iDataStreams Backup User Manual

Version 2.1 Last Update on March 17th, 2014

RingStor, Inc. 197 Route 18 South, Ste 3000 East Brunswick, NJ 08816

Table of Contents

1	Ove	erview3
	1.1	iDataStreams Data Protection
	1.2	Backup Agents3
	1.2.	.1 File Backup
2	Inst	tallation5
	2.1	System Requirements
	2.2	Install iDataStreams Backup5
3	iDa	taStreams Backup Console6
	3.1	Data7
	3.2	Backup11
	3.3	Recover
	3.4	Job Manager13
	3.5	Settings14
	3.6	Help15
4	Tas	sk Scheduling
	4.1	Introduction
5	Sys	stem Administration
	5.1	Job Manager
	5.2	License Management

1 Overview

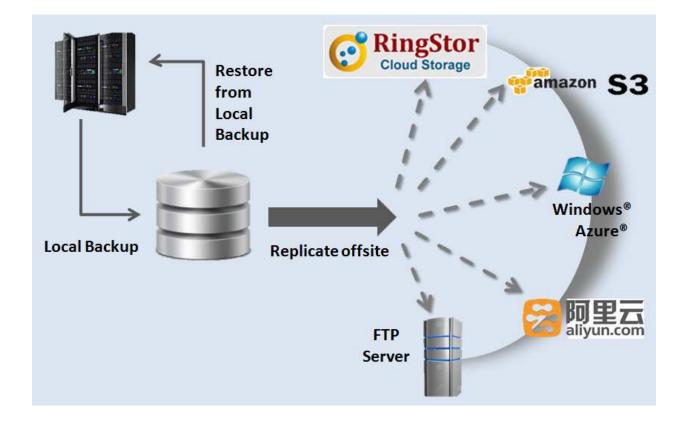
This user manual provides step by step instructions on how to install and manage iDataStreams Backup software, version 2.1. This document is also available on the web at http://www.idatastreamsbackup.com.

1.1 iDataStreams Data Protection

iDataStreams Backup software provides two different ways to backup the data: Local Backup and Offsite Replication.

Local Backup: data is backed up to local storage only

Offsite Replication: local backup is replicated offsite to the remote storage, as shown in picture below.



1.2 Backup Agents

iDataStreams is a suite of software installed on a computer whose application data requires protection. Each application data is supported by an Agent that provides backup service. Agent supported in release 2.1 is File Backup.

1.2.1 File Backup

A File Backup agent can maintain multiple copies at different point of time for same file. File Backup can run in form of one or more full backup, with a number of incremental backups. Files protected under File Backup can be restored to a point of time selected by user.

2 Installation

2.1 System Requirements

iDataStreams Backup can be installed on following platforms:

• Microsoft Windows XP/Vista/7/2003/2003 R2/2008/2008 R2/8/2012

The following third party software must be installed prior to iDataStreams installation:

Windows: Microsoft .NET Framework 3.5 is required. You may download .NET framework from microsoft.com at http://www.microsoft.com/en-us/download/details.aspx?id=21

2.2 Install iDataStreams Backup

Download proper version of the installation executable from http://www.idatastreams.com. Run the downloaded executable on the computer to install the software.

3 iDataStreams Backup Console

Upon install, a systray icon is created for iDataStreams, right click the icon and click Open Console to start iDataStreams Backup Console.

iDataStreams Backup Console is a graphic user interface (GUI) to access and manage backup and restore. In this interface, user can perform following functions:

- View/Manage DataSets
- View/Manage Schedules
- View/Manage Tasks
- View/Manage License

ata	Bac	kup	Recovery	Job Manager	Settings	Help	
new	Data	Set, o	click + butto	low, click the ico n. To import Da taSet Metadata	itaSet(s) fro	om remote off:	
Dat	aSets	5				G	2
			Name	Age	ent	Size	
護	P	m :	🗙 my dee	s File	Backup	0 Bytes	
•							
	1-1 0	ataSe	ets: 1				
			Bytes				

Figure 3.1 iDataStreams Backup Console

The chapter will provide an overview of this GUI.

3.1 Data

Data tab manages DataSets.

