

# Win10 LTSC configuration on Thermo system PC's

The easiest way to upgrade is most likely to have Thermo help you upgrade and/or buy a new PC from Thermo and have them install it for you. Here are some settings we had to change to make the PC compatible with our lab.

In this document, I use screen shots preparing our Dell Optiplex XE4 for our Astral.

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## Lock screen settings

On our PC we were not able to customize the lock screen, in order to make this available go to the "group policy editor" (i.e. search for group policy editor in the search bar) and allow the prompt.



Under "User Configuration" open "Administrative Templates" and click on "All Settings":



On the right side find "Configure Windows spotlight on lock screen" do a right mouse click and select "edit". Change it to not configured. Go back to the lock screen and you should now be able to customize it.

💭 Configure Windows	spotlight on lo	ck screen	>	< +	Settings		- 🗆 X
Configure Windows	spotlight on lo	ck screen	Previous Setting Next Setting	6 н	ome	Lock screen	
Not Configured     Enabled     Disabled	Comment:			Find	a setting p	"Some of these settings are hidden or managed by your organization. Preview	Help from the web Changing lock screen background
5	Supported on:	At least Windo	ws 10	С. В.	ackground		Changing screen saver settings
Options:			Help:	କ c	olors		
Include content from	n Enterprise spot	light	Additionally, if you check the "include content from Enterprise spotlight" checkbox and your organization has setup an Enterprise spotlight content service in Aury, the lock scerem will display internal messages and communications configured in that service, where valiable. If your organization does not have an Enterprise spotlight content service, the checkbox will have no effect.	^ ⊑ु⊮ इर्थग %स	ock screen hemes	10:22 Laurisy kgat V	
			If you disable this policy setting, Windows spotlight will be turned off and users will no longer be able to select it as their lock screen. Users will see the default lock screen image and will be able to select another image, unless you have enabled the "Prevent changing lock screen image" policy.	BB SI □ Te	lart sikbar	Picture V Choose your picture	
			If you do not configure this policy, Windows spotlight will be available on the lock screen and will be selected by default, unless you have configured another default lock screen image using the "Force a specific default lock screen image" policy.				
			OK Cancel Apply	~		SCORDE	

# Change automatic lock screen when inactive

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Our PC would constantly (after 3 mins of inactivity) go to the lock screen during inactive times, forcing us to enter the pass word to log back in. To change that go to group policy editor as described above.

Navigate to Computer Configuration/Windows Settings/Security Settings/Local Policies/Security options/

On the right side find Interactive logon: Machine inactivity limit

Do a right mouse click and select edit, change the time to 0 seconds.

