

USING ISCSI CAKE WITH WINDOWS 2008 CORE



Feb., 2009, Youngzsoft

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INTRODUCTION

Server Core is one of the most innovative features of Microsoft Windows 2008. Server Core has a small, stable kernel which is enough to act as dedicated application server role, such as an iSCSI storage server. iSCSI Cake is a standard iSCSI target which supports a variety of storage resources including disk, partition, VMDK file, and image file. This paper provides instructions of configuring iSCSI Cake in Windows 2008 server core.

Figure 1 is the system setup which consists of 2 computers:

- A Windows 2008 as iSCSI Cake server. (In VMware station)
- A Windows XP as management consol.

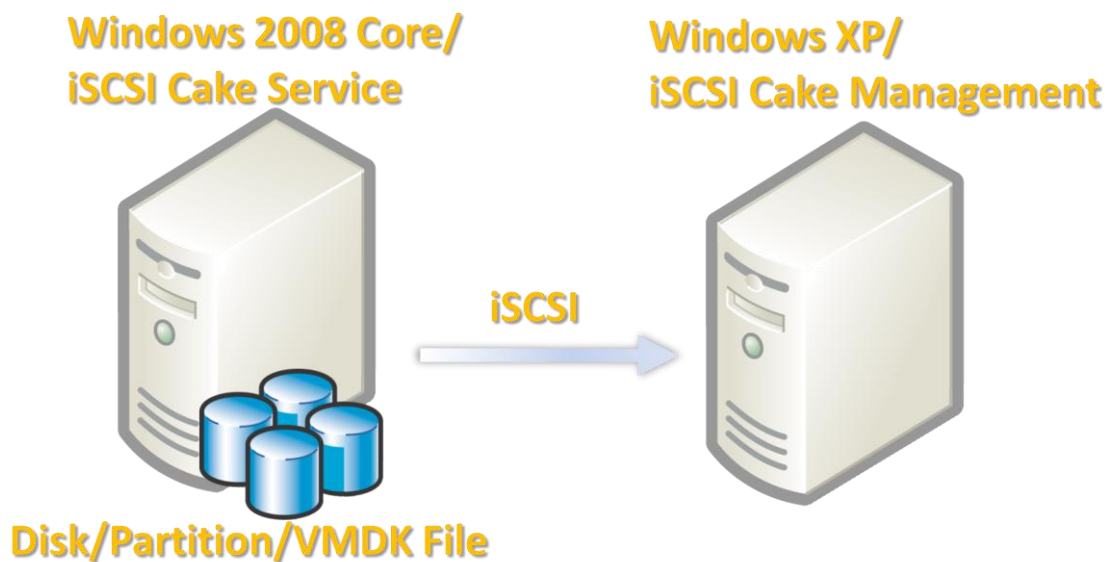
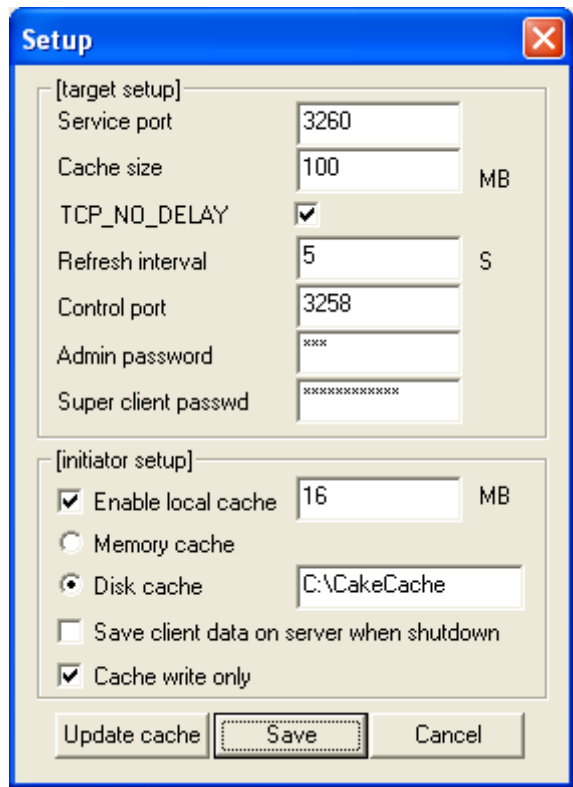
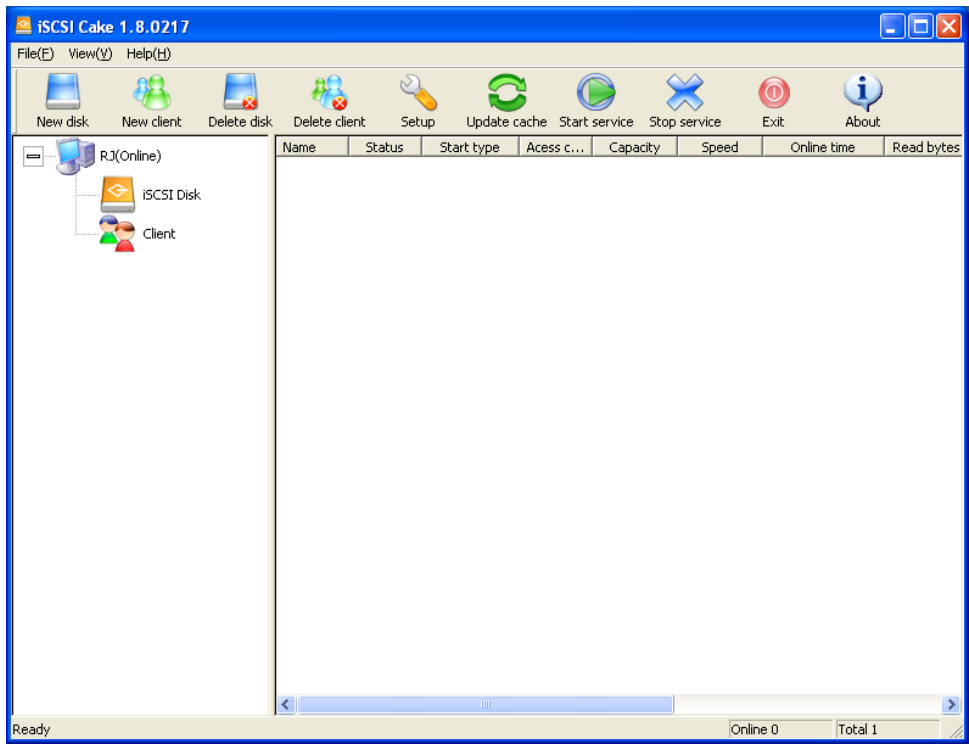