DataSet is a collection of application data on iDataStreams that require protection. DataSet's protection scheme

is supported by its associated Agent explained above.

Creation of a DataSet is the first step to implement data protection plan in iDataStreams. You may start **New DataSet Wizard** by clicking + green icon:

New DataSet Wizard

Step 1 – Name the DataSet

S Create New Da	taSet
	Name the DataSet and provide optional description
\sim	Name
	backup dataset 1
~	Description
	write some description here
	Note that the Next button is disabled until you type the name above. Back Next Cancel

Provide a friendly name for the DataSet.

Provide optional description for the DataSet.

Click Next to continue.

Step 2 – Depending on DataSet selected, specify contents for the DataSet

File Backup DataSet

Step 2.1 – Select Files/Folders

Create New Dat	aSet
	DataSet Contents
	Select/Remove folders/files from the DataAgent:: rswin2k3svr1
	⊕-
_	
	Back Next Cancel
	Dack IVEAL Califer

For File Backup agents, select folders and/or files on the computer.

Selected folders and/or files are DataSet's contents. All data in contents will be protected and thus can be recovered.

Step 3 – Provide optional filters

DataSet Contents Criteria
Provide optional criteria for selected DataSet contents
ex. *.docx, *.txt:
ex. *.docx, *.txt:
*
ex. c:\myfolder\mysubfolder d:\myfolder\mysubfolder\myfile.ext
Include hidden folders and files
Back Next Cancel

Final Step - Summary

Create New Da	taSet
	Summary
	DataSet: backup dataset 1 DataSet Contents:
	C:\Documents and Settings C:\Inetpub
	Back Finish Cancel

Verify DataSet's name and contents, click Back to make modifications, click Finish to create this DataSet. After creation, a pop up message will be displayed.

3.2 Backup

Backup tab manages on-demand or scheduled backup.

iDataStreams provides various ways to backup the data, backup to local disk, backup to selected public cloud storage, ex. Amazon S3.

ta	Backup	Recovery Job	Manager	Setting	s Help
	aSet				
	Agent	Select An Age	nt		-
1	DataSet				-
		4			
10.00	ckup Histo sk Type	ry Task State	Dr	ogress	Processed
Id	or type	Task oldie	11	ogiess	110063360
14.5					
0		, III.			
1.2	ckup Types	6			
Jau	ruh tyhea	N			
C) Full	Incremental	🔘 Dif	erential	File Level (VS)
C) Full		O Dif	erential	🔿 File Level (VS
8		Incremental	5	erential	File Level (VS)
8			5	erential	File Level (VS)
8	vide Folde	Incremental	a	erential	File Level (VS
8	vide Folde	Incremental r for Backup Dat	a	erential	
8	vide Folde C:\iData	Incremental r for Backup Dat	a ckups		
Pilo	vide Folde C:\iData ex: c:\m	Incremental r for Backup Dat StreamsLocalBa	a ckups		
Pilo	vide Folde C:\iData	Incremental r for Backup Dat StreamsLocalBa	a ckups		
Pro	vide Folde C:\iDatas ex: c:\m plication	Incremental r for Backup Dat StreamsLocalBa	a ckups r\sharedp	ath	
Pilo	vide Folde C:\iDatas ex: c:\m plication Replicat	Incremental r for Backup Dat StreamsLocalBa nydata, \\myserve te backup to:	a ckups r\sharedp Selec	ath t a Replic	ation Site
Pro	vide Folde C:\iData ex: c:\m plication Replicat Dele	Incremental r for Backup Dat StreamsLocalBa hydata, \\myserve te backup to: te local backup a	a ckups r\sharedp Selec after replic	ath t a Replic	ation Site 👻
Pilo	vide Folde C:\iData ex: c:\m plication Replicat Dele	Incremental r for Backup Dat StreamsLocalBa nydata, \\myserve te backup to:	a ckups r\sharedp Selec after replic	ath t a Replic	ation Site 👻
Pilo	vide Folde C:\iData ex: c:\m plication Replicat Dele	Incremental r for Backup Dat StreamsLocalBa hydata, \\myserve te backup to: te local backup a	a ckups r\sharedp Selec after replic	ath t a Replic	ation Site 👻
on	vide Folde C:\iData ex: c:\m plication Replicat Dele	Incremental r for Backup Dat StreamsLocalBa hydata, \\myserve te backup to: te local backup a	a ckups r\sharedp Selec after replic	ath t a Replic	ation Site 👻

3.3 Recover

Recover tab manages data restore.

