

# **INSTALLAZIONE DI CONNECT DIRECT 4.2.00 SU CLUSTER MICROSOFT**

#### REQUISITI PER L'INSTALLAZIONE:

- Due macchine in Cluster con Windows 2003 Server Enterprise Edition SP1
- Creazione in Active Directory dell'account ConnectDirectService e aggiunta nel gruppo degli Administrators locali
   di ogni nodo del Cluster
- Nome del Cluster TO1CLTS001
- Nome della risorsa di Cluster TO1APLS002 con autenticazione Kerberos
- Creazione in Active Directory del Computer TO1APLS002 con delega all'utente ClusterService
- Creazione su entrambe i nodi del Cluster dell'utente ConnectDirectService (in locale) e inclusione nel gruppo degli
   Administrators

#### PREPARAZIONE INSTALLAZIONE CONNECT DIRECT

Per entrambe i nodi aprire una Console mmc e richiamare lo Snap-In Group Policy Object Editor quindi Computer Configuration, Windows Setting, Security Setting, Local Policies, User Rights Assignment. Alla fine dovremmo arrivare a una schermata come quella mostrata in Figura sottostante

Elle       Action       Yiew       Favorites       Window       Help         Image: Console Root       Security Setting       Administrators         Image: Console Root       Policy       Security Setting       Administrators         Image: Console Root       Image: Console Console Root       Policy       Security Setting       Administrators         Image: Console Root       Image: Console Root       Policy       Image: Console Root       Administrators         Image: Console Root       Image: Console Root       Policy       Image: Console Root       Administrators         Image: Console Root       Image: Console Root       Policy       Image: Console Root       Policy       Image: Console Root         Image: Console Root       Image: Consot	_ 8
Image: Security Policy       Security Setting A         Image: Security Settings       Image: Security Settings         Image: Security Settings       Ima	_ 8
Console Root       Security Setting       ▲	
Image: Security Settings         Image: Security Settings       Image: Security Settings       Image: Security Settings       Image: Security Settings       Image: Security Settings         Image: Security Settings       Image: Security Settings       Image: Security Settings       Image: Security Settings       Image: Security Settings         Image: Security Settings       Image: Security Settings       Image: Security Settings       Image: Security Settings       Image: Security Settings         Image: Security Settings       Image: Security Settings       Image: Security Settings       Image: Security Settings       Image: Security Settings         Image: Security Settings       Image: Security Settings       Image: Security Settings       Image: Security Settings       Image: Security Settings         Image: Security Settings       Image: Security Setting Setti	
Computer Configuration       Import Force shutdown from a remote system       Administrators         Software Settings       Import Software Settings       Import Software Settings       Administrators         Software Settings       Import Software Settings       Import Software Settings       Administrators         Software Settings       Import Software Settings       Import Software Settings       Administrators         Software Settings       Import Software Settings       Import Software Settings       Administrators         Software Settings       Import Software Settings       Import Software Settings       Administrators         Software Settings       Import Software Settings       Import Software Settings       Administrators         Import Software Settings       Import Software Settings       Import Software Settings       Administrators         Import Software Settings       Import Software Settings       Import Software Settings       Administrators         Import Software Settings       Import Software Settings       Import Software Settings       Administrators, Power Users         Import Software Settings       Import Software Settings       Import Software Settings       Import Software Settings       Administrators, SERVICE         Import Software Settings       Import Software Settings       Import Software Settings       Import Software Settings	
Image: Software Settings       Image: Software Settings       Administrators         Image: Software Settings       Image: Software Settings       Image: Software Settings       Administrators         Image: Software Settings       Image: Software Settings       Image: Software Settings       Administrators         Image: Software Settings       Image: Software Settings       Image: Software Settings       Administrators         Image: Software Settings       Image: Software Settings       Image: Software Settings       Administrators         Image: Software Settings       Image: Software Settings       Image: Software Settings       Administrators         Image: Software Settings       Image: Software Settings       Image: Software Settings       Administrators         Image: Software Settings       Image: Software Settings       Image: Software Settings       Administrators         Image: Software Settings       Image: Software Settings       Image: Software Settings       Administrators         Image: Software Settings         Image: Software Settings       Image: Software Settings       Image: Software Settings       Image: Software Settings       Image: Software Settings         Image: Software Settings       Image: Software Settings       Image: Software	
Windows Settings       Windows Settings       Modify firmware environment values       Administrators         Scripts (Startup/Shutdown)       Perfoile system perform volume maintenance tasks       Administrators         Scripts (Startup/Shutdown)       Perfoile system performance       Administrators         Scripts (Startup/Shutdown)       Perfoile system perform doking station       Administrators, Power Users, Backup Operators         Mindow Settings       Perfoile system       Perfoile system       Administrators, SERVICE         Scripts (Startup/Shutdown)       Perfoile system performance       Administrators, SERVICE         Script Software Setti	
Soripts (Startury/Shutdown)       Imperform volume maintenance tasks       Administrators         Security Settings       Imperform volume maintenance tasks       Administrators         Account Policies       Imperform volume maintenance tasks       Administrators         Imperformation       Administrators         Imperformation       Administrators         Imperformation       Administrators         Imperformation       Administrators, SERVICE         Imperformation       Administrators, SERVICE         Imperformation       Administrators, SERVICE         Imperformation	
Image: Security Settings       Image: Security Settings       Image: Security Settings       Image: Security Settings       Administrators         Image: Security Settings       Image: Security Settings       Image: Security Settings       Image: Security Settings       Administrators         Image: Security Settings       Image: Security Settings       Image: Security Settings       Image: Security Settings       Administrators         Image: Security Settings       Image: Security Settings       Image: Security Settings       Image: Security Settings       Administrators, Power Users, Backup Operators         Image: Security Settings         Image: Security Policies         Image: Security Policies on Local Computer       Image: Security Policies on Local Computer       Image: Security Policies on Local Computer from the network       Everyone, Administrators, Service         Image: Security Policies on Local Computer from the network       Everyone, Administrators, Users, Power Users, Backup Operal         Image: Settings       Image: Security Policies       Image: Security Policies       Image: Security Policies         Image: Security Policies on Local Computer       Image: Security Policies       Image: Securit	