Figure 1. System setup.

EXTRACT SETUP FILES OF ISCSI CAKE

Download the latest version from <http://www.iscsicake.com>. Install it on Windows XP machine. Open the management GUI and click “Setup” button to setup Admin password. The Admin password is necessary because iSCSI Cake does not allow remote management without password.



INSTALL ISCSI CAKE ON SERVER CORE

Share the iSCSI Cake installation folder on XP machine which is "C:\Program Files\iSCSI Cake" by default. In Windows 2008 Server Core, copy all files from XP machine to C:\iscsicake.

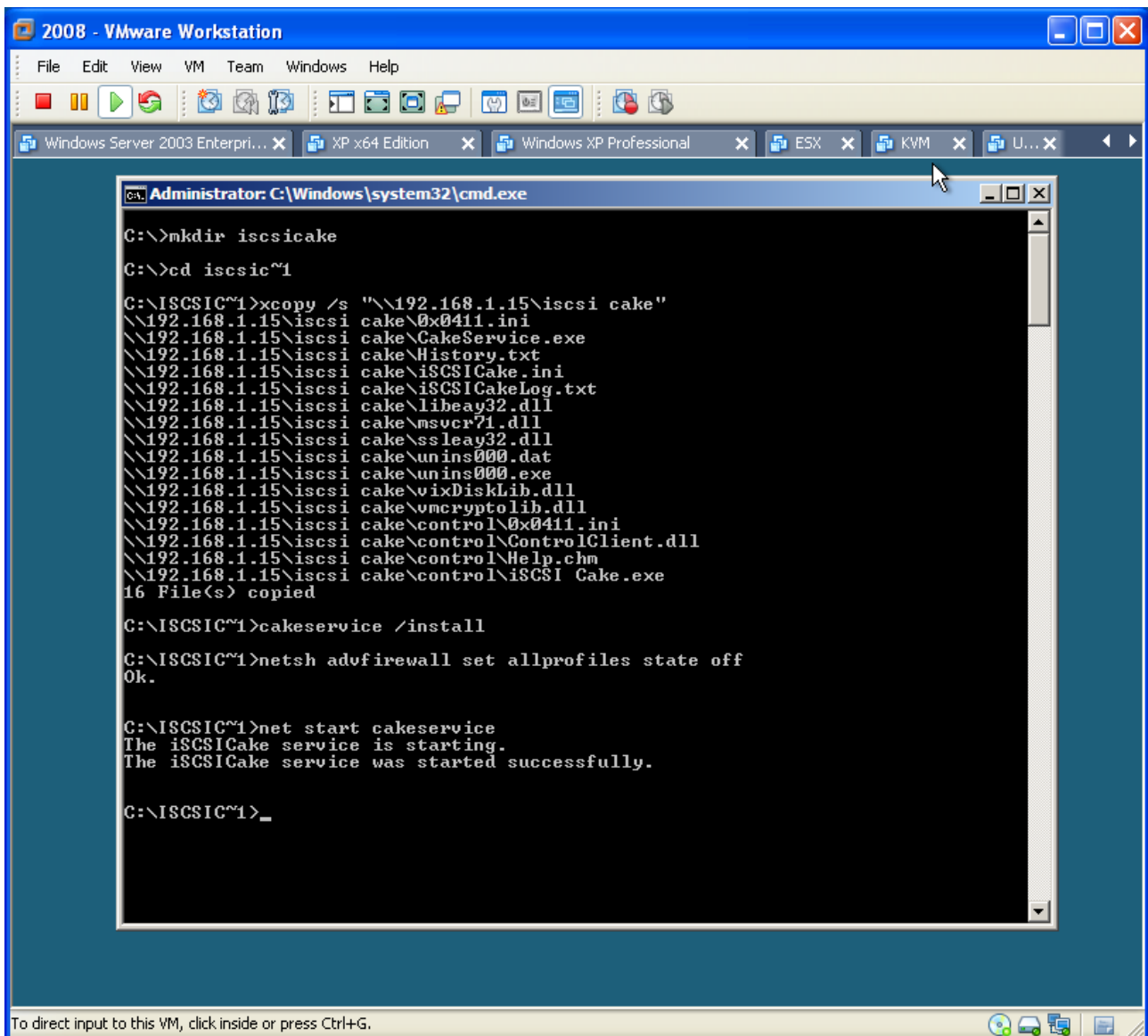
```
mkdir C:\iscsicake
cd iscsic~1
xcopy /s "\\192.168.1.15\iSCSI Cake"
```

Install and start iSCSI Cake service.

```
cakeservice.exe /install
netstart cakeservice
```

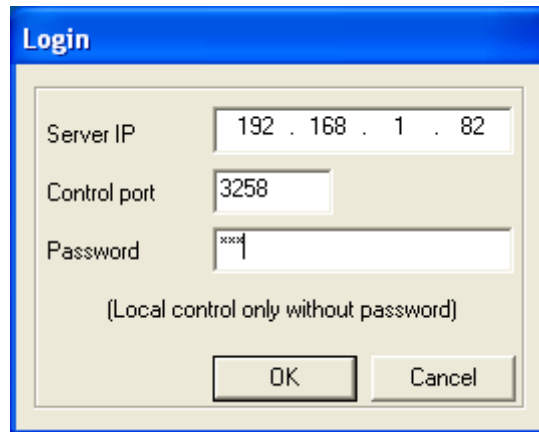
Close firewall.

```
netsh advfirewall set allprofiles state off
```

