CARBONITE SAFE BACKUP PRO

The Carbonite Script Deployment Guide for Windows

Table of Contents

Carbonite offers sample Batch and Powershell scripts to assist you with deploying Carbonite to your network.

- **If these instructions feel too difficult or if you aren't sure if you have access to deploy software on your network, please contact your network administrator for assistance or you may want to [invite users to your Carbonite account](#) and have them [manually install Carbonite on their systems](#).**

Prerequisites

Before you can successfully deploy Carbonite to your network via our provided scripts, you need to ensure that the following are done:

- Ensure you have the MSI file downloaded. If you haven't already, please use [these instructions](#) to download the Carbonite Installer.

- Ensure you have the COMPANYID for your account readily available

- Ensure you have reviewed or created any additional Backup Policies that you wish to deploy to your end users.

- Ensure you have the PSTools suite of tools as both scripts utilize **psexec**. You can download them at https://technet.microsoft.com/en-us/sysinternals/bb842062.

- Ensure that File and Printer sharing is turned on for all computers that you are going to have Carbonite deployed to them.

- Ensure you create a text file with a list of computers and policies that you are going to have Carbonite deployed on.

- Ensure that the MSI file and Text file with computer names & policies are in a location on the network that is accessible by the admin on all computers.

You can use these batch scripts to deploy a single backup policy or multiple backup policies.

Deploy a Single Backup Policy to Your Network

These instructions will assist you with correctly setting up the text file and script for you to deploy a single policy to all the computers listed in the computer list file.

Creating the Computer List

This method of installing uses a text file with the names of computers that will be used in the deployment process. You can name the file anything you'd like, but you will need to remember it and call it in the script. The text file should look like the example below:

ComputerName1
ComputerName2
ComputerName3
ComputerName4

We offer two sample scripts through your Carbonite account to assist with deploying Carbonite:

Batch Script

This script is used as a tool to assist you with installing Carbonite remotely via a batch script.

```
rem //-------------------------------
rem // MSI remote install sample script
rem //-------------------------------
rem
rem Script assumes PSTools suite has been installed in the admin machine
rem where the script will be run. The MSI can be placed in a shared
rem folder accessible to all client machines at msilocation. The file computer
rem list would typically contain the hostnames of the target machines as below
rem
rem
rem test-client1
rem test-cleint2
rem test-client3
rem .....

@echo off

for /F %%c in (COMPUTER LIST FILE LOCATION) do (
```

```
echo Starting Carbonite install on %%c
date/t
time/t

rem // Command syntax for install:
psexec.exe \\%%c -s -d -accepteula -u ADMIN NETWORK USERNAME -p ADMIN NETWORK PASSWORD msiexec
/i \\LOCATION OF MSI FILE COMPANYID=COMPANYID FROM ACCOUNT POLICY="POLICY NAME"
THROTTLE_INITIAL_BACKUP=[0/1]THROTTLE_KBPS=[###] /quiet /l*v carbonite-install-log.txt

)

@echo on
```

MSI Parameters Explanation

- **COMPANYID** - This is a required parameter for the code. This is a unique code found in your Carbonite Safe Pro account that will link the installed Carbonite software to your account.

- **POLICY** - If you have multiple policies, you can type the name of the policy within the quotation marks and the software will use that backup policy for the installation and backup. The policy can always be changed after Carbonite is installed through your Carbonite Safe Pro account. If no policy is stated it will default to the **Carbonite Default** policy.

- **THROTTLE_INITIAL_BACKUP=0** - Placing this optional parameter in the script will make it so that your backups are always throttled.

- **THROTTLE_INITIAL_BACKUP=1** - Placing this optional parameter in the script will make it so that your backups are throttled for only the initial backup. After the initial backup completes, the backup speed will no longer be throttled down.

- **THROTTLE_KBPS** - This optional parameter should be used in conjunction with the THROTTLE_INITIAL_BACKUP options listed above. It will set the maximum backup speed in kilobytes per second for your backup.

You can now deploy Carbonite to your network. Once you have successfully deployed Carbonite to your network, all the computers will be listed under your account with all their associated policies.

COMPUTER ▲	USER	STORAGE		BACKUP STATUS	BACKUP POLICY
■ TEST-CLIENT0	ABC Billing Owner (Billing Owner)	0 GB	0%	Last backup complete Aug 6, 2015	NoMusicVideo ▾
■ TEST-CLIENT1	ABC Billing Owner (Billing Owner)	.01 GB	0%	Backup in progress (0% complete)	Carbonite Default ▾
■ TEST-CLIENT3	ABC Billing Owner (Billing Owner)	.01 GB	0%	Last backup complete Aug 6, 2015	NoMusicVideo ▾
■ TEST-CLIENT4	ABC Billing Owner (Billing Owner)	0 GB	0%	Last backup complete Aug 6, 2015	Only Pictures ▾
4 computers	1 users (1 administrators)	.01 GB	0%	0 problems	Manage backup policies

PowerShell Script

This script is used as a tool to assist you with installing Carbonite remotely via PowerShell.

