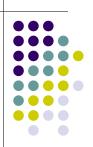
## Laboratorio di Amministratore di Sistema

#### 5. Windows Server

[Cisco ITESS II - Chapter 8]

Università di Venezia – Facoltà di Informatica feb-mag 2013 - A. Memo

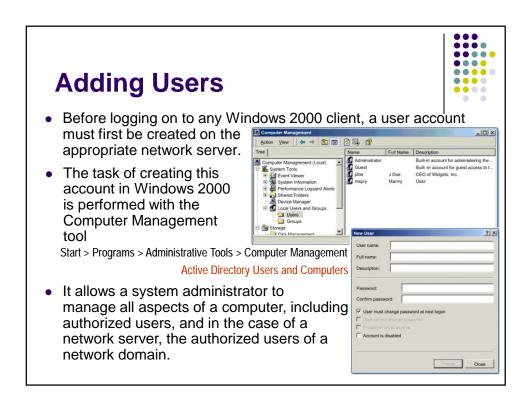


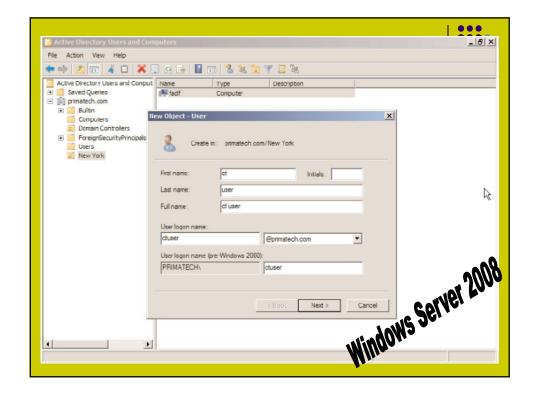
ver 2.2

## **Windows 2000 Professional**



- 8.1 Installation
- 8.2 Administration/User Interface
- 8.3 User Accounts
- 8.4 Managing the File System
- 8.5 Services





#### **Alcuni links**

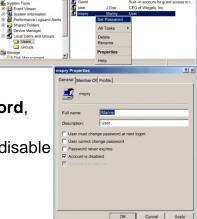


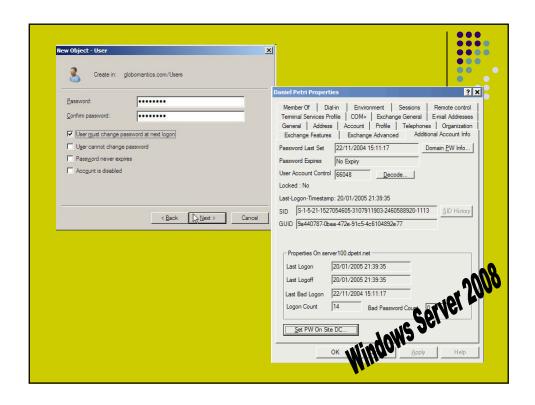
- Add user to Ubuntu server using terminal http://www.youtube.com/watch?v=F1aNqjedEYg
- Add User on Ubuntu 8.10 http://www.youtube.com/watch?v=NMdY0Pvic3g
- Creare un Utente in Ubuntu 8\_04 http://www.youtube.com/watch?v=kJ8gnK4mFSA
- Windows Server 2008 add users to active directory http://www.youtube.com/watch?v=8Js3H9jG67I
- Windows Server 2008 dsadd, add users to active directory with command line

http://www.youtube.com/watch?v=fLFpHvQApFc

## **Managing User Accounts**

- The simplest user management technique is to right-click the user name listed in the right half of the Computer Management window and select the appropriate task from the menu.
- The system administrator can instantly choose to Set Password, Delete, or Rename the user.
- Selecting Properties can also disable the account and checking the Account is disabled box.