Image: Could Policies       Image: Could Poli	
Image: Color Policies       Image: Porfile single process       Administrators, Power Users         Image: Color Policies       Image: Rights Assignment       Image: Rights Assignment       Administrators, Power Users         Image: Color Policies       Image: Rights Assignment       Image: Rights Assignment       Image: Rights Assignment       Administrators, Power Users, Backup Operators         Image: Color Policies       Image: Rights Assignment       Image: Rights Assignment       Image: Rights Assignment       Administrators, Power Users, Backup Operators         Image: Color Policies       Image: Rights Assignment       Image: Rights Assignment       Image: Rights Assignment       Administrators, Rower Users, Backup Operators         Image: Color Policies       Image: Rights Assignment       Image: Rights Assignment       Image: Rights Assignment       Administrators, SERVICE         Image: Color Policies       Image: Rights Assignment       Image: Rights Assignment       Image: Rights Assignment       Administrators, SERVICE         Image: Color Policies       Image: Rights Assignment       Image: Rights Assignment       Administrators, SERVICE         Image: Color Policies       Image: Rights Assignment       Image: Rights Assignment       Administrators, SERVICE         Image: Color Policies       Image: Rights Assignment       Image: Rights Assignment       Administrators, SERVICE         Image: Color Policies	
Image: Additional construction       Image: Additional construction       Administrators, Power Users         Image: Additional construction       Image: Additional construction       Administrators, Power Users, Backup Operators         Image: Additional construction       Image: Additional construction       Administrators, Power Users, Backup Operators         Image: Additional construction       Image: Additional construction       Administrators, SERVICE         Image: Additional construction       Image: Additional construction       Administrators, Users, Power Users, Backup Operators         Image: Additional construction       Image: Additional construction       Administrators, Users, Power Users, Backup Operators         Image: Additional construction       Image: Additional construction       Administrators, Users, Power Users, Backup Operators         Image: Additional construction       Image: Additional construction       Administrators, Users, Power Users, Backup Operators         Image: Additional construction       Image	
Image: Configuration of the system       Administrators, Power Users, Backup Operators         Image: Configuration of the system       Administrators, Power Users, Backup Operators         Image: Configuration of the system       Administrators, SERVICE         Image: Configuration       Administrators, SERVICE         Image: Configuration       Image: Configuration         Image: Configuration       Image: Con	
Image: Construction of the construc	
Image: Software Restriction Policies       Image: Create global objects       Administrators, SERVICE         Image: Software Restriction Policies       Image: Create global objects       Administrators, SERVICE         Image: Software Restriction Policies       Image: Create global objects       Administrators, SERVICE         Image: Administrative Templates       Image: Configuration       Administrators, Users, Power Users, Backup Opera         Image: Software Settings       Image: Configuration       Image: Configuration       Everyone, Administrators, Users, Power Users, Backup Opera         Image: Configuration       Image: Configuration       Image: Configuration       Everyone, Administrators, Users, Power Users, Backup Opera         Image: Configuration       Image: Configuration       Image: Configuration       Everyone, Administrators, Users, Power Users, Backup Opera         Image: Configuration       Image: Configuration       Image: Configuration       Everyone, Administrators, Users, Power Users, Backup Opera         Image: Configuration       Image: Configuration       Image: Configuration       Everyone, Administrators, Users, Power Users, Backup Opera         Image: Configuration       Image: Configuration       Image: Configuration       Everyone, Administrators, Users, Power Users, Backup Opera         Image: Configuration       Image: Configuration       Image: Configuration       Leveryone, Administrators, Users, Power Users, Backup Opera	
Impersonate a client after authentication       Administrators,SERVICE         Impersonate a client after authentication       Administrators,Users,Power Users,Backup Opera         Impersonate a client after authentication       Administrators,Users,Power Users,Backup Opera         Impersonate a client after authentication       Administrators,Users,Power Users,Backup Opera         Impersonate a client after authentication       Everyone,Administrators,Users,Power Users,Backup Opera         Impersonate	
Image: Construction of the set of the operating system       LABI\ClusterService,Administrators         Image: Construction of the set of the operating system       LABI\ClusterService,Administrators	
Image: Software Settings       Image: Software Settings       Image: Software Settings       Everyone, Administrators, Users, Power Users, Bac         Image: Software Settings       Image: Software Settings       Everyone, Administrators, Users, Power Users, Bac         Image: Software Settings       Image: Software Settings       Everyone, Administrators, Users, Power Users, Bac         Image: Image: Software Settings       Image: Software Settings       Everyone, Administrators, Users, Power Users, Bac         Image: Image: Software Settings       Image: Software Settings       Everyone, Administrators, Users, Power Users, Bac         Image: Image: Image: Software Settings       Image: Software Settings       Image: Software Settings         Image: Image: Image: Image: Image: Software Settings       Image: Software Settings       Image: Software Settings         Image: Im	ors
Image: Software Settings     Image: Bypass traverse checking     Everyone,Administrators,Users,Power Users,Bac       Image: Decimal content of the operating system     LAB1\ClusterService       Image: Decimal content of the operating system     LAB1\ClusterService,Administrators       Image: Decimal content of the operating system     LAB1\ClusterService,Administrators	up Operators
Image: Constraint of the operating system     LAB1\ClusterService       Image: Constraint of the operating system     LAB1\ClusterService,Administrators       Image: Constraint of the operating system     LAB1\ClusterService,Administrators	up Operators
E-     Administrative Templates     LAB1\ClusterService,Administrators	
BIncrease scheduling priority LAB1\ClusterService,Administrators	
Manage auditing and security log LAB1\ClusterService,Administrators	
Back up files and directories LAB1\ClusterService,Administrators,Backup Oper	ators
B Restore files and directories LAB1\ClusterService,Administrators,Backup Oper	ators
Change the system time LOCAL SERVICE, Administrators, Power Users	
B Generate security audits LOCAL SERVICE, NETWORK SERVICE	
BReplace a process level token LOCAL SERVICE, NETWORK SERVICE	
Big Adjust memory quotas for a process LOCAL SERVICE,NETWORK SERVICE,LAB1\Cluste	rService,Administrato
認Log on as a batch job LOCAL SERVICE, SUPPORT_388945a0	
BBLog on as a service NETWORK SERVICE,LAB1\ClusterService	
BDP paccess to this computer from the network SUPPORT_388945a0	
BDeny log on locally SUPPORT_388945a0	
👪 Add workstations to domain	
🐯 Create a token object	
🔀 Create permanent shared objects	
🗱 Deny log on as a batch job	
B Deny log on as a service	
BDeny log on through Terminal Services	
	•

