# Windows Scheduled Task for ImDisk RAM Drive

The ImDisk Virtual Disk Driver is used on the BlackStorm Server computer to create a 128MB RAM Disk that stores user interface images for fast access. A Windows scheduled task creates the RAM Disk each time you start up the BlackStorm Server computer.

## Setup

The Windows Task Scheduler is used to define a scheduled task that creates a RAM Disk at system startup.

#### To define the scheduled ImDisk RAM Drive create task at system startup:

- 1. From the Windows Desktop, click Start.
- 2. In the Search programs and file box, type task.
- 3. In the Programs section of the search results, click Task Scheduler.

The Task Scheduler window opens.

Task Scheduler		
<u>File</u> <u>Action</u> <u>V</u> iew <u>H</u> elp		
Task Scheduler (Local)	Task Scheduler Summary (Last refreshed: 4/18/2013 10:21:00 AM)	Actions
A 📑 Task Scheduler Library	A	Task Scheduler (Local)
Apple	Overview of Task Scheduler	Connect to Another Computer
Microsoft	Veu can use Task Scheduler to create and manage	
A dative Directory Rights	common tasks that your computer will carry out	Create Basic Task
Active Directory Rights	automatically at the times you specify. To begin, click	🕭 Create Task
Application Experience	a command in the Action menu.	Import Task
Autochk	Tacks are stored in folders in the Task Scheduler	Display All Rupping Tasks
Bluetooth	Library. To view or perform an operation on an	Cipital Anticipital
CertificateServicesClien	Tark Statur	Disable All Tasks History
Customer Experience Ir		AT Service Account Configuration
📔 Defrag	Status of tasks that have started in t	View
Diagnosis	Status of tasis that have stated in an	Back
DiskDiagnostic	Summary: 114 total - 0 running, 114 succeeded, 0 stopped, 0 failed	Q Refresh
Location		P Help
Maintenance		
Media Center	Task Name Run Result Run Start	
MemoryDiagnostic	E Adoba Elarb Diaver Lindater (lar	
MobilePC	E Adobe Hash Player Opdater (Ias	
MUI	E AitAgent (act run susseeded at	
Multimedia	AltAgent (last run succeeded ac      E ConfigNetification (last run suc	
Net i race	El Configivotification (last run suc	
NetworkAccessProtecti	Last refreshed at 4/18/2013 10:21:00 AM Refresh	
	,	

- In the Task Scheduler (local) tree view on the left, expand the following folders: Task Scheduler Library > Microsoft
- 5. In the expanded Microsoft folder, select the Windows folder.
- 6. In the Actions tree view on the right, click Create Task ... .
- 7. The Create Task dialog box opens:

Create Task		
General Trigg	ers Actions Conditions Settings	
Name:		
Location:	\Microsoft\Windows	
Author:	WORKGROUP\mgraham	
Description:		
Security opti	ons	
When runni	ng the task, use the following user account:	
WORKGROU	P\mgraham Change User or Group	
Run only	when user is logged on	
Run whe	her user is logged on or not	
🗌 Do n	st store password. The task will only have access to local computer resources.	
🔲 Run with	highest privileges	
🔲 Hidden	Configure for: Windows Vista™, Windows Server™ 2008 ▼	
	OK Cancel	

8. In the Name box, type ImDiskStart.

9. In the Security Options section, click Change User or Group.

The Select User or Group dialog box opens.

elect User or Group	? ×
Select this object type:	
User, Group, or Built-in security principal	Object Types
From this location:	
MGRAHAM-VOSTRO	Locations
Enter the object name to select (examples):	
	Check Names
1	Check Names

- 10. In the Enter the object name to select box, type SYSTEM.
- 11. Click OK.

The Select User or Group dialog box closes, and the account used to run the task changes to NT AUTHORITY\SYSTEM.

12. In the Create Task dialog box, click the Triggers tab.

The Triggers tab opens:

Create Task		
eneral Triggers	Actions Conditions Settings	
When you create	e a task, you can specify the conditions that will trig	ger the task.
Trigger	Details	Status
<u>N</u> ew	Edit Delete	
		OK Cancel

13. Click New.

The New Triggers dialog box opens:

New Trigger	
Begin the task: Settings	On a schedule 🔹
<ul> <li>One time</li> <li>Daily</li> <li>Weekly</li> <li>Monthly</li> </ul>	Start: 4/18/2013 🐨 10:51:20 AM 🚖 🗈 Synchronize across time zones
Advanced settin	ngs or up to (random delav): 1 hour
Repeat task	every: 1 hour relation of: 1 day relation duration
Stop task if Expire: 4	it runs Jonger than: 3 days 💌 18/2014 🐨 10:51:34 AM 🛣 Synchronizg across time zones
☑ Ena <u>b</u> led	
	OK Cancel

- 14. Use the Begin the task list to select At startup.
- 15. In the Advanced Settings section, verify that the Enabled check box is selected.

