



INDEPTH Network

Connecting CiB @ Centre

Brendan Gilbert

iSHARE2 Support Team

CiB installation and configuration at Home Site

- Approach IT Manager or IT Administrator
- Request accommodation for the CiB in the Centre's computer room.



CiB installation and configuration at Home Site

- Connect Network cable.
- Connect power, preferably from UPS.
- Optional: Monitor with HDMI and USB keyboard.



VMHost Host and System Server Network Configuration

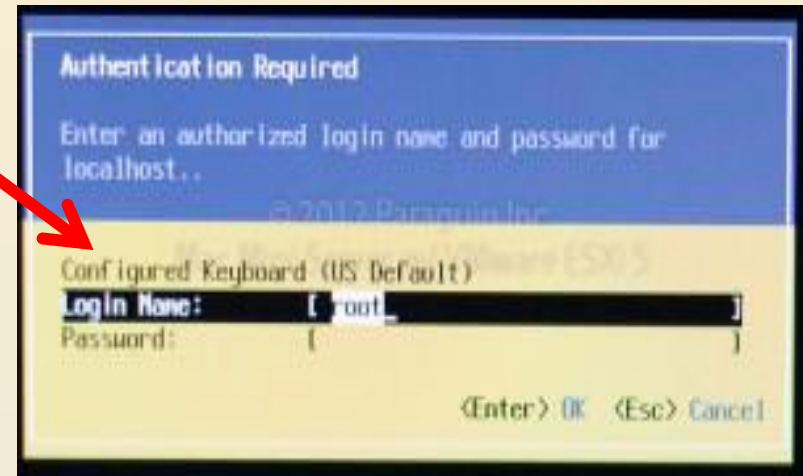
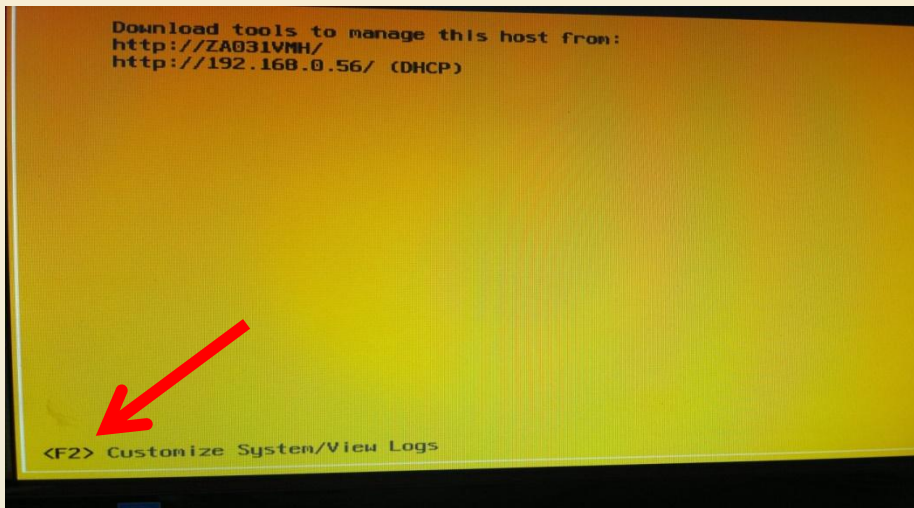
Option 1 DHCP:

- VMHost and System Server are configured to receive IP from DHCP Server by default.
- Request that the IP address's issued by DHCP server gets **Reserved**.
- DHCP Reservation will eliminate connection problems to the CiB.