A questo punto inserire all'interno delle seguenti Policy l'utente di dominio ConnectDirectService

- Act as part of the operating system
- Log on as a service
- Replace a process level token



Next

## INSTALLAZIONE I NODO DEL CLUSTER

**!!!ATTENZIONE!!!** Assicurarsi che le le risorse Cluster e i Virtual Server siano sul nodo 2.

Inserire il CD ROM di Connect Direct 4.2.00 (annullare l'installazione se parte in automatico) quindi lanciare il file Setup.exe.



Selezionare Custom quindi Next

	🖶 Connect Direc	t Windows - InstallSl	hield Wizard		×	(	
	Custom Setup Select the progr	am features you want ii					
	Click on an icon in the list below to change how a feature is installed.						
		Feature Descrip Connect Direct advanced file tr for point-to-poin movement.	btion Windows is an ansfer solution nt data				
	This feature requires 14 your hard drive. It has subfeatures selected. T subfeatures require 0Ki hard drive.						
	Install to: C:\Program Files\S InstallShield	terling Commerce\Conn	ect Direct v4.2.00\		⊆hange		
	<u>H</u> elp	Space	< <u>B</u> ack	<u>N</u> ext >	Cancel		
Lasciare tutto	invariato quindi cl	icacre su <b>Next</b> : Windows - InstallSl	Fig.4 hield Wizard	9.		1	
	Configure Conn Select a configu	ect:Direct Server					
	C Default Use the default installation settings.						
Custom         Image: Setting stress of the setting s							
1	C Upgrade Use the location and settings of an existing installation.						
	enassinal Italia		< <u>B</u> ack	<u>N</u> ext >	Cancel		

