Console Cloud Connector Web Console	Description Position you over a comp see its descr	ir mouse ponent to ription,			
Space required: 402.8 MB						
Nullsoft Install System v3.03	< Back	Next >	Can	cel		



3. Specify the installation path, preferably the same path as the previous instance.



4. Once the selected components and respective files have been installed, verify and enter the Image Store settings to match the previous instance.

0 10ZiG Cloud Manager Settings	- [
File Help		
102ig Server Console Cloud	We	b
Manager Server		
Network Discovery Advanced Image Store		
The 10ZiG Manager requires a network share for thin client image backup, recovery and for various other settings. Specify a valid UNC path and appropriate credentials to access the share. You can also select a local folder to be shared as "ImageStore". The specified user will have need to have full control access. Network Share Settings		
Share Path: C:\\mageStore		
Username : DEV-WS2016-VM\ImageUser (Domain\Username)		
Password :		
Confirm Password : •••••••		3.0.3.0
ок	Apply	Cancel

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- 5. With the other settings, it is not essential that they match the previous instance since as these settings can be restored from backup.
- The last consideration item for the new Manager installation is the DNS Service Location (SRV) record for client check-in. If your environment employs Microsoft DNS, make certain to allow the settings tool to create or update the SRV record.

10ZiG Manager DNS Service Record
A Microsoft DNS Service record can be added to point to this 10ZiG Manager server facilitating discovery by allowing new clients to automatically locate and register with this manager server.
Do you wish to allow 10ZiG Manager to create this service record?
Yes No
Or
10ZiG Manager DNS Service Record
An existing Microsoft DNS Service record exists for the 10ZiG Manager, but it points to a different server. Do you wish to allow 10ZiG Manager to update the service record to point to this server instead?
Yes No

Otherwise, you or your DNS administrator will need to manually create/update the record on the non-Microsoft DNS server. The following illustrates the record details.

	_tzmgr_discovery Properties ? X
Service Location	(SRV) Security
Domain:	broand-ra full
Service:	_tzmgr_discovery ~
Protocol:	_udp
Priority:	0
Weight:	100
Port number:	52500
Host offering this	s service:
16alproximite 3	Champerson et .
	OK Cancel Apply Help

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Restore from Backup Archive

a.

A previously backed-up archive can be restored onto a new 10ZiG Manager instance to provide functional recovery.

- 1. Shutdown the 10ZiG Manager server if it is running.
- 2. Using a Zip utility, extract the contents of the backup archive file to a temporary directory.

Name	Size	Packed Size	Modified	Created	Accessed
퉬 tenzigmgr	25 919 837	6 160 475	2019-02-05 16:09	2018-12-13 15:49	2019-02-05 16:09
퉬 _templates	29 221 951	20 237 842	2019-02-04 13:47	2014-11-05 14:40	2019-02-04 13:47
tenzigmgr_20190208_1602.reg	8 783	2 383	2019-02-08 16:02	2019-02-08 16:02	2019-02-08 16:02

- 3. Double-click the "tenzigmgr_xxxxxxx_xxx.reg" file to import the backed-up registry settings via Regedit.exe.
- Copy or move the "tenzigmgr" folder to the ".\mysql\data" subfolder of the Manager installation path, typically "C:\Program Files (x86)\10ZiG\10ZiG Manager" on 64-bit Windows and "C:\Program Files\10ZiG\10ZiG Manager" for 32-bit.
- 5. Copy or move the "_templates" folder to the ".\repository" subfolder of the Manager installation path.
- 6. Due to file system size requirements, MgrDbBackup utility only backs up the client configuration settings within the database but does not back up the related configuration files. Therefore, to insure proper auto-configuration, the Manager should be configured to retrieve the configuration of each client prior to applying a configuration template.



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b. Add a new DWORD value if one named "AlwaysRetrieveBeforeTemplate" does not exist.

