# **Macrium Backup Manual**



## **Macrium Reflect Workstation**

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## **1. Installation Guide**

## **1.1 Macrium Reflect Download Agent**

Start the Macrium Reflect Download Agent

If available, enter the License Key in the designated field. Otherwise chose "Workstation" as the required Edition.



Select Macrium Reflect software to download

Or enter license key

wnload	
Workstation	
I	

Select a folder for the Download of the Macrium Installer and check the option *Run Installer after Downloading* Afterwards click on the *Download* Button below

X	select additional o	omponents for subsequent of	fline installs.		
	Save to folder	C:\Download			
	🗹 Run installer di	rectly after downloading		[	Options
Registra	ation Information —				
	Name	N/A			
<u>,</u> ,,	Company Name	N/A			
ownlo	ad Information				
	Selected Download	d: Reflect Installer Only			
$\mathcal{T}^{\parallel}$	OMB of OMB (0%)	)			
					Bauco



### **1.2 Macrium Reflect Workstation Setup**

Follow the Instructions of the Setup process.

When you reach the Custom Setup page, **uncheck** the *Install Image Guardian* option and choose *Install Location*.

ø	Macrium Reflect Workstation	v8.0.6979 (64-Bit) Setup	×
	Custom Setup Customize the Reflect installation.		*
	Use the following options to cust Install CBT Changed block tracking for h Install Image Guardian Ransomware protection for I Install viBoot Install VM booting of Macriu Install Desktop Shortcut Install location :	tomize the Reflect install igh performance backups Macrium backups m backups C:\Program Files\Macrium\Reflect\	Browse
		< Back Next >	Cancel

Finish the Installation process and **restart** your PC.



## 2 Create Bootable Media

Start Macrium Reflect Workstation

Macrium Reflect Workstation - v8.0	0.6979 [UEFI]	
File View Backup Restore	Other Tasks Help	
	🚫 Create Rescue Media	
	Edit Defaults and Settings     Navigate to Create Rescu	е
Rescue Defaults Updates	Export/Import Settings Media	
Create Backups Evisting Backups	Check for updates	
Create Backups Existing Backups	View Windows VSS Events	
Create Backup Tasks	Fix VSS Problems	
Image selected disks on this	🥏 Macrium Image Guardian Settings	
computer	Change Theme	
Create an image of the part	tition(s) Disk 1 GPT [C7D0CC57-E692-4DB2-923D	
Windows	T - NO NAME (None)	

#### In the Rescue Media Settings:

🚫 Macrium Rescue Media Builder - Workstat	on (64-Bit)		×	
File Logs Help				
Rescue Media Settings			Show more	
Windows RE: Wi Macrium Reflect: Wi Status: Wi	ndows RE 10 version orkstation (64-Bit) M file not found ck 'Build' to update.	2004 (64-Bit)		
Select Device				select the <i>Removable USB</i>
Windows Boot Menu           Add/change the boot menu for the	e selected Windows	PE version		<ul> <li>Flash Drive you want to use as your</li> </ul>
Removable USB Flash Drive KingstonDataTraveler 2.0 - D: USB	3,73 GB			BOOT STICK
ISO File     Create new ISO File				Check for devices
USB Rescue Media options				<i>boot</i> should be
Check for devices missing drivers on boot				activated
🗹 Enable Multi Boot (MBR/UEFI) - Recomme	nded for your systen	ı.		
	Advanced	Build	Close	

To finish the process, click on the *Build* button and wait.



# 3 Create Backup

To create a Backup with Macrium, you either must boot from the Macrium Boot Stick (see how to create one in chapter 2) or start the Macrium software on your PC (usually found in your **Rotas for Experts** folder)

Click on *Create Backup* on the upper left side, and select the *Image selected disks on this computer* option.

Create	Backups	Existing Backups	Logs	
	ate Backu	ip Tasks		
	] <sup>Image s</sup>	elected disks on this	computer	
	Create a and rest	an image of the partiti ore Windows	on(s) requir	ed to backup
\$	Create a	a File and Folder back	kup	

In the following window you can choose the disks you want to backup.

Usually this should be the Intel SSD (Disk 1 in this picture) with the Windows System and Discom Application on it. Probably you want to save Data (D:) too, then you must also check *Intel Raid 1 Volume* (Disk 3 in this picture).