Fig.5

Selezionare Custom quindi Next

👘 Con	nect Direct Windows - InstallShi	eld Wizard			
Ente	r Local Node Name er the name that will identify this Cor	nnect:Direct node.		A A	
The Ion Not	e default node name is the local mach g, and be made up of numbers, letter e that spaces are not allowed.	ine name. A node i 's, @, #, \$,- (dash	name must be 1-16 i), _(underscore), i	characters or '.' (period).	
ΤC	01APL5002				
InstaliSt	iield	< Back	Next >	Cancel	
Inserire il nome del n	odo (TO1API S002) quindi <b>Next</b>	Fig.6			

🙀 Connect Direct Windows - InstallS	hield Wizard		
License Management			
Select a License file.			
The License file enables operation of t Browse to select a file.	he Connect Direct	Windows Server,Cli	:k
			Browse
Refer to the Connect Direct Wi on obtaining a permanent licens	ndows Getting Sta se,	rted Guide for instruc	tions
	< <u>B</u> ack	Next >	Cancel
	Fig.7		

Cliccare su  ${\bf Browse}$  e selezioanre il file di Licenza (è un file .txt) quindi  ${\bf Next}$ 

-					
1	Connect Direct Wir	dows - InstallSh	ield Wizard		
	Select Database Op	tion			
	Select the type of d Statistics, TCQ and I	atabase support to Messages.	configure for Conr	nect Direct Window:	
	Microsoft Access	:			
	🔘 Microsoft SQL Se	erver - Windows Au	thentication		
	C Microsoft SQL Se	erver - Mixed Mode	Authentication		
	SQL Server Option	s			
	Server:	(local)			
	User ID:	sa			-
	Password:				-
	Confirm:	·			-
		,			
Ir	nstallShield				
			< <u>B</u> ack	<u>N</u> ext >	Cancel
are tutto ir	nvariato quindi <b>Next</b>		Fig.8	9).	
1	Connect Direct Win	dows - InstallSh	ield Wizard		
	Service Account Inf	ormation			
	Optionally configure account.	Connect Direct Wir	ndows Service to u	se a service logon	
	Use this option wher Leave this page blan of DomainName\Use This option can be co account must have t	configuring SQL S k to use the local s (Name, Please note onfigured later usin he following priviled	erver access using ystem account or e e that if this inform g the Services utilit ges,	Windows Authentic enter the account nation is incorrect, in ation is incorrect, in a on the control pa	ation security. ame in the form stallation fails. nel. The
	Act as a part o	of the Operating Sy	stem		
	Logon locally Logon as a ser	vice			
	Replace a proc	ess level token			
	Service Account:	LAB1\ConnectDir	ectAService		
	Service Password:	****			
	Verify Password:	****			
Ir	nstallShield				
			< <u>B</u> ack	<u>N</u> ext >	Cancel

0

Fig.9

Inserire l'utente ConnectDirectService con rispettiva password precedentemente creato in Active Directory quindi Next

\_\_\_\_

Connect Direct Windows - InstallShi Enter TCP/IP Information	eld Wizard	
Enter the IP Address for Node-to-Node communication.	communication and User Interfac	
Node-to-Node IP Address: 10.1.1.45	Port:	
User Interface IP Address: 10.1.1.45	Port:	
stallShield	< Back Next >	Cancel

Fig.10

Inserire l'IP Virtuale di TO1APLS002 (Es. 10.1.1.45) quindi Next

2

12	Connect Direct Windows - I	nstallShield Wizard	
E	Enter SNA Information Optionally configure this Conn	ect:Direct node for SNA connectivity.	
	Configure SNA		
	SNA Settings		
	Local LU Name:	TO1CLTND	
	Network Name (NET ID):		
	APPC Mode Name:	NDM624K	
Inst	allShield	< Back	Cancel
		Fig.11	

Lasciare tutto invariato e cliccare su  $\ensuremath{\textbf{Next}}$ 

Register w	ith Active Direct	tory			and the second
Enabling t to the Ser	his option allows Co rver using informati	onnect Direct on registere	t Windows clients to k d in Active Directory.	ocate and connec	t
	,	,	,		
🥅 Regist	er Client Connectio	n Settings			
⊢Client C	onnection Settings				
Node N	lame: TO1AF	LS002			
		45			
IP Addi	'ess: 10.1.1	,45			
Port:	1363				
InstallShield -					
		L	< <u>B</u> ack [	<u>N</u> ext >	Cancel
			Fig.12		
🙀 Connect D	irect Windows -	InstallShie	ld Wizard		
SNMP and	Event Logging				100 M
Configure	Connect:Direct SN	MP Extensior	n Agent and Event Lo	gging.	A start
Enable the network m write SNM	e SNMP Extension A hanager such as Tiv IP-enabled events t	Agent to trap voli or HP Ope to the event	selected messages a enview. Enable SNMP log.	nd send them to Event Logging to	a
	e Connect Direct SN				
🔲 Enable	s connection ecclor	IMP Extensio	n Agent		
🗖 Enable	SNMP Event Loggi	IMP Extensio	n Agent		
Enable	* SNMP Event Loggi he SNMP Service Co n this system.	IMP Extensio ing omponents w	n Agent vere not found		
Enable     Enable     Ti     or	* SNMP Event Loggi he SNMP Service Co n this system.	IMP Extensio	n Agent vere not found		
Enable     Enable     InstallShield	e SNMP Event Loggi he SNMP Service Co n this system.	IMP Extensio	n Agent vere not found		
Enable	e SNMP Event Logg. he SNMP Service Co n this system.	IMP Extensio	n Agent vere not found < <u>B</u> ack	Next >	Cancel