16. Click OK.

The New Trigger dialog box closes, and the defined trigger is added the Triggers tab.

When you create	a task, you can specify the conditions that will trig	ger the task.
Trigger	Details	Status
At startup	At system startup	Enabled

17. In the Create Task dialog box, click the Actions tab.

The Actions tab opens:

Action Details	Create Task General Triggers When you creat	Actions Conditions !	Settings the action that will o	iccur when your ta	ask starts.	
New Edit Delete	Action	Details				•
	<u>N</u> ew	<u>E</u> dit <u>D</u> elete				_

#### 18. Click New.

The New Action dialog box opens:

New Action					x
You mus	it specify what action this task will per	rform.			
Action:	Start a program				•
Settings	;				
Progra	m/script:				
				Browse	
<u>A</u> dd ar	rguments (optional):				
S <u>t</u> art ir	n (optional):				
			ОК	Cancel	
Start ir	ı (optional):		OK	Cancel	

- 19. Use the Action list to select Start a program.
- 20. In the Program/script box of the Settings section, type the following command:

C: Ross BlackStorm bin imdisk-start.cmd

21. Click OK.

The New Action dialog box closes, and the defined action is added the Actions tab.

Oreate Task		<b>—</b> ×
General Triggers A	tions Conditions Settings	
When you create a t	ask, you must specify the action that will occur whe	en your task starts.
Action	Details	
Start a program	C:\Ross\BlackStorm\bin\imdisk-start.cmd	
		•
		-
•		•
<u>N</u> ew	dit Delete	
		OK Cancel

22. In the Create Task dialog box, click the Conditions tab.

The Conditions tab opens:

Create Task		×
General Triggers Actions Conditions Settings		
Specify the conditions that, along with the trigger, det run if any condition specified here is not true. Idle	ermine whether the task shoul	d run. The task will not
Start the task only if the computer is idle for:	10 minutes	Ŧ
Wait for idle for:	1 hour	Ŧ
Stop if the computer ceases to be idle		
Restart if the idle state resumes		
Power ····································		
Stop if the computer switches to battery power		
Wake the computer to run this task		
Network		
Start only if the following network connection is av	ailable:	
Any connection		w
		OK Cancel

- 23. In the Power section, clear the following check boxes:
  - Stop if the computer switches to battery power
  - · Start the task only if the computer is on AC power
- 24. In the Create Task dialog box, click the Settings tab.

The Settings tab opens:

General Triggers Actions Conditions Settings	
Specify additional settings that affect the behavior of the task.	
✓ Allow task to be run on demand	
Run task as soon as possible after a scheduled start is miss	ed
If the task fails, restart every:	1 minute 👻
Attempt to restart up to:	3 times
Stop the task if it runs longer than:	3 days 👻
If the running task does not end when requested, force it t	to stop
If the task is not scheduled to run again, gelete it after:	30 days 👻
If the task is already running, then the following rule applies:	
Do not start a new instance 🔻	
	OK Cancel

25. Select the Run task as soon as possible after a scheduled start is missed check box.

## 26. Click OK.

The Create Task dialog box closes, and the defined scheduled task is added the Task Scheduler window.

Task Scheduler		
File Action View Help		
<ul> <li>Task Scheduler (Local)</li> <li>Cask Scheduler (Local)</li> <li>Apple</li> <li>Microsoft</li> <li>Windows Defender</li> <li>Windows Live</li> <li>OfficeSoftwareProtectionPlatform</li> <li>WPD</li> </ul>	Name     Status     Triggers     Next Run Time     Last Run Time     La       ImDiskStat     Ready     At sys     Never     Imoget Create Basic Task       Import Task     Create Basic Task     Create Task       Import Task     Create Basic Task       Import Task     Disable All Tasks History       Name     ImDiskStat       Location:     Microsoft/Windows       Author     WORKGROUP/mgraham       Description:     Ferded       Security options     Disable       When running the task, use the following user account:     Disable	• • •
· · · · · · · · · · · · · · · · · · ·	m     b     0     Properties	•

27. In the Task Scheduler window, use the File menu to select Exit.

The Task Scheduler window closes.

28. Restart the BlackStorm Server computer to create the RAM Disk to store user interface images.

#### **Contacting Technical Support**

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