Source	ect Source Drive(s)	& Partition(s)			
	Disk 1 GPT [F16AF9A5-5C3B-41	AC-8456-D7EF097263DC] - INT	EL SSDSC2KB480G8 XCV10132 <4	147.13 GB>	
	1 - (None) Primary - Unformatted 1280 MB	2 - NO NAME (None) Primary - FAT32 (LBA) 29.9 MB 100.0 MB	3 - (None) Primary - NTFS 439.8 MB 508.0 MB	4 - (C:) Primary - NTFS 51.01 GB 446.41 GB	** •
	Disk 2 MBR [07AE3E1F] - WDC	WD105PZX-08Z10 05.01A05 <	931.51 GB>		
	1 - Backup (E:) Primary - NTFS				-3 <sup>2</sup>
	145.1 MB 931.51 GB				
	Disk 3 MBR [261D5FA7] - Intel	Raid 1 Volume 1.0.00 <931.51 (	GB>		
	1 - Data (D:) Active - NTFS				-32
	972.9 MB 931.51 GB				~
	Disk 4 MBR [18024020] - USB	SanDisk 3.2Gen1 1.00 <14.32 0	5B>		
	Active - FAT32 (LBA)				
	616.8 MB 14.32 GB				



#### In the Destination section,

Destination		
Folder	E: \Macrium Backup \	select where to
	Alternative locations	save the Macrium
CD/DVD Burner	~	Deeleure
Backup File Name	SystemC,D {	васкир
Type '{ for parameters	E: Wacrium Backup\{IMAGEID}-SystemC,D-00-00.mrimg	
		choose a name for
Advanced Options	Help <back next=""> Cancel Finish</back>	your Backup file.

#### In this case we decided to store the Backup on our internal Backup Disk.

>	👌 Music	^
> [	Pictures	
>	📲 Videos	
>	🕳 Local Disk (C:)	
>	🔜 Data (D:)	
~ .	🕳 Backup (E:)	
	📙 Macrium Backup	
	Libraries	
1	Network	

After selecting a Destination Folder and entering a file name, click on the *Finish* button and check the *Run this backup now* option in the upcoming window.



Hit the OK button and the Backup Process will start.



## 4 Recover an Image

To recover an Image, you either must boot from the Macrium Boot Stick (see how to create one in chapter 2) or start the Macrium software on your PC (usually found in your **Rotas for Experts** folder)

Macrium Reflect Workstation - v8.0.6979 [UEFI]	
File View Backup Restore Other Tasks He	łp
Image: Rescue     Image: Defaults     Image: Defaults     Image: Defaults       Create Backups     Evisting Backups     Logs	
Create backaps   Existing backaps   Edgs	
Existing Backup Tasks	Select the Existing Backups lab on the
Open an image or backup file in Windows Explorer	upper left side.
$arepsilon_{igodot}$ Detach a backup image from Windows Explorer	
▲ Details	
ID: 88CDB52831E9737A	
Type: Full	
Date: 9/16/2022 12:21 PM	
	I
	Image File and Folder
	🔂 Browse for an image file

Choose Browse for an image file

and navigate to the location with your Macrium Backup.

(In this case we select the Delivery Image from our Internal Backup Disk, which can be found on every Discom PC)

> * 🛧 📙 > Tł	nis PC > Backup (E:) > Macrium Backup	~	õ	Search Macrium Ba	ackup 🔎
Organize 🔻 New fold	er				- 🔳 🕻
1 Ouistan	Name	Date modified		Туре	Size
Deskton	88CDB52831E9737A-SystemC,D-00-00.mr.	. 9/16/2022 12:20	5 PM	Disk Image	23,715,945
Downloads					
🗄 Documents 🛛 🖈					
📰 Pictures 🛛 🖈					
E Pictures 🛛 🖈 OneDrive					
E Pictures * OneDrive This PC					
Pictures *  OneDrive This PC Network					
Pictures  OneDrive  This PC  Network					
Pictures  OneDrive  This PC  Network					
Pictures OneDrive This PC Network					



#### After choosing the Image to recover you must select the Restore option

Images t	hat contain drive:	All Drives	✓ Back	kups From D	efinition	All			Vie	w As	Backup Sets 🛛 🗸		
Edit	Remove	Refresh	E 🕣 Browse	E Restore	viBoot	E⊙ Verify	New	) Delete	Comment	Au	<b> </b> ≒  uto Size		
Selected Fe	older	Path		$\smile$			Definition	ImagelD		Туре	Date	Size	Comment
E:\Macri	ium Backup	ם ב:\M ב מיינים	acrium Bao 88CDB5283	ckup\ 1E9737A-Sy	stemC,D-00	)-00.mrimg		88CDB528	331E9737A	Full	9/16/2022 12:21 PM	22.62 GB	

In the upcoming window, you can at first choose which partitions or disks you want to recover.

Drag Partitions to the Destination Disk or click 'Copy Partitions'									
Source	9/16/202	2 12:21 PM E: Mac	rium Backup	88CDB52831E9737A	-SystemC,D-	00-00.mrimg		Select a different source	e disk
( <b>*</b> )		Disk 1 GPT [F16AF9A5-	5C3B-41AC-84	56-D7EF097263DC] - IN	ITEL SSDSC2KE	8480G8 XCV10132 <447.1	13 GB>		
<u> </u>		Primary - Unformatte	ed	2 - NO NAME (I Primary - FAT32 (LB)	None) A)	3 - (None) Primary - NTFS		4 - (C:) Primary - NTFS	
		128.0 MB 128.0 MB	✓	29.9 MB 100.0 MB	✓	435.8 MB 508.0 MB	<ul><li>✓</li></ul>	40.03 GB 446.41 GB	$\checkmark$

By clicking on the *Select a different source disk...* option you can switch between different disks from your image. (In this example we have a Backup of the SSD with the Windows System and the Intel Raid Disk with Data (D:).