Next

🕼 Connect Direct Windows - InstallShield Wizard	<
Select Notification Options Select the Connect:Direct Process completion notification type.	
<ul> <li>NT Network Broadcast</li> <li>SMTP</li> </ul>	
TestalChield	
< <u>B</u> ack <u>Next</u> Cancel	

Fig.14

## Lasciare tutto invariato e cliccare su $\ensuremath{\textbf{Next}}$

0

🙀 Connect Direct Windows - InstallShield Wizard	
<b>Import Configuration Files</b> Optionally import Netmap and User Authority configuration files.	
Select a Netmap configuration file to import	
	Browse
Select a User Authority configuration file to import	
	Browse
InstallShield	<b>a</b> (
Reset < Back Next >	Cancel
Fig.15	

Lasciare tutto invariato e cliccare su  $\ensuremath{\textbf{Next}}$ 

Í	F Connect Direct Windows - InstallShield Wizard	×
	Ready to Install the Program The wizard is ready to begin installation.	
	Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.	
	Check the option below to force the installation to wait for the Connect:Direct Service to start. If enabled, the installation will rollback if the Service fails to start.	
1	InstallShieldCancel	
are tutto i	Fig.16 invariato e cliccare su Install	

🛃 Connect I	Direct Windows - InstallShield Wizard	_ 🗆 ×							
Installing Connect Direct Windows The program features you selected are being installed.									
1	Please wait while the InstallShield Wizard installs Connect Direct Windows. This may take several minutes.								
	Status:								
	Copying new files								
InstallShield -									
	< <u>B</u> ack <u>N</u> ext >	ncel							
	Fig.17								

Attendere qualche minuto fino al completamento dell'installazione



Fig.18

Cliccare su Finish per terminare l'installazione

>

🍇 Services (Local)					
Connect Direct v4.2.00 -	Name A	Description	Status	Startup Type	Log On As
TO1APL5002	Alerter	Notifies sel		Disabled	Local Service
	🍓 Application Experience Lookup Service	Process ap	Started	Automatic	Local System
	🍓 Application Layer Gateway Service	Provides s		Manual	Local Service
	🍓 Application Management	Processes i		Manual	Local System
	🍓 Automatic Updates	Enables th	Started	Automatic	Local System
	🍓 Background Intelligent Transfer Service	Transfers f		Manual	Local System
	🍓 ClipBook	Enables Cli		Disabled	Local System
	🆓 Cluster Service	Enables se	Started	Automatic	lab1.prv\ClusterService
	🍓 COM+ Event System	Supports S	Started	Automatic	Local System
	🍓 COM+ System Application	Manages t		Manual	Local System
	🆓 Computer Browser	Maintains a	Started	Automatic	Local System
	Connect Direct v4.2.00 - TO1APLS002		Starting	Automatic	LAB1\ConnectDirectServ
	🎇 Cryptographic Services	Provides th	Started	Automatic	Local System
	🍓 DCOM Server Process Launcher	Provides la	Started	Automatic	Local System
	🎇 DHCP Client	Registers a	Started	Automatic	Network Service
	🎇 Distributed File System	Integrates		Manual	Local System
	🏶 Distributed Link Tracking Client	Enables cli	Started	Automatic	Local System
	🎇 Distributed Link Tracking Server	Enables th		Disabled	Local System
	🎇 Distributed Transaction Coordinator	Coordinate		Automatic	Network Service
	🍓 DNS Client	Resolves a	Started	Automatic	Network Service
	🎇 Error Reporting Service	Collects, st	Started	Automatic	Local System
	🍓 Event Log	Enables ev	Started	Automatic	Local System
	🎇 File Replication	Allows files		Manual	Local System
	🍓 Help and Support	Enables He	Started	Automatic	Local System
	🍓 HTTP SSL	This servic		Manual	Local System
	🍓 Human Interface Device Access	Enables ge		Disabled	Local System
	🎇 IMAPI CD-Burning COM Service	Manages C		Disabled	Local System
	🎇 Indexing Service	Indexes co		Disabled	Local System
	🎇 Intersite Messaging	Enables me		Disabled	Local System
	🎇 IPSEC Services	Provides e	Started	Automatic	Local System
	🏶 Kerberos Key Distribution Center	On domain		Disabled	Local System
	🎇 License Logging	Monitors a		Disabled	Network Service
	🍓 Logical Disk Manager	Detects an	Started	Automatic	Local System

Fig.19

Verifichiamo che il servizio sia stato installato correttamente come in figura sovrastante.