$machines = gc **COMPUTER LIST FILE LOCATION**

foreach ($machine in $machines) {
if (test-Connection -Cn $machine -quiet)
{

"found $machine"
psexec "\\$machine" -s -d -accepteula -u **ADMIN NETWORK USERNAME** -p **ADMIN NETWORK PASSWORD** msiexec /i **LOCATION OF MSI FILE** COMPANYID=**COMPANYID FROM ACCOUNT** POLICY="**POLICY NAME**" THROTTLE_INITIAL_BACKUP=**[0/1]**THROTTLE_KBPS=**[###]** /quiet 2>&1 | %{"$_"}

if($LASTEXITCODE -ne 0)
{
throw "Command returned exit code $LASTEXITCODE"

}
else
{
Write-Host "Command finished successfully"
}

}
else
{

```
"$machine is not online"
}
}
```

MSI Parameters Explanation

- **COMPANYID** - This is a required parameter for the code. This is a unique code found in your Carbonite Safe Pro account that will link the installed Carbonite software to your account.

- **POLICY** - If you have multiple policies, you can type the name of the policy within the quotation marks and the software will use that backup policy for the installation and backup. The policy can always be changed after Carbonite is installed through your Carbonite Safe Pro account. If no policy is stated it will default to the **Carbonite Default** policy.

- **THROTTLE_INITIAL_BACKUP=0** - Placing this optional parameter in the script will make it so that your backups are always throttled.

- **THROTTLE_INITIAL_BACKUP=1** - Placing this optional parameter in the script will make it so that your backups are throttled for only the initial backup. After the initial backup completes, the backup speed will no longer be throttled down.

- **THROTTLE_KBPS** - This optional parameter should be used in conjunction with the THROTTLE_INITIAL_BACKUP options listed above. It will set the maximum backup speed in kilobytes per second for your backup.

You can now deploy Carbonite to your network through PowerShell. Once you have successfully deployed Carbonite to your network, all the computers will be listed under your account with all their associated policies.

Deploy Multiple Backup Policies to Your Network

These instructions will assist you with correctly setting up the text file and script for you to deploy multiple backup policies to all the computers listed in the computer list file.

Creating the Computer List

This method of installing uses a text file with the names of computers that will be used in the deployment process. You can name the file anything you'd like, but you will need to remember it and call it in the script. In the example below, you will see that each computer is assigned a policy so that the script can accurately assign the correct backup policy to the computer. The text file should look like the example below:

Batch Script Computer List File

ComputerName1,Policy1
ComputerName2,Policy1
ComputerName3,Policy2
ComputerName4,Policy3

PowerShell Script Computer List File

machine,policy
ComputerName1,Policy1
ComputerName2,Policy1
ComputerName3,Policy2
ComputerName4,Policy3

We offer two sample scripts through your Carbonite account to assist with deploying Carbonite:

Batch Script
This script is used as a tool to assist you with installing Carbonite remotely via a batch script.

```
rem //-------------------------------
rem // MSI remote install sample script
rem //-------------------------------
rem Script assumes PSTools suite has been installed in the admin machine
rem where the script will be run. Script assumes computer_list.txt is a comma
rem seperated file (csv) with computer name in the first column to be read into %%c
rem and corresponding policy on the second column to be read into %%d
rem example,
rem computer1,policy1
rem computer2,policy2
rem computer3,policy3
rem ......
```

```
@echo off
for /F "tokens=1-2 delims=," %%c in (COMPUTER LIST FILE LOCATION) do (

echo Starting Carbonite install on %%c... with policy %%d
rem // Command syntax for install:
psexec.exe \\%%c -s -d -accepteula -u ADMIN NETWORK USERNAME -p ADMIN NETWORK PASSWORD msiexec
/i \\LOCATION OF MSI FILE COMPANYID=COMPANYID FROM ACCOUNT POLICY="%%d"
THROTTLE_INITIAL_BACKUP=[0/1] THROTTLE_KBPS=[###]/quiet /l*v carbonite-install-log.txt
echo Completed Carbonite install on %%c with policy %%d.
)

@echo on
```

MSI Parameters Explanation

- **COMPANYID** - This is a required parameter for the code. This is a unique code found in your Carbonite Safe Pro account that will link the installed Carbonite software to your account.

