

XP DCOM Issues

Use the F1 button on any page of a ThinManager wizard to launch Help for that page.

Visit <u>www.thinmanager.com/TechNotes4/01_Intro/Manuals.shtml</u> to download the manual, manual chapters, or the abridged ThinManual.

Using a Windows XP workstation to connect to a ThinManager Server can be blocked by DCOM issues. Thius Tech Note will explain how to configure the DCOM settings in XP and the ThinManager Server to allow access.

XP Workstation

Open the DCOM **Component Services** by selecting **Start > Control Panel > Administrative Tools > Component Services** or by typing **dcomcnfg** at the command prompt on the XP computer.



Component Services

Highlight *Console Root > Component Services > Computers > My Computer* then right click and select *Properties.* This will launch a properties window.

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Select the COM Security tab of the My Computer Properties window.

My Computer Propert	ies	? 🔀		
General Default Protocols	Options MSDTC	Default Properties COM Security		
Access Permissions You may edit who is allowed default access to applications. You may also set limits on applications that determine their own permissions.				
Launch and Activation Permissions You may edit who is allowed by default to launch applications or activate objects. You may also set limits on applications that determine their own permissions.				
	Edit Limits	Edit <u>D</u> efault		
	ОК	Cancel <u>A</u> pply		

My Computer Properties Windows

Select the Access Permissions *Edit Limits* button to launch the *Access Permissions* window.



Access Permission		? 🗙
Security Limits		
<u>G</u> roup or user names:		
🚮 ANONYMOUS LOGON		
🕵 Everyone		
,	Add	Bemove
Permissions for ANONYMOUS	All	
	Allow	
Remote Access		
,		
	OK	Cancel

Access Permissions

Make sure that **ANONYMOUS LOGON** is in the **Group or user names** list with both **Local Access** and **Remote Access** set to **Allow** then select **OK** to set the permissions.

ThinManager Server

Repeat the procedure listed above to set the Access Permissions of the ThinManager Server. (Open Component Services, open the My Computer Properties, select the COM Security tab, select Edit Limits).

Make sure that the user or group you want to connect to the ThinManager Server is in the **Group or user names** list with both **Local Access** and **Remote Access** set to **Allow** then select **OK** to set the permissions.

Once the access properties have been set, a user or group member from the access list can connect from the XP computer to the ThinManager Server.



Local Security Policy

ly Computer Properties		? ×		
General Default Protocols	Options MSDTC	Default Properties COM Security		
Access Permissions You may edit who is allowed default access to applications. You may also set limits on applications that determine their own permissions.				
	Edit <u>L</u> imits	Edit Default		
You may edit who is a activate objects. You determine their own p	allowed by default to la may also set limits on a permissions.	unch applications or applications that Edit <u>D</u> efault		
	ок	Cancel Apply		

Edit Limits Denied

If the ThinManager Server does not allow the setting of the access permissions through the Component Services console then you must use the local security policy to set permissions.

Type **secpol.msc** at a command prompt on the ThinManager Server. This will launch the **Local Security Settings** console.



http://www.communications.com/communications/commun		_	
<u>File Action View H</u> elp			
📴 Security Settings	Policy A	Security Setting	
🗄 🧰 Account Policies	Accounts: Administrator account status	Enabled	
🖻 🤷 Local Policies	Accounts: Guest account status	Disabled	
🕀 🥶 Audit Policy	🕮 Accounts: Limit local account use of blank passwords to console logon only	Enabled	
⊡	Accounts: Rename administrator account	Administrator	
English Security Options	Accounts: Rename guest account	Guest	
H. Public Key Policies	🕮 Audit: Audit the access of global system objects	Disabled	
TP Security Policies on Local Computer	🕮 Audit: Audit the use of Backup and Restore privilege	Disabled	
The Security Policies of Local Computer	BAudit: Shut down system immediately if unable to log security audits	Disabled	
	DCOM: Machine Access Restrictions in Security Descriptor Definition Langu	O:BAG:BAD:(A;;CCDCLC;;;LA)(l
	BDCOM: Machine Launch Restrictions in Security Descriptor Definition Langu	O:BAG:BAD:(A;)CCDCLCSWRP	
	🐯 Devices: Allow undock without having to log on	Enabled	
	💆 Devices: Allowed to format and eject removable media	Administrators	
	BDevices: Prevent users from installing printer drivers	Enabled	
	👸 Devices: Restrict CD-ROM access to locally logged-on user only	Disabled	
	🚆 Devices: Restrict floppy access to locally logged-on user only	Disabled	
	🐯 Devices: Unsigned driver installation behavior	Silently succeed	
	💆 Domain controller: Allow server operators to schedule tasks	Not Defined	
	👸 Domain controller: LDAP server signing requirements	Not Defined	
	💆 Domain controller: Refuse machine account password changes	Not Defined	
	👸 Domain member: Digitally encrypt or sign secure channel data (always)	Enabled	
	🗮 Domain member: Digitally encrypt secure channel data (when possible)	Enabled	
	🗮 Domain member: Digitally sign secure channel data (when possible)	Enabled	
	💆 Domain member: Disable machine account password changes	Disabled	
	Bomain member: Maximum machine account password age	30 days	
	🗮 Domain member: Require strong (Windows 2000 or later) session key	Disabled	
	🗮 Interactive logon: Display user information when the session is locked	Not Defined	
	🗮 Interactive logon: Do not display last user name	Disabled	
	Interactive logon: Do not require CTRL+ALT+DEL	Disabled	
	Interactive logon: Message text for users attempting to log on		

Local Security Settings Console

Expand the console tree and highlight Security Settings > Local Policies > Security Options. There are two important settings:

- DCOM: Machine Access Restrictions in Security Descriptor Definition Language (SDDL) syntax
- DCOM: Machine Launch Restrictions in Security Descriptor Definition Language (SDDL) syntax

Each setting needs edited.

Double click on the first setting (*DCOM: Machine Access Restrictions in Security Descriptor Definition Language (SDDL) syntax*) to launch the property window.



Template Security Policy Setting Explain This Setting
DCOM: Machine Access Restrictions in Security Descriptor Definition Language (SDDL) syntax
If the security descriptor is left blank after defining the policy setting in the template, the policy setting will not be enforced.
Security descriptor:
CCDCLC;;;LA)(A;;CCDCLC;;;AN)(A;;CCDCLC;;;WD)
OK Cancel Apply

DCOM Security Setting Property Window

Select the *Edit Security* button on the **Template Security Policy Setting** tab to launch the **Access Permissions** window.



Access Permission		? ×
Security Limits		
Group or user names:		
Administrator (GREEN\Adm	inistrator)	
ANONYMOUS LOGON		
23 E veryone		
1	Add	Bemove
	A <u>o</u> d	
Permissions for Administrator	Allow	Deny
Local Access		
Remote Access		
	OK	Cancel

Access Permissions Window

Make sure that the user or group you want to connect to the ThinManager Server is in the **Group or user names** list with both **Local Access** and **Remote Access** set to **Allow** then select **OK** to set the permissions.

Repeat this procedure with second setting (*DCOM: Machine Launch Restrictions in Security Descriptor Definition Language (SDDL) syntax*).

Once the user or group has been granted DCOM access on both computers the user should be able to connect from the XP computer to the ThinManager Server.