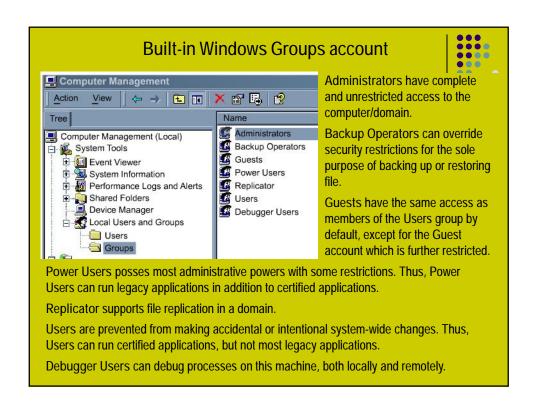


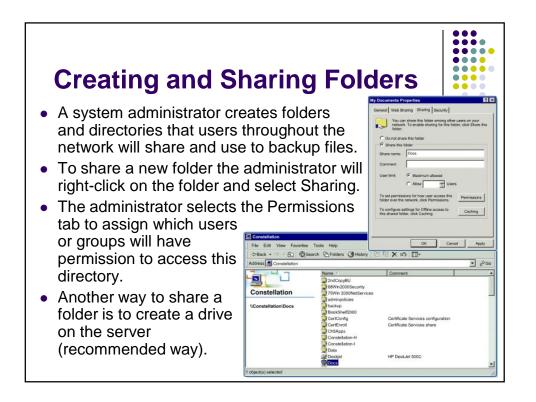


# **Functions and Permissions of the Administrator**



- Typically, the **administrator account** will have rights and permissions to control, configure, or change anything in the operating system.
- Windows uses a variety of different built-in administrator account.
- Windows 2000 Pro automatically creates the main administrator account to manage the overall system.





# **Creating Groups and Adding Users**



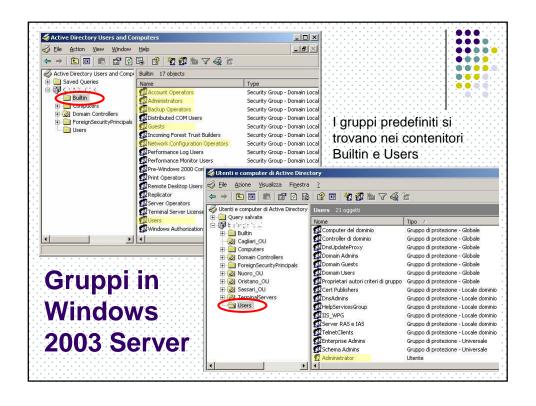
- Windows allows system administrators to create groups of users
- A "local group" exists only on a single computer and is comprised of various users of that computer
- Network-oriented groups include global groups, domain local groups and universal groups.
- During installation Windows 2000 creates default local groups such as the Administrators and Users groups.
- Each group has differing levels of control over the local system.
- Users can create new local groups using the Computer Management tool.
- To add more users, rename, or delete the group, simply right-click the group name in the window and select the appropriate menu choice.



## **Gruppi in Windows 2003 Server**



- classificazione in base al tipo di attività del gruppo
  - Security Groups (usati per applicare permessi a risorse, alle quali può accedere un largo numero di utenti)
  - Distribution Groups (usati per comunicazioni di gruppo tramite e-mail)
- classificazione in base all'ambito del gruppo
  - Machine Local Groups (applicati solo a oggetti locali della macchina, solo per compatibilità con Windows 2000)
  - Domain Local Groups (possiedono permessi a risorse presenti nel solo dominio in cui risiedono)
  - Global Groups (possiedono permessi a risorse presenti in qualsiasi dominio del gruppo padre)
  - Universal Groups (possiedono permessi a risorse presenti in qualsiasi foresta di domini, Multiple-Domain)



#### **Passwords and Permissions**



- A password is a secret collection of characters that only one user knows.
- Passwords are used in conjunction with a user name when logging on to a NOS to verify the identity of the user.
- | Password: | Good or bad? | Reason: | Too short, at least five characters recommended. | Too short, at least five characters recommended. | Ishing | Bad | At least one numeric or special character recommended. | Using complete English words is not a good idea. | Ishingco94 | Good | Longer than five characters | Uses an exclamation point and numerals Not an English word, is not easily guessed | Reason: | Reason:
- Passwords do not necessarily need to be unique among users but should be kept secret to ensure network security.
- Administrators often require passwords to be frequently changed.

### **Passwords and Permissions**



- Permissions are restrictions created by the administrator that enable or disable some actions
- Permissions are assigned to user during the account creation process; typically are classified in
  - Read permission
  - Write permission
  - Execute permission

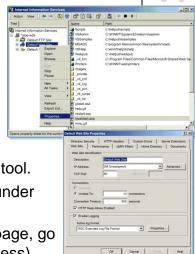
# Hypertext Transfer Protocol (HTTP) • By enabling the Hypertext Transfer Protocol (HTTP) service on a NOS, the computer becomes a web server capable

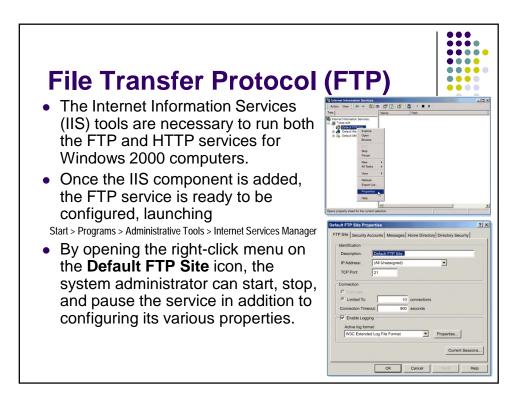
 This service is activated and configured through the use of the Internet Information Service (IIS) tool.