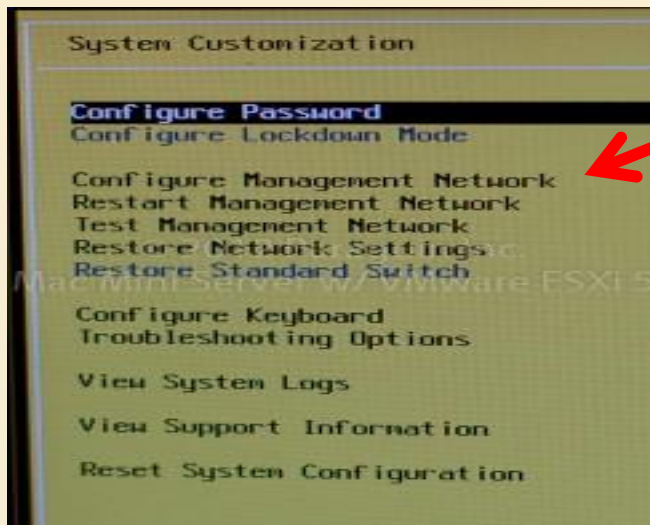
VMHost Host and System Server Network Configuration

Option 2 Static Network Configuration:

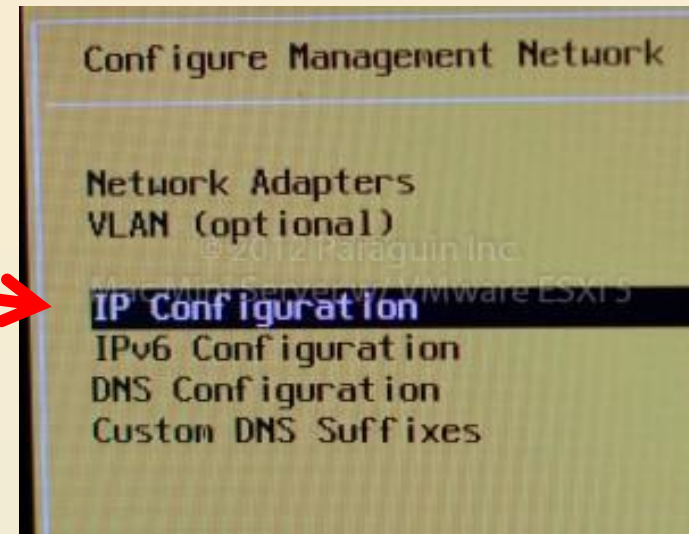
- Press F2 to “Customize System”
- Insert credentials



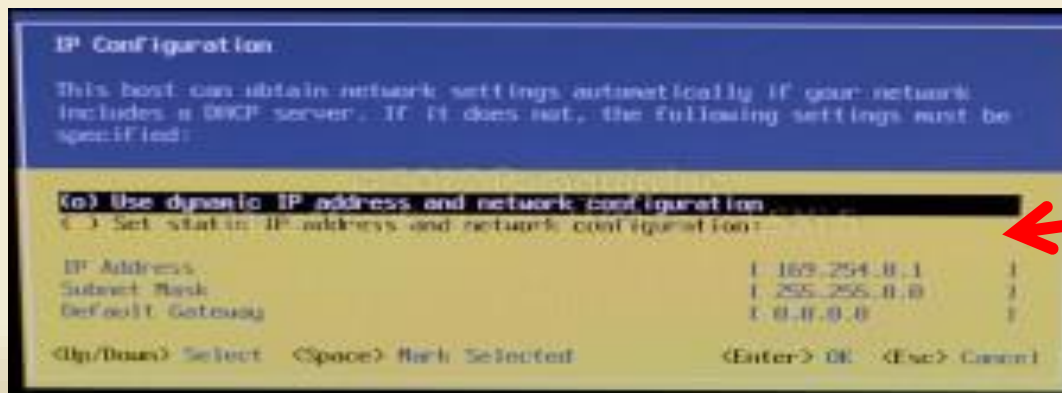
VMHost Host and System Server Network Configuration



1. Click Configure Management Network



2. Click IP Configuration



3. Configure IP Address

VMHost Host and System Server Network Configuration

- The vSphere Client is a Windows program that is used to configure the VMHost and to operate its virtual machines.



VMHost Host and System Server Network Configuration

- Connect to ESXi Host using Vsphere client

VMware vSphere Client

vmware

VMware vSphere™ Client

To directly manage a single host, enter the IP address or host name.
To manage multiple hosts, enter the IP address or name of a vCenter Server.