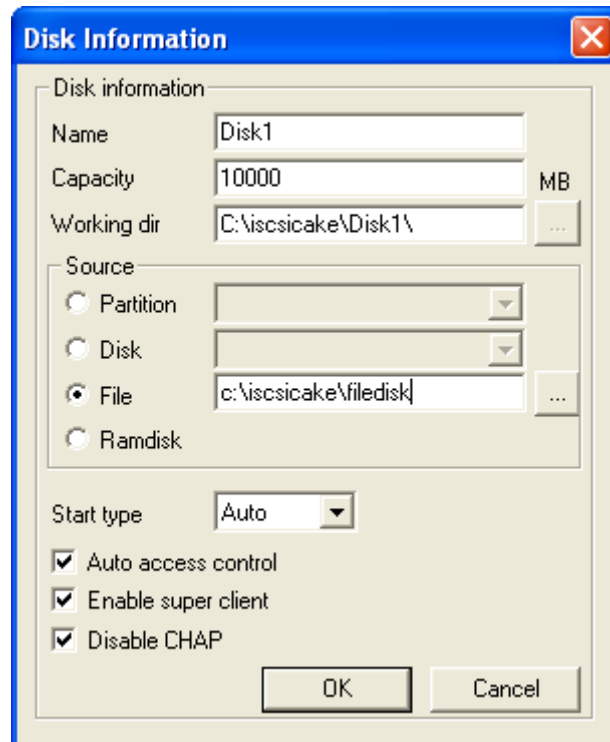


MANAGE ISCSI CAKE

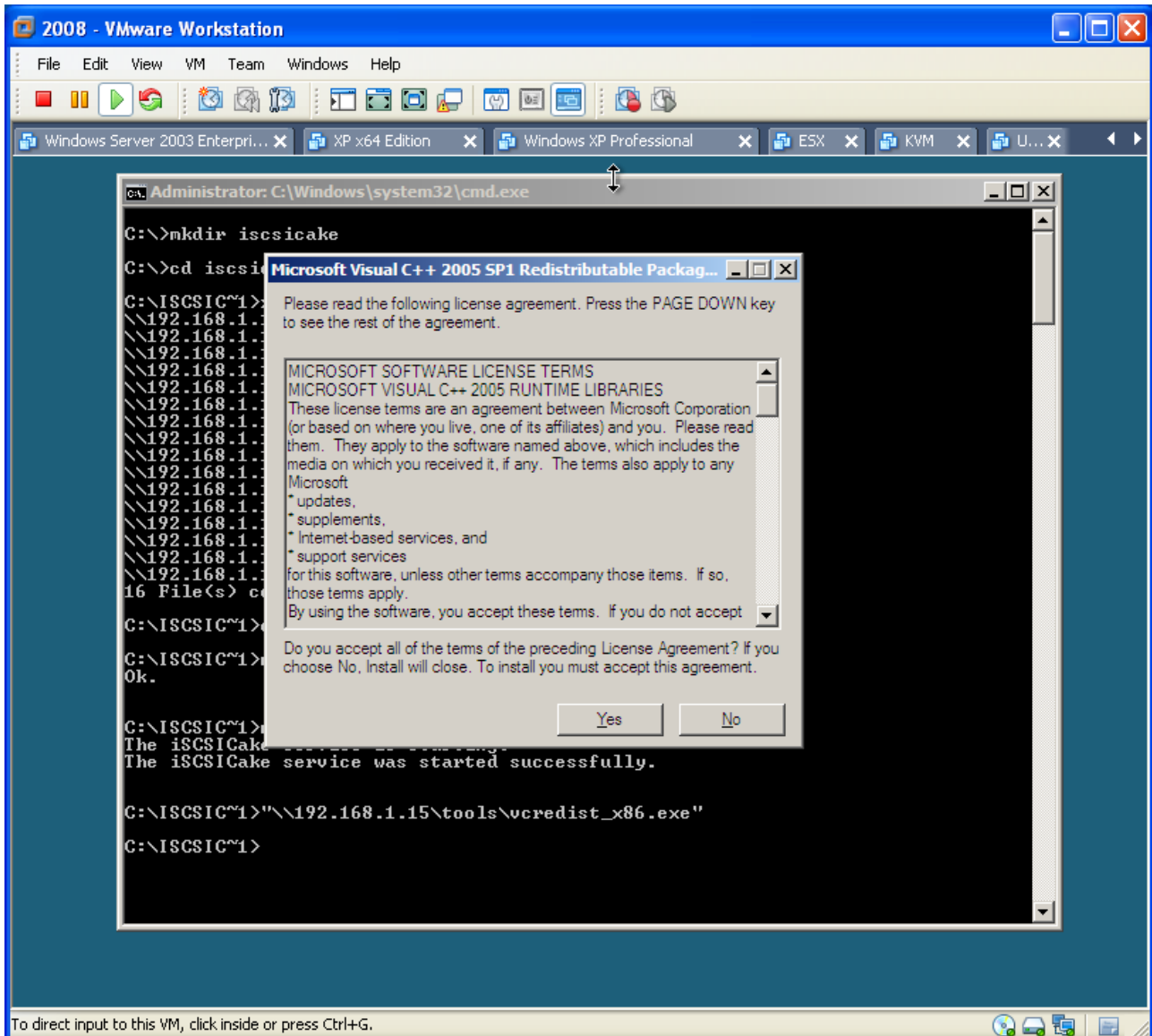
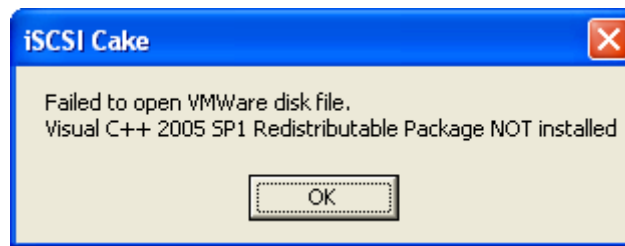
Open iSCSI Cake GUI on XP machine; change the Server IP to the address of Server Core. Log in with password.