File Action View Help		
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Local Computer Policy	Policy	Security Setting
🗸 腄 Computer Configuration	Interactive logon: Number of previous logons to cache (in case domain controller is not available)	10 logops
Software Settings	Interactive logon: Promot user to change password before expiration	14 days
✓ I Windows Settings	Microsoft network server: Amount of idle time required before suspending session	15 minutes
Name Resolution Policy	Interactive logon: Machine inactivity limit	0 seconds
Scripts (Startup/Shutdown)	Domain members Maximum machine account parchard age	999 days
Deployed Printers	Microroft network server Server SPN target name validation lavel	Accent if provided by cli
Security Settings	Microsoft network server: Server Server and elect removable media	Administrators and later
> Account Policies	Devices, Allowed to format and eject removable media	AGE 120 LIMAG CLIAI A
Local Policies	Wetwork security: Configure encryption types allowed for kerberos	AES128_HMAC_SHA1,A
> 📴 Audit Policy	User Account Control: Behavior of the elevation prompt for standard users	Automatically deny elev
User Rights Assignment	Accounts: Rename administrator account	CISADMIN
Security Options	Accounts: Rename guest account	CISGUEST
> Windows Defender Firewall with Adv	Retwork access: Sharing and security model for local accounts	Classic - local users auth
Network List Manager Policies	🗓 Recovery console: Allow automatic administrative logon	Disabled
> Public Key Policies	Recovery console: Allow floppy copy and access to all drives and all folders	Disabled
> Software Restriction Policies	interactive logon: Require Domain Controller authentication to unlock workstation	Disabled
> Application Control Policies	🖏 Interactive logon: Don't display last signed-in	Disabled
😸 IP Security Policies on Local Compu	📖 User Account Control: Allow UIAccess applications to prompt for elevation without using the secure desktop	Disabled
> Advanced Audit Policy Configuratio	📖 Interactive logon: Require Windows Hello for Business or smart card	Disabled
Policy-based QoS	W User Account Control: Only elevate executables that are signed and validated	Disabled
<ul> <li>Administrative Templates</li> </ul>	System settings: Use Certificate Rules on Windows Executables for Software Restriction Policies	Disabled
> Control Panel	Audit: Audit the access of global system objects	Disabled
> 🔛 Network	Audit: Shut down system immediately if upable to log security audits	Disabled
Printers	Network access: Let Even one nermissions and/y to anonymous users	Disabled
Server Server	States custography (Le EIDS compliant algorithms for exception backing and righting	Dirabled
Start Menu and Taskbar	Aystern Cryptography. Ose host of Destruction and Destruction enclosed on the enclosed of the set of the	Disabled
> System	Adult Adult the ds of backup and restore privilege	Disabled
> Windows Components	Wetwork security: Allow Localsystem NOLL session failback	Disabled
All Settings	Wetwork security: Allow PK020 authentication requests to this computer to use online identities.	Disabled
V % User Configuration	Devices: Prevent users from installing printer drivers	Disabled
Software Settings	i Shutdown: Clear virtual memory pagefile	Disabled
V 🛄 Windows Settings	iii Microsoft network client: Send unencrypted password to third-party SMB servers	Disabled
Scripts (Logon/Logoff)	i Domain member: Disable machine account password changes	Disabled
> h Security Settings	iii Network access: Allow anonymous SID/Name translation	Disabled
> Policy-based QoS	B Accounts: Guest account status	Disabled

#### Now if you go back to your sign in option you will see "require sign-in" never:



# Windows Defender preventing software installation

When trying to install LC-devices Windows defender would pop up and not allow the installation.

To fix that go to group policy editor as described above.

Navigate to Computer Configuration/Administrative Templates/All settings

On the right side find Configure Windows Defender Smart Screen

Change the policy from "Warn and prevent bypass" to "Warn"

ocal Computer Policy	All Settings
Computer Contriguiation Software Settings Windows Settings Administrative Templates Control Panel Network Printers Server Start Menu and Taskbar	Configure Windows Defender SmartScreen Edit policy setting. At least Windows Rev 2012, Windows 8 or Windows RT Description:
System     System     Configure Windows Defender Sma	
All Setting: User Configuret Windows Defender Smat Software Settings Mindows Settings Administrative Templates Control Panel Other Settings Control Panel	een Previous Setting Next Setting
A Metwork     Shared Folders     Start Menu and Taskbar     System     System     Options:	least Windows Server 2012, Windows 8 or Windows RT
All Settings     Fick one of the following settings:     Warn     Warn      Warn     Warn     Varn	This policy allows you to turn Windows Defended SmartScreen on A- or of SmartScreen helps protect PCS by avaring users before running potentially malicious programs downloaded from the Internet. This warning is presented as an intestitial dialog shown before running an app that has been downloaded from the Internet and is uncercognized or known to be malicious. No dialog is shown for apps that do not appear to be suspicious.           Some information is sent to Microsoft about files and programs run on PCs with this fasture enabled.         If you enable this policy, SmartScreen will be turned on for all users. Its behavior can be controlled by the following options: - VVam and prevent bypass - VVam           If you enable this policy with the "Wam and prevent bypass" option to disregard the warning and run the app. SmartScreen will continue to show the warning on subsequent attempts to will



# View all configured group policy items

If you would like to to view all the configured policy items, go to group policy editor navigate to Computer Configuration/Administrative Templates on the right side pane do a right mouse click, select "View" and then "Filter Options" on the pop up window:

Local Group Policy Editor			
ile Action View Help			
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Cocal Computer Policy	G Administrative Templates		
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> 🚞 Software Settings	Select an item to view its description.	Second Parts	Store
> 🞽 Windows Settings		Control Panel	
V 🦳 Administrative Templates		Network	
> 📫 Control Panel		Printers	
> 🔛 Network		Server	
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Start Menu and Taskbar		Windows Components	
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### Now choose the filter options and hit ok:

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Now if you go to "All Settings" you will see all the configure group policy items.