IP address / Name:

User name:

Password:

☐ Use Windows session credentials

Login Close Help

1. Insert IP Address

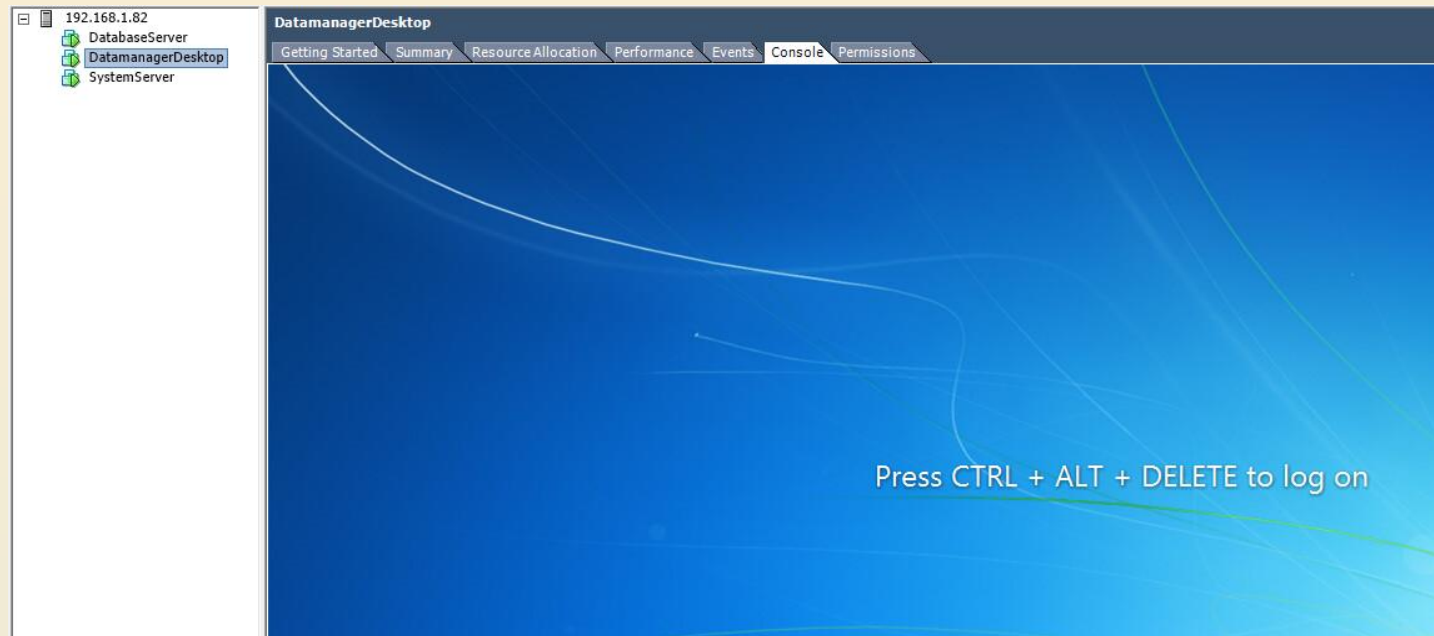
2. Insert User Name

3. Insert Password

4. Click Login

VMHost Host and System Server Network Configuration

- Navigate to DataManager Desktop Virtual Machine
- Click Console Tab
- Log in



VMHost Host and System Server Network Configuration

- From Firefox go to <https://System:8443>
e.g. <https://system:8443>

The screenshot shows the Zentyal web interface for configuring network interfaces. The browser address bar displays `https://et041-system:8443/Network/Ifaces`. The page title is "Zentyal - Network Interfaces". The left sidebar contains a menu with "Interfaces" highlighted. The main content area is titled "Network Interfaces" and shows the configuration for the `eth0` interface. A yellow warning banner at the top states: "You are connecting to Zentyal through this interface. If you set it as external the firewall will lock you out unless you add firewall rules to [Filtering rules from external networks to Zentyal](#) to allow access to the Zentyal administration port, SSH, ...". The configuration form includes fields for Name (eth0), Method (Static), and a checked box for External (WAN). The IP address field is empty, and the Netmask is set to 255.255.255.0. A "CHANGE" button is at the bottom. Five red arrows with numbers 1-5 point to specific elements: 1. Click Interfaces (points to the sidebar menu), 2. Choose Eth0 (points to the interface name), 3. Insert IP and Choose Netmask (points to the IP address field), 4. Change (points to the CHANGE button), and 5. Save and Reboot (points to the Save changes button in the top right corner).