Data protected by iDataStreams can be recovered from Recover tab.

ta	Backup	Recovery	Job Manager Settings Help
Dat	aSet		
	Agent	File Back	kup
C	DataSet	my docs	20180 X
		(**************************************
Sel	ect a Loca	I Backup for	r Restore
Bro	owse back	ups from:	Select a Backup Location
Se	lect a back	kup to resto	re:
Bro	wse and F	Restore	
0	RestoreA	AL .	
0	Restore S	Selected	
)es @	tination) Restore	to original l	
es ©	tination) Restore) Restore ex. c:\m	to original I to this folder	er
es ©	tination) Restore) Restore ex. c:\m	to original I to this folder	er 📃 📖
es ©	tination) Restore) Restore ex. c:\m	to original I to this folder	er

3.4 Job Manager

Job Manager tab is used to view and manage running backup and restore tasks.

ta	Васкир	Recovery Job Ma	anager Settings	Help
			bs for all DataSets	
belo	w. Right cli	ck one job to view	options to manage	the job.
Rec	ent Jobs			
	taSet	Task Type	Task State	Progress
•		m		
Te	tal: 0			
10	lai. U			

3.5 Settings

Settings tab provides ways to manage replication sites, license and retention.

	Backup Recovery Job Manager Settings Help
Rep	lication Sites
	Select a Replication Site
[Modify Remove Credentials
Lice	nse
Ev	aluation License
Но	me or Personal Edition - protect up to 100 GB
Ex	pire On: Saturday, June 07, 2014
Bar	commercial license? Click Purchase License to get a new commercial license, then click Update button to apply. Purchase License Update License kup Retention Update License
	saved at local backup location:
[Minimum number of FULL backups must be 2 2
	Update Retention
ba	II backup is recommend once a month or week, incremental ickup runs every day when full backup is not scheduled. ataStreams Backup will delete backup data that meet the retention le.
ru	

3.6 Help

Help tab provides links to online help and online license terms and agreements.

Data	Backup	Recovery Job Manag	er Settings Help
	🐹 iD	ataStreams backup	iDataStreams Backup Version 2.1 © 2011-2014 RingStor, Inc. All rights reserved
Hel	p Resource	S	
E	ollow Quick	Start Guide on how to	use iDataStreams
s	ubmit a sup	port request online	
P	ost a questi	on to iDataStreams Go	pogle Group
End	11 Iser Licer	nse Agreement	
	<u>(</u>	Click to Review Terms	and Conditions
		Close	9

4 Task Scheduling

4.1 Introduction

Task is the action to transmit data within iDataStreams.

iDataStreams supports various types of task:

• Backup – to provide data protection for File Backup agent

Scheduling a task is a series of steps managed by click Schedule button on Backup tab.

eneral Pre and Post Scripts	
Basic Info	
Name:	
Notes:	*
Schedule	
Day(s) 🔲 Mon 📄 Tue 📄 We	d 🔄 Thu
🔲 Fri 📄 Sat 📄 Su	n
Time: 00 • : 00 •	
End Date <a> Never end	
End on: 05/10/2014	
© End on: 05/10/2014	

5 System Administration

5.1 Job Manager

Current tasks are displayed and can be managed in Job Manager tab.

Depending on the state of the task, you may manage task by Resume – resume a task that is either suspended or in wait state Suspend – suspend a task that is either running or in wait state Kill – kill a task

Each task goes through different state. Following tables list the possible states:

Scanning – task is scanning files and folders Running – task is transmitting data Assembling – task is assembling data blocks into application data Suspended – task is suspended by user, stop running Killed – task is killed by user Failed – task failed

5.2 License Management

License must be valid for iDataStreams to start successfully. If license is invalid or expired, all backups are disabled.

Settings table shows current license info and usage.

To purchase a commercial license, click "Purchase License" to start.