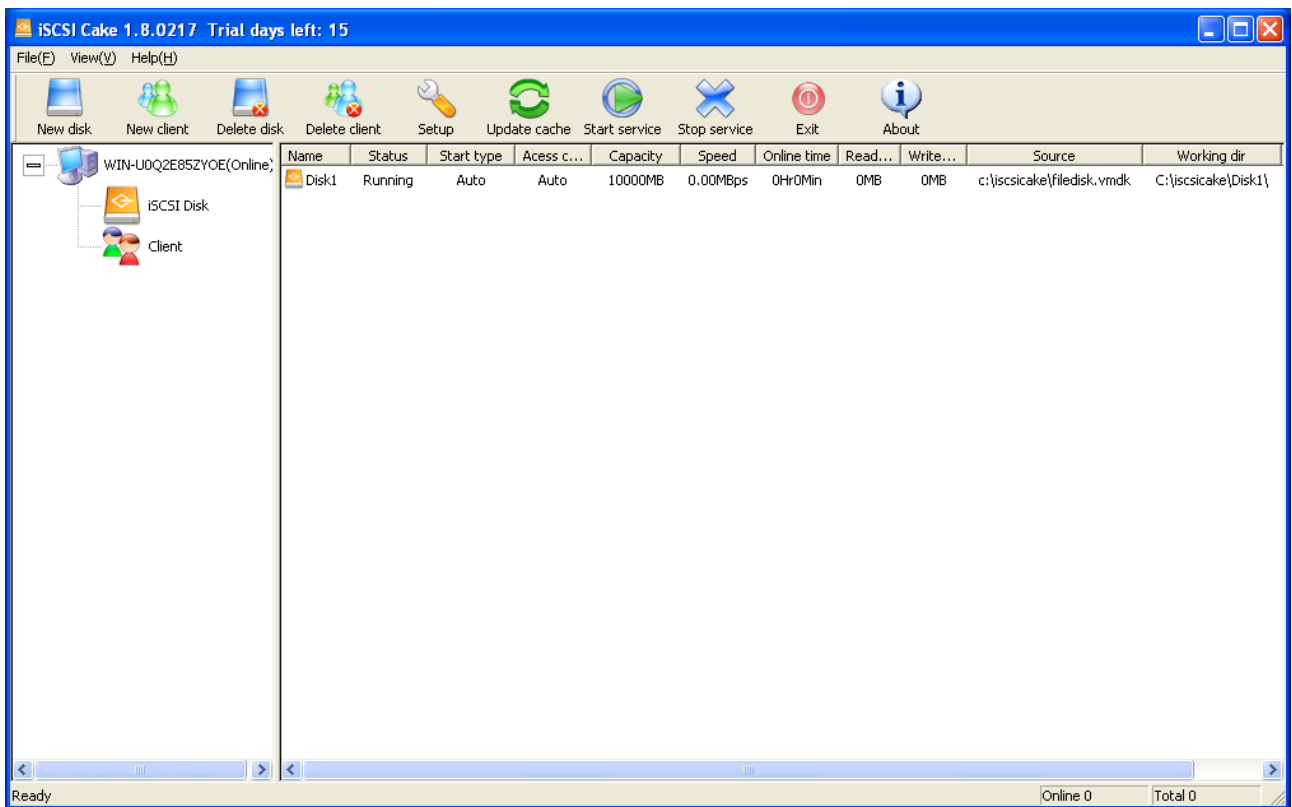
Add a new disk using VMDK file. The Working dir and the path of the VMDK file need to be edited manually as shown in following figure.