1. Click Interfaces

2. Choose Eth0

3. Insert IP and Choose Netmask

4. Change

5. Save and Reboot

Remote Access to CiB for iSHARE Support Team

- Public IP address NAT'ed to System Server (External IP)
- TCP Ports 443, 3389, 3390, should be opened.

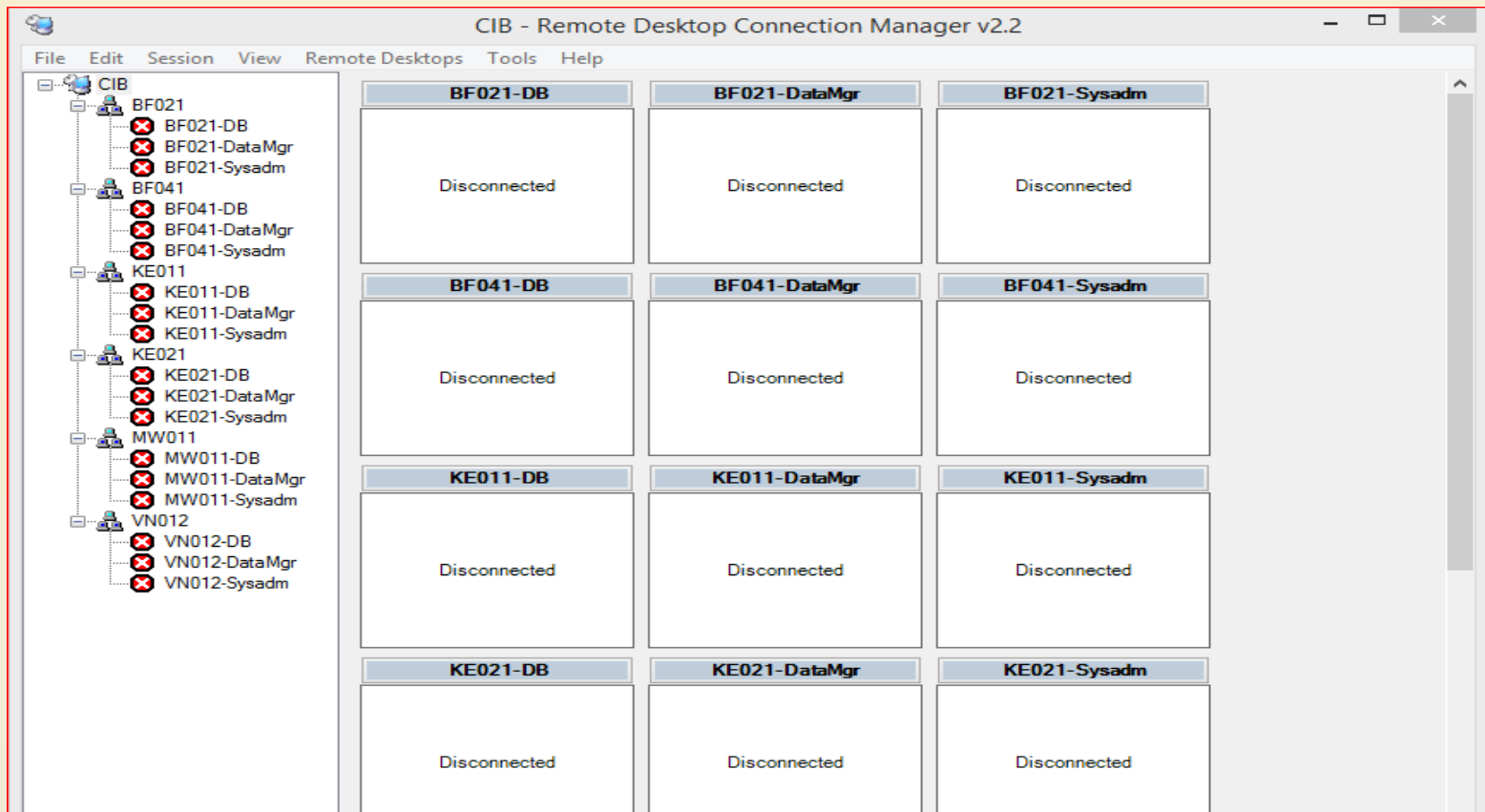


THANK YOU

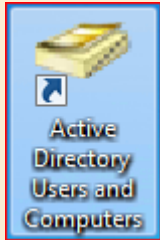


Remote Desktop Connection Manager

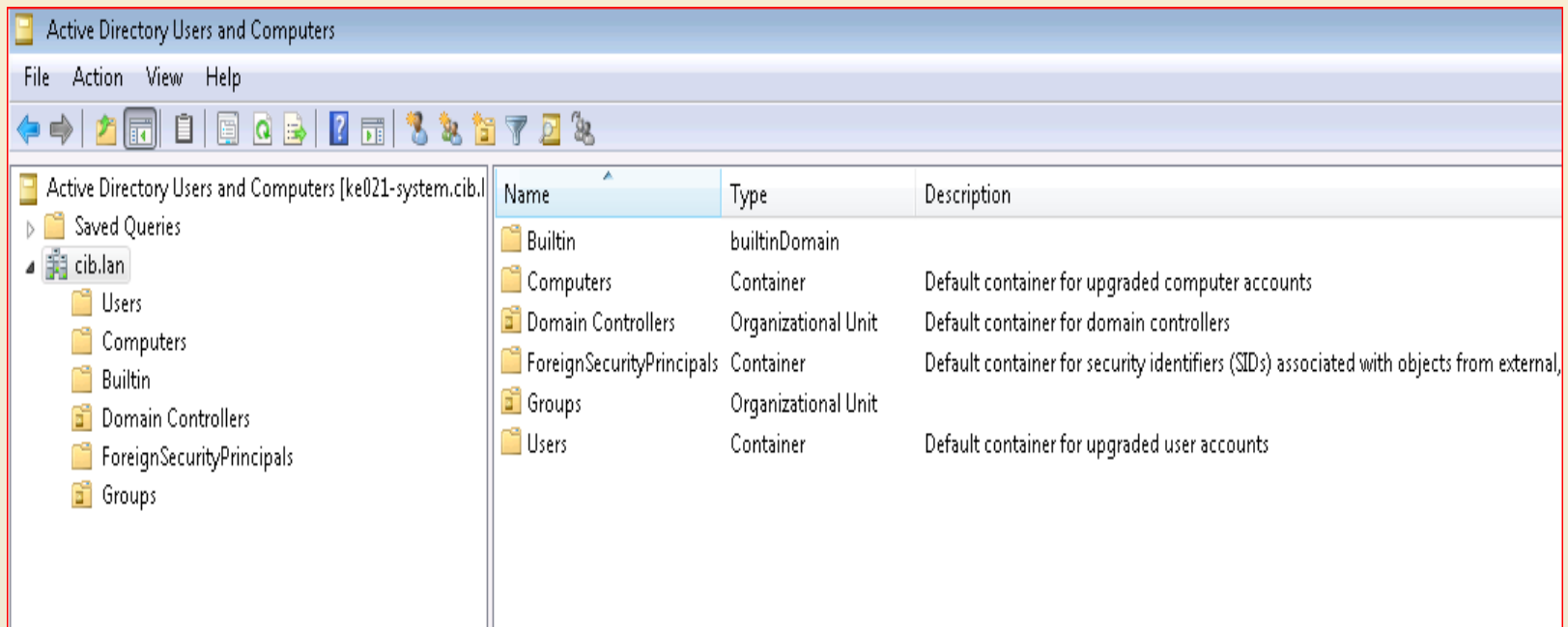
- Centrally Manage your RDP connections.