> Policies	^	Name			Type	Data	^
RegisteredApplications		Allow BootSe Broadd	ult) RPCPo RPCTi TIs1 Discove erverEi castDi: castDi:	ort meout apy nabled scovery scoveryPort scionsUngereder	REG_DWORD REG_DWORD REG_DWORD REG_DWORD REG_DWORD REG_DWORD REG_DWORD REG_DWORD	Value not set) 0x0000cd1e (52510) 0x0000ea60 (60000) 0x00000000 (0) 0x0000000 (1) 0x0000001 (1) 0x0000001 (1) 0x00000001 (1) 0x00000001 (1) 0x00000001 (1) 0x00000001 (1)	
BOSaNOVA	Expand New	>	onne	Key	REG_DWORD	0x00002b7d (11133) 0x00012b7d (100000)	
 - Clients - Google - Intel - Microsoft - ODBC - Policies 	Find Delete Rename Export Permissions			String Value Binary Value DWORD (32-bit) Va QWORD (64-bit) Va Multi-String Value Expandable String V	lue	0x00007530 (30000) 0x8d5bcd6291d079f (636622550341584799) 0x00057e40 (360000) 0x0000001 (1) 0x000001f4 (500) 0x291d079f (689768351) 0x0000cd14 (52500))
	Copy Key Nan	Multic	gLeve TPPor TPRoc PCPort castDis	el t ot t scovery	REG_DWORD REG_DWORD REG_SZ REG_DWORD REG_DWORD	0x00000007 (7) 0x0000cd20 (52512) repository 0x0000cd1f (52511) 0x0000001 (1)	~

Dialet ما اما 4 L _ + J:£ C.

Rig	ht-click on the newly created	valu	ue, and select	Modif	ÿ	to edit the value.	
	👪 WakeOnLanPort	REG	5_DWORD	0x00000	009 (9)	
	Image: WebClientTimeout Image: WebClientTimeout Image: WebClientTimeout		REG_DWORD		0x000493e0 (300000)		
			5_SZ	dde096db-3577-4675-95fb-822e94b88a6		577-4675-95fb-822e94b88a67	
	80 AlwaysRetrieveBeforeTemplate	DEC	DWODD	0.00000	000 (2)	v
~	<		Modify	1		>	
V6432Node\10ZiG\MgrService			Modify Binary Da	ita l	a 13		
			Delete				
			Rename				

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d. Set the value to "1" and click **OK**.

Registry Editor			- □ >	×
File Colt View Pavorites Policies RegisteredApplications Policies Woware, Inc. VMware, Inc. View Wow432Node View Jozific IDZiG Policies MgrConsole MgrService MgrWimageShare MgrWimageShare MgrWimageShare BOSaNOV Edit DWORD (32-bit)	Name Name NacHTTPPort NacHTTPRoot NacHTTPR	Type REG_DWORD REG_SZ REG_DWORD REG_DWORD REG_SZ REG_SZ REG_DWORD REG_SZ REG_SZ REG_SZ REG_SZ REG_DWORD REG_DWORD REG_DWORD REG_SZ REG_SZ REG_SZ REG_SZ REG_SZ REG_SZ REG_DWORD	Data 0x00001f41 (8001) htdoc 0x00000690 (1680) 0x00000690 (1680) http://www.10zig.com/thinclient/download pxelinux.0 0x00002b7c (11132) 172.16.65.156 255.255.192.0 (945EB52A-69D0-4870-8426-8FA418B07C88) AEC950F5D4BCD304D452C3E0675E184BE810 0x00000000 (0) 0x00000000 (0) 0x00000000 (0) 0x00000000 (1) localhost C:\Program Files (x86)\102iG\10ZiG Manage 0x0001388 (5000) 0x0000000 (9)	eb eb
 Classes Clients Google Intel Microsoft Microsoft MozillaPlu Policies Registerec SNIA WOW6432Node 	Template Base Hexadecimal Decimal OK Cancel WakeOnLanPort OM Cancel			} 6(
SYSTEM SYSTEM HKEY_USERS HKEY_CURRENT_CONFIG	Webclieft ImeOut WsRelayCode AlwaysRetrieveBeforeTemplate V	REG_DWORD	dde096db-3577-4675-95fb-822e94b88a67 0x00000001 (1)	~

- e. You can then close the Registry Editor to commit the changes.
- 7. Restart the Manager server.
- 8. The restored data components should now provide you with the same functionality as before.