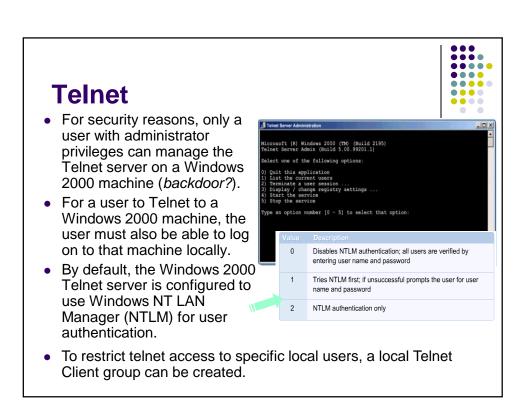
of sending out information over the World Wide Web (WWW).

 The HTTP web service is found under the name Default Web Site.

 To view the system default web page, go to http://127.0.0.1 (loopback address)







# **Stopping and Starting Services in Windows**

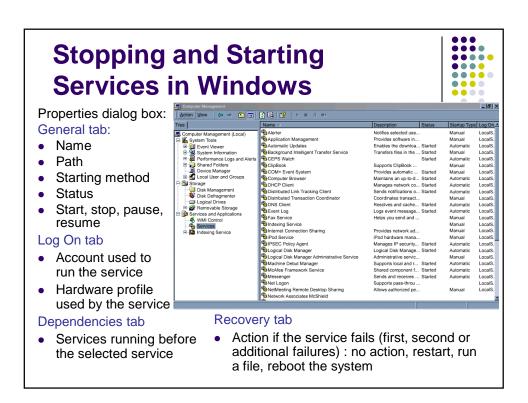


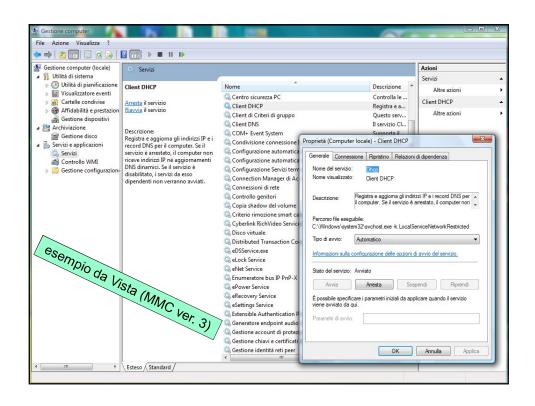
- Windows provides a Services Management Control screen to operate with services
  - Start > Programs > Administrative Tools > Services
  - Right click on My Computer > Manage > in the MMC, select Services and Applications > Services
- Microsoft Management Console (MMC) allows management of networks, computers, services and system components
- The services are displayed in alphabetical order by name.
- A description of what each service does is displayed to the right.

# **Stopping and Starting Services in Windows**



- MMC provides a common host environment for snap-ins, provided by Microsoft and third party software vendors.
- Snap-ins provide the actual management behavior.
- The MMC project's goal is to support simplified administration through integration, delegation, task orientation, and overall interface simplification.

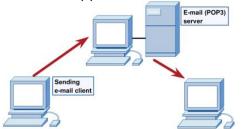




# E-Mail Server/Client Relationship



- Microsoft uses Exchange as the e-mail server.
- The client side can be a variety of office suite products.
- When a user sends e-mail to another user, it is sent first to the server where it will be placed in the recipient's mailbox.
- The user who is receiving the e-mail opens the e-mail program and reads the e-mail from the mailbox.
- E-mail works as a store-and forward application.
- Today e-mail can be used as file transfer (attached files) and is spawned into a variety of instant messaging systems.



## **Printing in Windows 2000**

- A print server is a computer dedicated to handling client print jobs in the most efficient manner.
- A printer server should have:
  - a powerful processor
  - adequate hard disk space
  - adequate memory
- Sharing a local printer:
  - go to the Printers folder, and then right-click, the printer name.
  - choose Sharing, click Shared as option button, and then either enter a share name or accept the default.
- Connecting to a shared printer:
  - use Add Printer Wizard, or use the net use command
  - net use LPT1: \\computername\\printername



## **Scripts**

- Windows 2000 can accommodate many types of scriptinglelanguages using its built-in Windows Script Host (WSH).
- This component of Windows 2000 and XP enables users to create scripts using either the VBScript or JavaScript languages.
   Or any other scripting language the user desires.
- Users can open the Notepad text editor to edit scripts.
- The file extension indicates its scripting language to WSH
  - Visual Basic Script (.vbs)
  - JavaScript (.js)
- To lunch a script can be used Cscript or Wscript