You must recover one disk at a time, it is not possible to recover two disks at once.

	ik 1 GPT [F16AF9A5-5C3B-41AC-8456-D7EF097263DC] - INTEL SSDSC2KB480G8 XCV10132 <447.13 GB>								
	1 - (None) Primary - Unformatted	2 - NO NAME (None) Primary - FAT32 (LBA)	3 - (None) Primary - NTFS	4 - (C) Primary - NTFS					
	128.0 MB 128.0 MB	29.9 MB 100.0 MB	435.8 MB 508.0 MB	40.03 GB 446.41 GB					
	Disk 1 GPT [F16AF9A5-5C3B-41AC-	8456-D7EF097263DC] - INTEL SSDSC	2KB480G8 XCV10132 <447.13 GB>						
	1 - (None) Primary - Unformatted	2 - NO NAME (None) Primary - FAT32 (LBA)	3 - (None) Primary - NTFS	4 - (C:) Primary - NTFS					
r i									
	128.0 MB 128.0 MB	29.9 MB 100.0 MB	435.8 MB 508.0 MB	40.03 GB 446.41 GB					
	Disk 3 MBR [261D5FA7] - Intel Raid	1 Volume 1.0.00 <931.50 GB>							
	1 - Data (D:) Active - NTFS								
	968.9 MB 931.51 GB	968.9 MB 931.51 GB							



In the *Destination* section you can choose the target disk for your image.

For this example, we have chosen the System Drive (Disk 1) as our source, and we recover the Image to the target Disk 1.

Destination					Select a different target disk
	₽ <u></u>	ppy Partitions	isk 🗵 <u>D</u> elete Partition	<u>Undo</u>	
		Disk 1 GPT [F16AF9A5-5C3B-41AC-84	56-D7EF097263DC] - INTEL SSDSC2K	B480G8 XCV10132 <447.13 GB>	
-		1 - (None) Primary - Unformatted	2 - NO NAME (None) Primary - FAT32 (LBA)	3 - (None) Primary - NTFS	4 - (C:) Primary - NTFS
		128.0 MB 128.0 MB	29.9 MB 100.0 MB	439.8 MB 508.0 MB	51.66 GB 446.41 GB
					Verify image before restore Copy selected partitions when I click 'Next'
				Help < Ba	ack Next > Cancel Finish .:

To choose another target disk, click on the *Select a different target disk...* option. You now see all the Disks available in your PC and can select a different target.

	Disk 1 GPT [F16AF9A5-5C3B-41AC-&	456-D7EF097263DC] - INTEL SSDSC	2KB480G8 XCV10132 <447.13 GB>		^
	1 - (None) Primary - Unformatted	2 - NO NAME (None) Primary - FAT32 (LBA)	3 - (None) Primary - NTFS	4 - (C:) Primary - NTFS	
	128.0 MB	29.9 MB	439.8 MB	51.66 GB	
	128.0 MB	100.0 MB	508.0 MB	446.41 GB	
	Disk 2 MBR [07AE3E1F] - WDC WD1	05PZX-08Z10 05.01A05 <931.51 GE	}>		
<u> </u>	1 - Backup (E:) Primary - NTFS				
	22.76 GB 931.51 GB				
	Disk 3 MBR [261D5FA7] - Intel Raid 1	1 Volume 1.0.00 <931.51 GB>			
	1 - Data (D:) Active - NTFS				
	072.0 MB				
	931.51 GB				



If you have chosen the source and target disk, click *Next*. A short summary of the Recovery task is shown in the upcoming window. You can check if everything is correct and start the recovery process, by clicking the *Finish* button.

Restore Summary			î				
Ê	Image File:     E:\Macrium Backup\88CDB52831E9737A-SystemC,D-00-00.mrimg       Image ID:     88CDB52831E9737A       Date:     Friday, September 16, 2022       Time:     12:21 PM       Image Type:     Full						
	Source Disk: Geometry: Destination Disk:	Disk 1 GPT [F16AF9A5-5C3B-41AC-8456-D7EF097263DC] - INTEL SSDSC2KB480G8 XCV10132 <447.13 GB> 58369\63\512 Disk 1 GPT [F16AF9A5-5C3B-41AC-8456-D7EF097263DC] - INTEL SSDSC2KB480G8 XCV10132 <447.13 GB>					
	Verify: Delta: SSD Trim: Power Saving:	N Y Y N	ļ				
Sched	ules						
		None					
Opera	tion 1 of 4						
	Restore Partition:	1 - <no name=""> Unformatted 128.0 MB / 128.0 MB</no>					
	Drive Letter:	None					
	Start Sector:	34					
	End Sector:	262,177					
	Partition Type:	Primary	~				
/9 <u>a</u>	vanced Options	Help         < Back         Next >         Cancel         Finish					