- **POLICY** - This parameter will be pulled from the text file you created with the computer names and associated backup policies.

- **THROTTLE_INITIAL_BACKUP=0** - Placing this optional parameter in the script will make it so that your backups are always throttled.

- **THROTTLE_INITIAL_BACKUP=1** - Placing this optional parameter in the script will make it so that your backups are throttled for only the initial backup. After the initial backup completes, the backup speed will no longer be throttled down.

- **THROTTLE_KBPS** - This optional parameter should be used in conjunction with the THROTTLE_INITIAL_BACKUP options listed above. It will set the maximum backup speed in kilobytes per second for your backup.

You can now deploy Carbonite to your network. Once you have successfully deployed Carbonite to your network, all the computers will be listed under your account with all their associated policies.

COMPUTER ▲	USER	STORAGE		BACKUP STATUS	BACKUP POLICY
▦ TEST-CLIENT0	ABC Billing Owner (Billing Owner)	0 GB	0%	Last backup complete Aug 6, 2015	NoMusicVideo ▾
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▦ TEST-CLIENT3	ABC Billing Owner (Billing Owner)	.01 GB	0%	Last backup complete Aug 6, 2015	NoMusicVideo ▾
▦ TEST-CLIENT4	ABC Billing Owner (Billing Owner)	0 GB	0%	Last backup complete Aug 6, 2015	Only Pictures ▾
4 computers	1 users (1 administrators)	.01 GB	0%	0 problems	Manage backup policies

PowerShell Script

This script is used as a tool to assist you with installing Carbonite remotely via PowerShell.

```
# ----------------------------------------
# PowerShell remote install script
# ----------------------------------------
#
# Script assumes PSTools suite has been installed in the admin machine
# where the script will be run. The MSI can be placed in a shared
# folder accessible to all client machines at msilocation. The file computer
# list would typically contain the hostnames of the target machines as below
#
# machine,policy
# test-client1,policy1
# test-client2,policy2
# test-client3,policy3
# .....

$machines = import-csv "LOCATION OF COMPUTER LIST FILE"

foreach ($line in $machines) {
$m = $line.machine
$p=$line.policy

if (test-Connection -Cn $m -quiet)
{
"found $m with policy $p"
```

```
psexec "\\$m" -s -d -accepteula -u ADMIN NETWORK USERNAME -p ADMIN NETWORK PASSWORD msiexec /i
\\LOCATION OF MSI FILE COMPANYID=COMPANYID FROM ACCOUNT POLICY="$p"
THROTTLE_INITIAL_BACKUP=[0/1] THROTTLE_KBPS=[###]/quiet 2>&1 | %{"$_"}

if($LASTEXITCODE -ne 0)
{
throw "Command returned exit code $LASTEXITCODE"

}
else
{
Write-Host "Command finished successfully"
}

}
else
{
"$machine is not online"
}
}
```

MSI Parameters Explanation

- **COMPANYID** - This is a required parameter for the code. This is a unique code found in your Carbonite Safe Pro account that will link the installed Carbonite software to your account.

- **POLICY** - This will look at the text file you created and pull the associated backup policy from there.

- **THROTTLE_INITIAL_BACKUP=0** - Placing this optional parameter in the script will make it so that your backups are always throttled.

- **THROTTLE_INITIAL_BACKUP=1** - Placing this optional parameter in the script will make it so that your backups are throttled for only the initial backup. After the initial backup completes, the backup speed will no longer be throttled down.

- **THROTTLE_KBPS** - This optional parameter should be used in conjunction with the THROTTLE_INITIAL_BACKUP options listed above. It will set the maximum backup speed in kilobytes per second for your backup.

You can now deploy Carbonite to your network through PowerShell. Once you have successfully deployed Carbonite to your network, all the computers will be listed under your account with all their associated policies.

Additional Command-Line Parameters

Your script can be run with some additional parameters to change how it installs a computer.

- **POLICY** - The policy option is either manually entered by yourself and it refers to one of the policies on your account, is blank which will default to the *Carbonite Default* policy, or some variable which points to a computer list document that lists the computer name and policy associated with that name.

- **THROTTLE_INITIAL_BACKUP=0** - Placing this optional parameter in the script will make it so that your backups are always throttled.

- **THROTTLE_INITIAL_BACKUP=1** - Placing this optional parameter in the script will make it so that your backups are throttled for only the initial backup. After the initial backup completes, the backup speed will no longer be throttled down.

- **THROTTLE_KBPS** - This optional parameter should be used in conjunction with the THROTTLE_INITIAL_BACKUP options listed above. It will set the maximum backup speed in kilobytes per second for your backup.