A questo punto facciamo in modo che il disco E: (disco condiviso del Virtual Server) sia sul I nodo.



Quindi creaimo il seguente albero di cartelle

Sterling Commerce/Connect Direct v4.2.00/Server

#### SPOSTAMENTO DEL FILE DI LICENZA

A questo punto stoppiamo il servizio del Connect Direct e settiamolo in Manual.

Adesso procediamo con lo spostamento della licenza da C:\Program Files\ Sterling Commerce/Connect Direct v4.2.00/Server a E:\ Sterling Commerce/Connect Direct v4.2.00/Server



Lanciamo da Start, All Programs, Sterling..... CD Admin Tool

Local Machine - T01APL5002 (v4.2.00) Properties
General TCP/IP SNA Database License Management
Settings
Service Startup: Manual TCQ Startup: Warm 💌
Max PNode Sessions: 1 📑 Stat Max Age: 7 📑
Max SNode Sessions: 1
OK Cancel Help
Fig.21
licchiamo col tasto destro su TO1APLS002 e selezioniamo Inizialization Properties
Local Machine - T01 API 5002 (v4 2 00) Properties
General TCP/IP SNA   Database License Management
License File: E:\Sterling Commerce\Connect Direct v.4.2.0
OK Cancel Help

In corrispondenza di License Management selezionare il file di licenza dal disco E:\ e cliccare su OK

A questo punto possiamo eliminare il file di licenza dal disco C:\

-)



#### SPOSTAMENTO DEI DATABASE

Sempre all'interno del CD Admin Tool clicchiamo col tasto destro su TO1APLS002 e selezioniamo Inizialization Properties

Local Machine - 1	101APL5002 (v4.2.00) F	Properties	×	
General TCP/IF	SNA Database Lic	cense Management	L	
ODBC Driver: 🖡	Microsoft Access	<u>M</u> odify Se	ttings	
- Datasources-				
Messages:	Connect:Direct v4.2.00 Me:	ssages		
S <u>t</u> atistics:	Connect:Direct v4.2.00 Too	qStats		
TCQ:	Connect:Direct v4.2.00 T co	qStats		
	ОК	Cancel	Help	
	Fig.23			

Spostiamoci nella sezione Database e clicchiamo su Modify Settings...

Database Type		×
	Microsoft Access	
	Microsoft <u>SQL</u> Server	
	< <u>B</u> ack <u>N</u> ext >	Lancel
	<b>-</b> , <b>0</b> ,	

Fig.24

Selezioniamo Microsoft Access quindi Next

Microsoft Access Config	uration	×
Message Datasource	Connect:Direct v4.2.00 Messages	
TCQ/Stats Datasource	Connect:Direct v4.2.00 TcqStats	
Installation Directory	E:\Sterling Commerce\Connect Direct v4.2.	
	(Deck News) Co	
	<u> Kack</u> <u>N</u> ext> Car	
	Fig.25	

Inseriamo nel campo Installation Directory il seguente percorso (disco condiviso)

2

E:\Sterling Commerce/Connect Direct v4.2.00/Server

Quindi <b>Next</b>	0 >	
	Configuration Information	X
	You provided the following configuration information.	
	< <u>B</u> ack Finish Cancel	_
	Fig.26	

Leggiamo il riassunto della configurazione quindi Finish



DBWiz	X
1	Database configuration completed successfully
	ОК
	Fig.27

OK quindi ancora **OK** 

**!!!ATTENZIONE!!!** Se la procedura di spostamento dei DB è andata a buon fine dovremmo trovare in E:\Sterling Commerce/Connect Direct v4.2.00/Server il file CDWinNT.mdb

## AGGIUNTA RISORSA CONNECT DIRECT NEL CLUSTER

In corrispondenza del Virtual Service 2 inserire una nuova risorsa.

	New Resource	Image:       Generic Service 1         Name:       Generic Service 1         Description:
--	--------------	---

Inserire i seguenti valori

Name: Generic Service 1 Resource Type: Generic Service

Quindi Next



Possible Owners Generic Service 1 Possible owners are nodes in the c Specify the possible owners for this	uster on which this resource resource.	can be brought online.	
A <u>v</u> ailable nodes:	Possible <u>o</u> Add -> <- <u>B</u> emove	wners:	X
	<u>≺ B</u> ack <u>N</u> Fig.29	ext > Cancel	

.

