IBM System Storage DS5100 and DS5300 via native Fibre attachment for IBM i.

Quick Start Paper

This quick start paper is to help the first time IBM i customer set up and assign IBM i LUNS on the DS5300/5100 using the DS5000 Storage Manager software. The DS5000 Storage Manager software is used to configure, manage, and troubleshoot the DS5000 storage servers.

There is not an IBM System Storage™ DS Storage Manager host software packages that runs on the IBM i server operating system. To manage the DS5300/DS5100 storage subsystems that are IO attached to your IBM i Server hosts, you must install the DS Storage Manager client software (SMclient) on a Windows, Linux on Power, or AIX management workstation. The SMclient program is included in the IBM System Storage™ DS Storage Manager version 10 for Windows, AIX, and Linux on Power operating systems host software packages.

The user should familiarize themselves with the following Redbook:

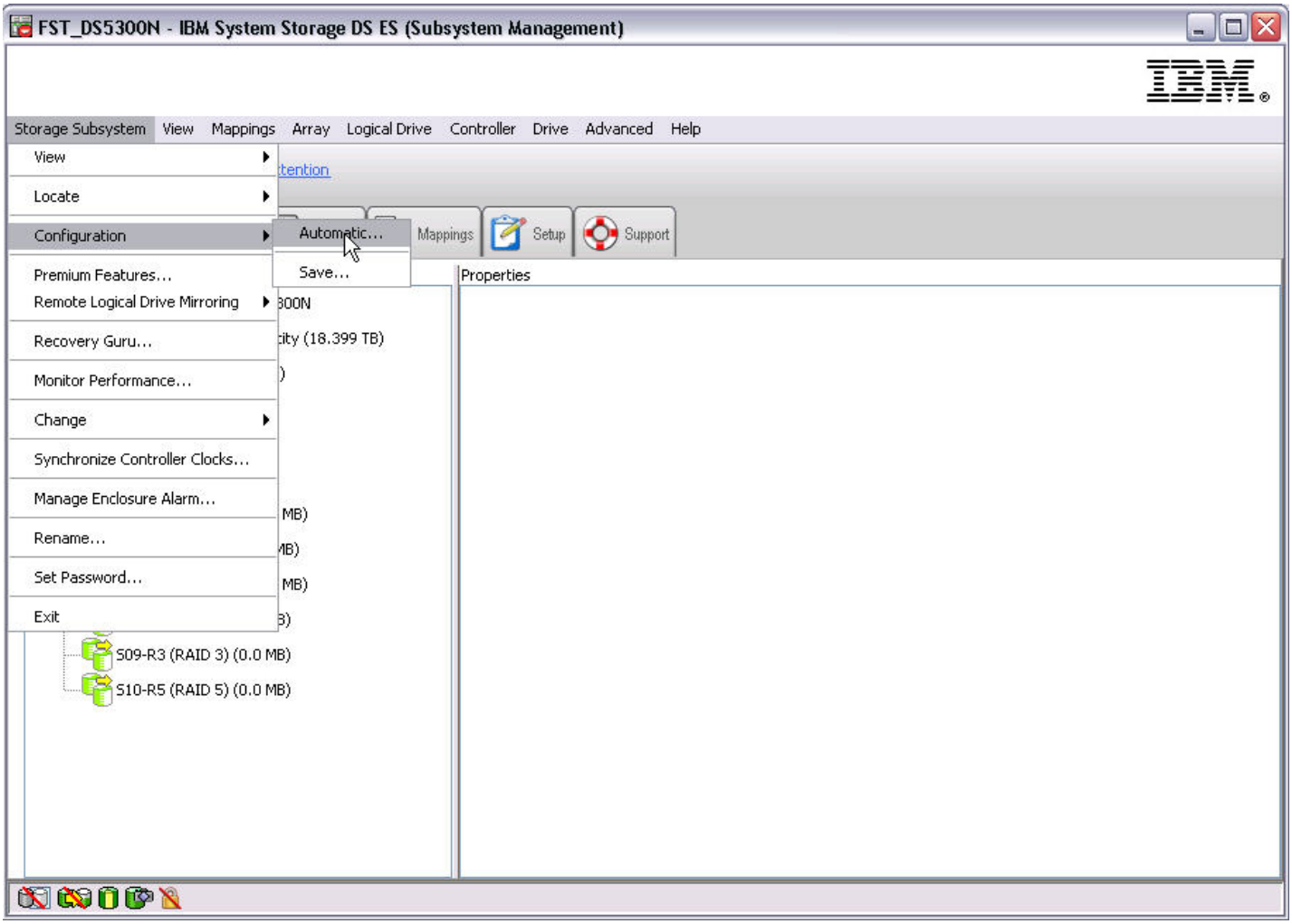
Introduction to the IBM System Storage DS5000 Series

See http://www.redbooks.ibm.com for the latest updated version.

