Error A required privilege is not held by the client when building Windows PE

Windows PE rescue media creation fails and the following may be seen the the Windows PE log file:

```
ImageX Tool for Windows
Copyright (C) Microsoft Corp. All rights reserved.
Version: 6.2.9200.16384
Mounting: [C:\boot\macrium\WADKFiles\media\sources\boot.wim, 1] -> [C:\boot\macrium\WADKFiles\mount]...
[ 0% ] Mounting progress
Error mounting image.
A required privilege is not held by the client.
```

This error may indicate that default Windows security settings have been to be modified. Typically, this is caused by Anti-Virus/Security software or by incorrect 'Administrator' group assignments.

Note: To view the Windows PE log file click the 'View Log' button in the 'Prepare Windows PE Image' wizard page:

Rescue Media	a Wizard				
Prepare	Windows PE Ir	nage			
Select you	r architecture and WIM	Type, then press next			
Use the W	indows Assessment and	Deployment Kit to prepare the Reflect PE image			
Build the	PE Environment				
	PE Architecture:	64 Bit \checkmark			
64	🗹 Include optional con	nponents - required for iSCSI and BitLocker support			
	Automatically u	unlock BitLocker encrypted drives			
	Default base WIM (Recommended)	C:\ProgramData\Macrium\Reflect\Windows Kits\8.0\\winpe.wi	m		
	Custom base WIM				
For adva	anced users, a custom W	IM enables you to prepare your own Windows PE environment.			
Mounting t	he Windows Image File				
View Log Please press the Next button to continue.					
Help < Back Next > Cancel Finish					

To resolve follow the steps below:

Ensure that your Windows User Account is a member of the Administrators Group

1. Start the Windows 'Computer Management' console by running 'compmgmt.msc'

In Windows 10 type compmgmt.msc in the search box:

	📕 My s	tuff	2	O Web	þ	
-	compmg	mt.msc				
In Windows	s 7 and Vista cli	ck 'Start' and	type compm	mt.msc:		
com	omgmt.msc		Q			
	2		0			

2. Navigate to 'Local Users and Groups' > 'Groups', then right click on 'Administrators' and select 'Add to group'.

E Computer Management (Local	Name	Description
 System Tools Task Scheduler 	Access Control Assist	Members of this group can remot
> 🚺 Event Viewer	Administrators Backup Operators	Add to Group Iete an
 Shared Folders Iccal Users and Groups 	Provide Cryptographic Ope	All Tasks > perfor
Users Groups	Event Log Readers Guests	Delete unch, a n read e Rename ess as m
> 🔊 Performance 🚔 Device Manager	Hyper-V Administra	Properties ve com
 Storage Disk Management 	AllS_IUSRS Network Configura	Help have s
> 🛃 Services and Applications	🚈 Performance Log Users	Members of this group may sche
	🗿 Performance Monitor	Members of this group can acces
	Power Users	Power Users are included for back

dministrators P	roperties		?	×	
eneral					
Admin	histrators				
Description:	Administrators have com to the computer/domain		cted acces	s	
Members:					
Add	Remove User log	s to a user's group effective until the r s on.	membersh next time th	ip ie	
Add	Remove are not	effective until the r	membersh hext time th Hel	e	
	Remove are not user log OK Cancel	effective until the r s on.	next time th	e	
er your account na	Remove are not user log OK Cancel	effective until the r s on.	next time th	e	×
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ter your account na Select Users Select this object t Users or Built-in se From this location:	Remove are not ouser log OK Cancel me and click 'OK': ype: ecurity principals	effective until the r s on.	next time th	P Object Locat	Types

Ensure that the 'Administrators' Group is assigned to the 'Auditing and Security log'

1. Start the 'Local Group Policy Editor' by running 'gpedit.msc'.



The above example shows Windows 10. For other versions of Windows click the 'Start' button or press the Windows key and type 'gpedit.msc'

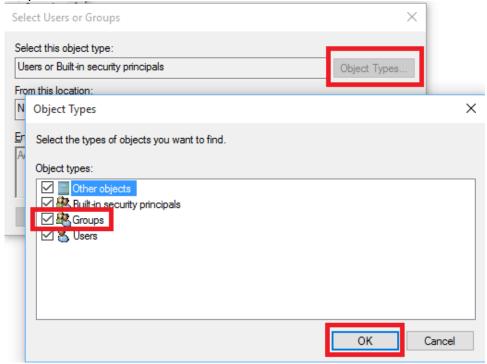
2. Navigate to 'Computer Configuration > Windows Settings > Security Settings > Local Policies > User Rights Assignment' and select 'Ma nage audit and security log'':

Local Group Policy Editor		-		×
File Action View Help				
듣 🔿 🚈 📰 💥 🖾 🔒 👔 📷				
 Local Computer Policy Computer Configuration Software Settings Windows Settings Software Resolution Policy Scripts (Startup/Shutdown) Deployed Printers Security Settings Security Settings Security Settings Security Settings Security Settings Mudit Policy Local Policies Local Policies Security Options Windows Firewall with Advanced Network List Manager Policies Software Restriction Policies Software Restriction Policies Software Audit Policy Onignation Policy-based QoS 	2	Policy Policy Policy Policy Policy Policy Porce shutdown from a remote system Generate security audits Impersonate a client after authentication Increase a process working set Increase scheduling priority Cod and unload device drivers Cod pages in memory Cog on as a batch job Cog on as a batch job Modify an object label Modify firmware environment values Perform volume maintenance tasks Profile single process Profile system performance Remove computer from docking station Replace a process level token Resource files and directories Profiles and directories Profiles and directories	Security S Administr LOCAL SE LOCAL SE Users, Syst Administr Administr Administr Administr Administr Administr Administr Administr Administr Administr Administr	ratc ERV ERV terr ratc ratc ratc ratc ratc ratc ratc ra
Administrative Templates	\checkmark	Shut down the system	Administr	ratc
< >>		<		>

3. Double click on 'Manage audit and security log' to display the Properties dialog:

Manage auditing and security log Properties	?	\times
Local Security Setting Explain		
Manage auditing and security log		
Add User or Group Remove		
OK Cancel	Ap	ply

4. Ensure that the 'Administrators' user group is shown, if not then click 'Add User or Group' then click the 'Object Types' button and select 'Groups'.



5.	Enter 'Administrators' and click 'OK':	
	Select Users or Groups	×
	Select this object type:	
	Users, Groups or Built-in security principals	Object Types
	From this location:	1
		Locations
	Enter the object names to select (<u>examples</u>):	
	Administrators	Check Names
	Advanced OK	Cancel
6.	Finally click 'OK' to save the changes:	
	Manage auditing and security log Properties	? ×
	Local Security Setting Explain	
	Manage auditing and security log	
	Administrators	
	Add User or Group Remove	
	OK Cancel	Apply