Active Directory Users and Computers



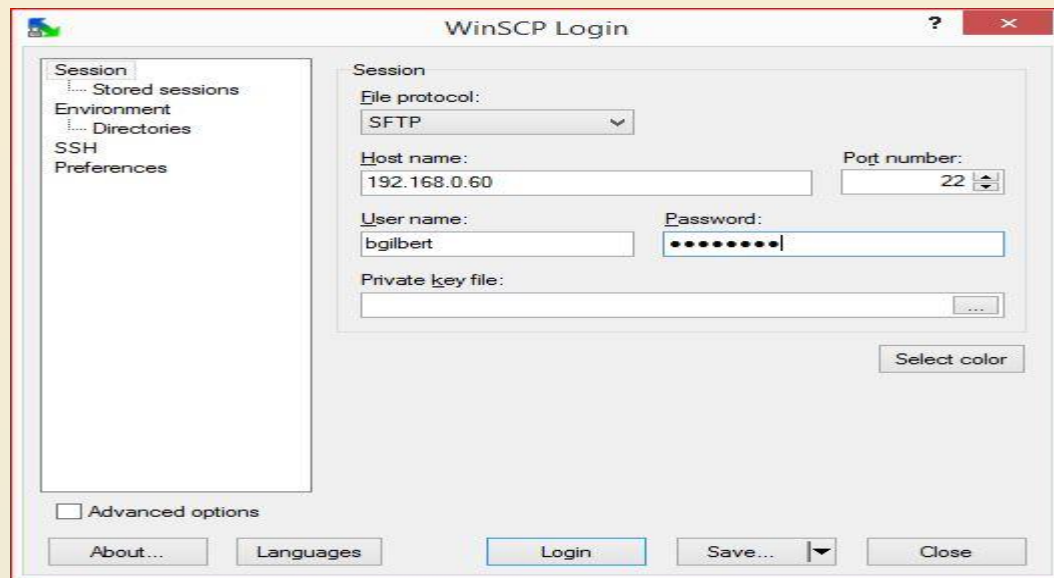
- Active Directory® Users and Computers is a Microsoft Management Console (MMC) snap-in that you can use to administer users and groups.



Local Backup

- Use WinSCP sync Archive Folder to Local hard drive.
- Copy Winscp folder from CiB-Installation Folder to local computer.
- Install Winscp on local laptop, keep defaults.
- Create connection to External IP (System Server), insert credentials and save connection.

Local Backup



Local Backup

1. Navigate to local folder

2. Navigate to Shares

The image shows the WinSCP interface with the title bar 'archive - ZA031 Repository - WinSCP'. The left pane shows the local file system 'C:\Users\Brendan\archive' with a table of files and folders. The right pane shows the remote file system 'shares' with a table of files and folders. Red arrows point from the text labels to the respective panes.

Name	Ext	Size	Type	Changed	Attr
			Parent directory	2013-10-24 12:19:...	
LINQPad Queries			File folder	2013-10-24 12:17:...	
Eti			File folder	2013-10-24 12:17:...	
DDI			File folder	2013-10-24 12:17:...	
Data			File folder	2013-10-24 12:17:...	
Final Kettle Scripts.zip		270 KiB	Compressed (z...	2013-10-01 11:47:...	a
Summary_Sales.xls		13 824 B	Microsoft Exce...	2013-10-18 04:44:...	a

Size	Changed	Rights	Owner
	2013-09-18 03:26:0...	rw-rw-r--	root
	2013-10-25 09:28:2...	rw-rw-rw-r	sync
	2013-10-22 04:59:2...	rw-rw-rw-r	sync
	2013-09-18 06:59:2...	rw-rw-rw-r	sync
	2013-09-18 04:23:5...	rw-r--r-x	root
	2013-09-19 02:43:4...	rw-rw-r--	sync