Selezionare entrambe I nodi del cluster quindi  $\ensuremath{\textbf{Next}}$ 

Dependencies				
Generic Service	1			
Dependencies are resourd Specify the dependencies	es which mus for this resou	st be brought o rce.	nline by the cluster servi	ce first.
A <u>v</u> ailable resources:		F	esource <u>d</u> ependencies:	
Resource	Resc		Resource	Res
P Address 2	IP Ac	<- bbA	问 Network Name 2	Net
		<- <u>R</u> emove	Phisical Disk	Phy
	Þ		•	Þ
		< <u>B</u> ack	<u>N</u> ext >	Cancel
		Fig 30		

Come dipendenze aggiungiamo Network Name e Physical Disk quindi Next

	Generic Service Darameters	
	denent Service Parameters	
	Generic Service 1	
	Service name: Connect Direct v4.2.00	
	Start parameters:	
	Use Network Name for computer name	
		Χ.
	< <u>B</u> ack <u>N</u> ext > Cancel	
	Fig.31	
Inseriamo i segue	enti dati	
Ouindi Next	Jonnect Direct V.4.2.00	
	Registry Replication	
	Generic Service 1	
	Programs or services may store data in the registry. Therefore, it is important to have this	
	data available on the node on which they are running. Specify the registry keys below HKEY_LOCAL_MACHINE that should be replicated to all nodes in the cluster.	
	Root Registry Key	
	A <u>dd M</u> odify <u>R</u> emove	
	< <u>B</u> ack Finish Cancel	
	Fig.32	

Clicchiamo su Add e inseriamo la seguente chiave

 $Software \verb|Sterling Commerce|Connect:Direct for Windows NT|v4.2.00|TO1APLS002|$ 

Quindi OK e Finish



Per verificare che tutto sia configurato correttamente startiamo il Servizio appena creato.

#### INSTALLAZIONE II NODO DEL CLUSTER

!!!ATTENZIONE!!! Assicurarsi che le risorse Cluster siano sul secondo nodo

Inserire il CD ROM di Connect Direct 4.2.00 (annullare l'installazione se parte in automatico) quindi lanciare il file Setup.exe.

Seguiamo la stessa procedura di installazione fatta per il I Nodo.

## SPOSTAMENTO DEL FILE DI LICENZA

Terminata l'installazione stoppiamo il servizio del Connect Direct e settiamolo su Manual

Modifichiamo il percorso del file di licenza come fatto per il I Nodo quindi cancelliamolo da C:\Program Files\ Sterling Commerce/Connect Direct v4.2.00/Server

#### SPOSTAMENTO DEI DATABASE

**!!!ATTENZIONE!!!** Prima di procedere con lo spostamento del DB copiamo il DB da E:\ in C:\Temporary

Apriamo CD Admin Tool clicchiamo col tasto destro su TO1APLS002 e selezioniamo Inizialization Properties

Quindi spostiamo il DB come per in I Nodo.

Adesso prendiamo il file precedentemente salvato e lo copiamo in E:\ Sterling Commerce/Connect Direct v4.2.00/Server sovrascrivendo il file già esistente.

A questo punto sposto tutte le risorse sul I Nodo e se non ci sono problemi l'installazione è terminata.



### CONFIGURAZIONE CD REQUESTER

!!!ATTENZIONE!!! La seguente operazione va eseguita su entrambe i nodi del Cluster

Lanciamo da Start, Program Files CD Requester



Adesso dalla barra degli strumenti selezionamo Node , Connection Setting quindi Insert Node

1.2	
	- 1
10	4
	57

N	ode Properties	<u>? ×</u>	1
	Connect:Direct No	de	
	<u>N</u> ame:	T01APLS002	
	Server Name:		
	Machine Name:		
	Default User ID:	▼	
	Operating System:	Automatic	
	TCP/IP Support-		
	Address:	to1apls002.lab1.prv	• 2
	Po <u>r</u> t:	1363	
	Active Directory No	odes	
		Refresh	
	☑ Set as the default	t node	
		<u>O</u> K Cancel <u>H</u> elp	)

Fig.34

Inserire il nome del Nodo e settarlo come Default Node quindi OK

•

rlo come <b>De</b>	fault Node quindi OK
Connect:Dire	ect Attach
Node:	T01APLS002
<u>U</u> serid:	NetAdmin 💌
Password:	******
<u>(</u>	<u>Cancel H</u> elp

Fig.35

Autenticarsi come NetAdmin quindi OK



()

Nel menù a tendina possto sulla sinistra dell'interfaccia selezionare la voce NetMap quindi posizionarsi nella finestra a finaco e cliccando di destro selezionare **Insert** 

Netmap Node Propert	ies	? ×
Main TCP/IP APP	PC Communication Paths Description	
Node <u>N</u> ame: <u>O</u> perating System:	 MVS	
Options Max <u>P</u> node Sess: Max <u>S</u> node Sess: <u>D</u> efault Class:	1 1 1	
Retry Settings S <u>h</u> ort Term: Long Term:	Attempts Interval 10 00:00:10 10 00:03:00	
	OK Cancel I Fig.36	Help