VMDK file support needs [Microsoft Visual C++ 2005 Redistributable Package](#). So download and install it if the error of following figure appears.

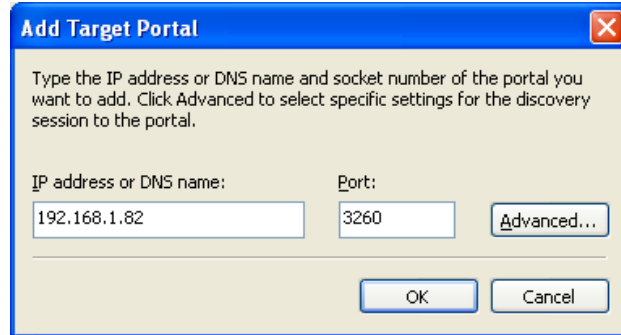


Here is the management GUI if the new iSCSI disk has been successfully created.

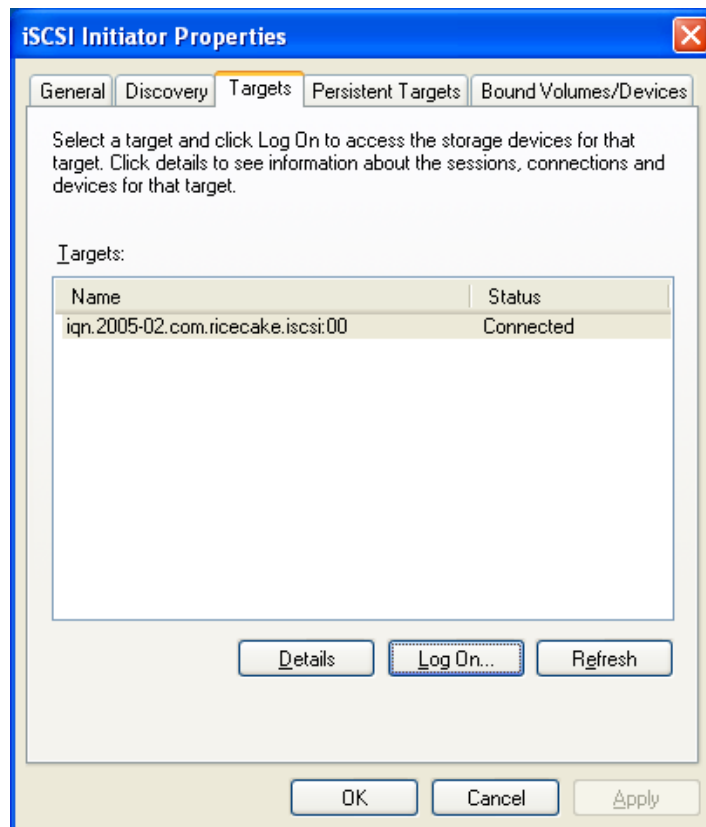
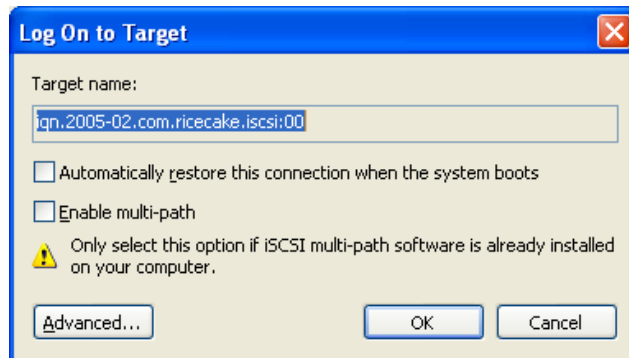


CONNECT TO ISCSI CAKE

Install iSCSI initiator on XP machine. Open it and click “Discovery” tab to add the address of Server Core.



Go to “Targets” tab and click “Log On” button to connect to iSCSI target.



REMOVE ISCSI CAKE

iSCSI Cake service can be removed from command line:

```
net stop cakeservice
```

```
c:\iscsicake\cakeservice.exe /remove
```

CONTACT

iSCSI Cake(CCDisk)

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