0 B of 284 KiB in 0 of 6

0 B of 0 B in 0 of 5

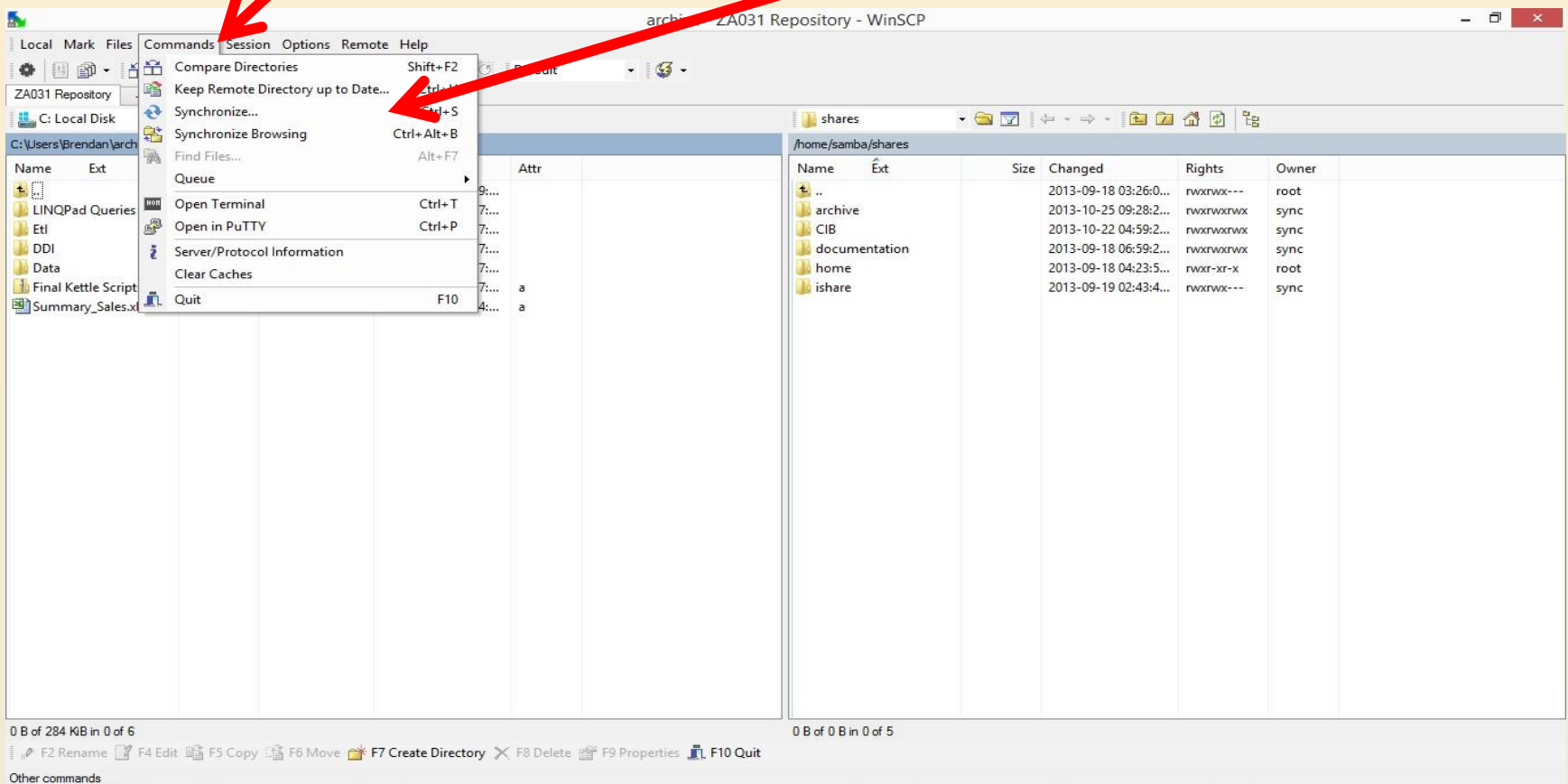
F2 Rename F4 Edit F5 Copy F6 Move F7 Create Directory F8 Delete F9 Properties F10 Quit