Inserire i seguenti campi

Name: TEST1

I	Netmap N	lode Pro	perti	ies				? ×
	Main	TCP/IP	APP	°C Communic	ation P	aths Desc	cription	
	Settin Host. Port/ Mode	ngs /IP Addre <u>S</u> ervice: es e O verride	::SS: 	Mode1	<u>N</u>	ew	<u>D</u> elete	
				OK		Cancel	He	elp

Fig.37



In TCP/IP inserire i seguenti campi

Host IP: 192.168.1.1

Mode Override: Mode1

Netmap Node Properties		? ×	1
Main TCP/IP APPC Com	munication Paths D	escription	
Available Paths	Selected F TCPComr	Paths	2°
Properties		Add All	
<u>N</u> ew <u>D</u> elete	<u><u> </u></u>	move All	
	OK Cance	l Help	
	Fig 29		

Fig.38

In Communication Paths aggiugere TCPCommPath nei Selected Paths

Quindi cliccare su **OK** per applicare le impostazioni.

Adesso a fianco dell'Icona TEST1 è comparsa una croce di colore verde, per farla scomparire basta cliccare di destro su TEST1 quindi Apply.



## CONFIGURAZIONE USER AUTHORITIES

**!!!ATTENZIONE!!!** Ricordarsi di aggiungere in Active Directory gli utenti CDPROXY1 e CONNECTDIRECT1

Adesso facciamo un doppio click su User Authorities

Jser Authorities	? ×
*admin *GENUSR	<u>P</u> roperties
NetAdmin	New <u>A</u> dmin
	New <u>G</u> enusr
	<u>D</u> elete
	<u>H</u> elp
	Close

Fig.39

Da qui selezionare New Genusr

Inserire gli utenti CDProxy1 e ConnectDirect1 Quindi aggiungere i due utenti con le impostazioni mostrate nelle seguenti figure:

E Contraction of the second	Edit User CDProxy1 for TO1APL5002
	Main Directories Admin Overrides User <u>N</u> ame: CDProxy1
	Control       Statements         Submit:       No       Copy Send:       Yes         Monitor:       No       Copy Receive:       Yes       Image:         Change:       No       Run Job:       Yes       Image:         Delete:       No       Run Jask:       Yes       Image:         Statistics:       No       Submit:       Yes       Image:
1	OK Cancel Help

Fig.40



Fig.41

 UPLOAD
 \\to1fils001.augustanet.prv\applicativi\ConnectDirect\Upload

 DOWNLOAD
 \\to1fils001.augustanet.prv\applicativi\ConnectDirect\Download

 PROCESS
 \\to1fils001.augustanet.prv\applicativi\ConnectDirect\Processes

 PROGRAM
 \\to1fils001.augustanet.prv\applicativi\ConnectDirect\Programs

 Edit User CDProxy1 for T01APL5002
 ?

-2)

Main Directories Ad	dmin Overrides		
Configuration	No	Server Control	
<u>T</u> ranslation Table:	No	<u>R</u> efresh: No	
User <u>A</u> uthorities:	No	Tra <u>c</u> e: No	
User <u>P</u> roxy:	No		
		Cancel	Help

Fig.42



## CONFIGURAZIONE PROXIES

()



Main Directorie	18	_ 1	
Userid:	1	ก	
<u>N</u> ode:		  <u> </u>	
Local	[		
U <u>s</u> erid	CDProxy1	 의	
Password:	*****		
<u>V</u> erify Passwoi	d: 🔤		
<u>V</u> erify Passwo	d: *********		
<u>V</u> erify Passwo	d:		
Verify Passwo	d:		20
Verify Passwo	d:		2.
Verify Passwo	d:		2.
Verify Passwo	d:		
Verify Passwo	d:		

Inserire i seguenti dati :

## Nella sezione Remote

Userid: TEST1 Node: TEST1

0

#### Nella sezione Local

Userid: CDProxy Password: \*\*\*\*\*\*\* Verify Password: \*\*\*\*\*\*\* •

# Use	r Proxy				? ×	
tain	Directories					
Perr	missions				 	
Сор	y <u>S</u> end:	User	•			
Сор	y <u>R</u> eceive:	User	•			
Dire	ctories					
Uplo	oad:					
Dov	vnload:	<u> </u>				
Prog	<u>c</u> ess:					
Prog	gram:					
						$\bigcirc$
		OK		Cancel	Help	
		Fig.4	16			

In **Directories** selezionare **User** come mostrato in figura precedente.

## ABILITAZIONE DELAY ENVITONMENT

!!!ATTENZIONE!!! La seguente operazione va eseguita su entrambe i nodi del Cluster

Aprire il registro di sitema quindi posizionarsi sul seguente percorso

•

HKEY\_LOCAL\_MACHINE\SOFTWARE\Microsoft\Command Processor

Creare una DWORD con le seguenti caratteristiche

Nome : DelayedExpansion Valore: 1