SFTP-3 0:00:46

Local Backup

3. Navigate to local folder

4. Navigate Synchronize



Local Backup

5. Local Directory

6. Remote Directory

7. Local Target

8. Mode - Sync

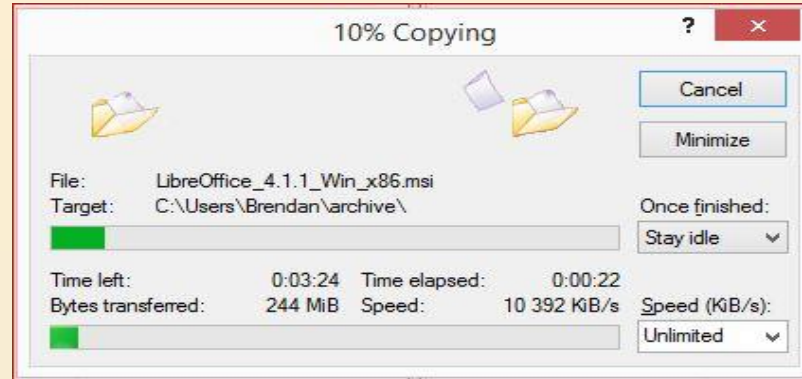
9. Uncheck Preview

The screenshot shows the 'Synchronize' dialog box with the following settings and annotations:

- Directories:**
 - Local directory:** C:\Users\Brendan\archive\archive (Annotated with '5. Local Directory')
 - Remote directory:** /home/samba/shares/archive (Annotated with '6. Remote Directory')
- Direction/Target directory:**
 - ☒ Local (Annotated with '7. Local Target')
 - ☐ Both
 - ☐ Remote
- Mode:**
 - ☒ Synchronize files (Annotated with '8. Mode - Sync')
 - ☐ Mirror files
 - ☐ Synchronize timestamps
- Synchronize options:**
 - ☐ Delete files
 - ☐ Existing files only
 - ☐ Preview changes (Annotated with '9. Uncheck Preview')
 - ☐ Selected files only
- Comparison criteria:**
 - ☒ Modification time
 - ☐ File size
- Transfer settings:**
 - ☐ Use same options next time
 - Default transfer settings
- Buttons:** Transfer settings..., OK, Cancel, Help

Local Backup

10.Sync Progress



11.Sync Completed

archive - bgilbert@192.168.0.60 - WinSCP

C:\Users\Brendan\archive							/home/samba/shares/archive					
Name	Ext	Size	Type	Changed	Attr		Name	Ext	Size	Changed	Rights	Owner
..			Parent directory	2013-10-24 12:19:...			..			2013-09-19 03:00:1...	rwxxrwx---	root
LINQPad Queries			File folder	2013-10-24 12:17:...			Data			2013-10-01 10:57:1...	rwxxrwx---	3000000
Etl			File folder	2013-10-24 12:17:...			DDI			2013-10-24 11:20:5...	rwxxrwxrwx	3000000
DDI			File folder	2013-10-24 12:17:...			Etl			2013-10-22 09:20:0...	rwxxrwx---	3000000
Data			File folder	2013-10-24 12:17:...			LINQPad Queries			2013-09-27 03:18:0...	rwxxrwx---	3000000
Final Kettle Scripts.zip		270 KiB	Compressed (z...	2013-10-01 11:47:...	a		Final Kettle Scripts.zip		270 KiB	2013-10-01 11:47:4...	rwxxrwx---	3000000
Summary_Sales.xls		13 824 B	Microsoft Exce...	2013-10-18 04:44:...	a		Summary_Sales.xls		13 824 B	2013-10-18 04:44:1...	rwxxrwxrwx	3000000

THANK YOU