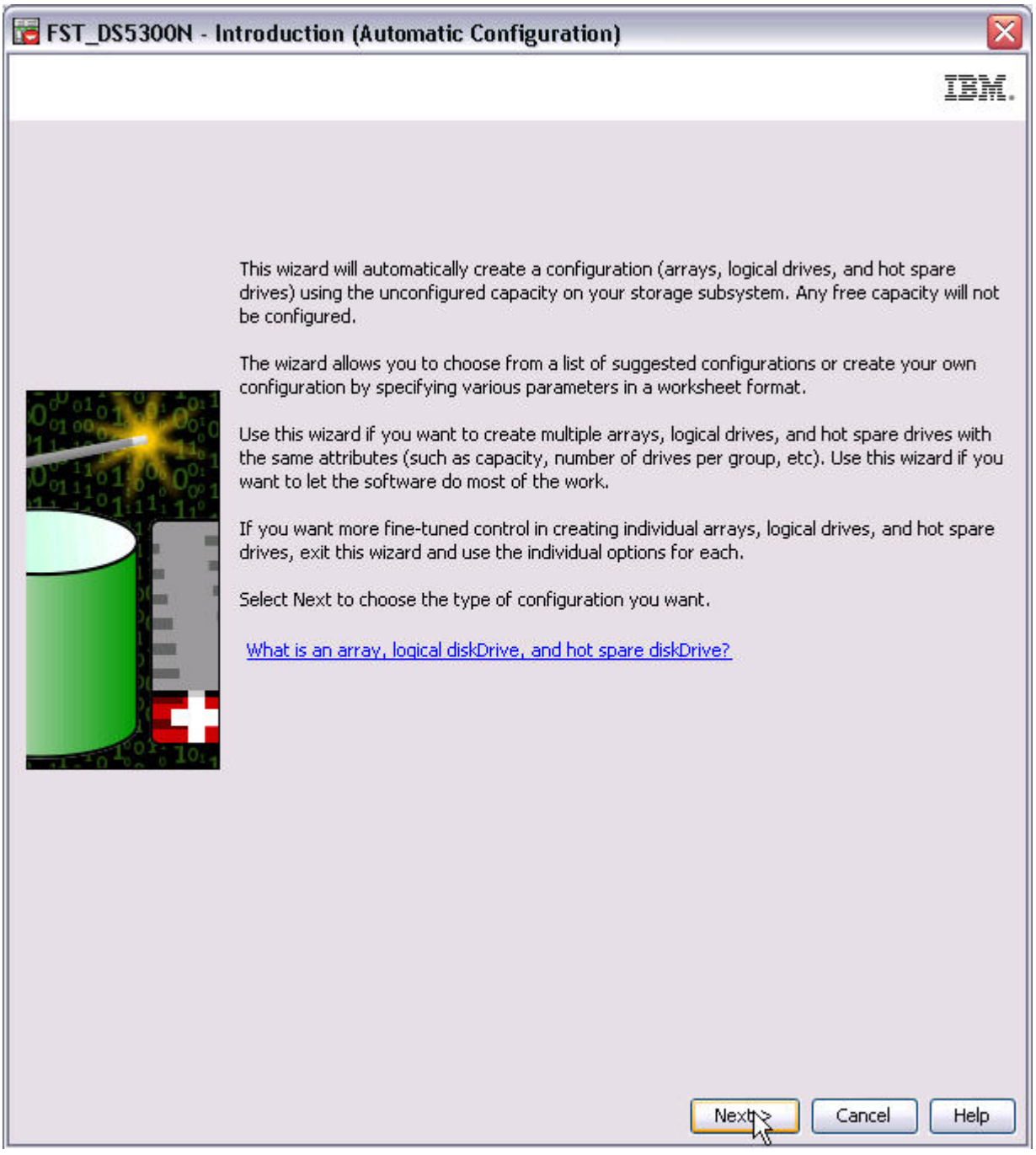
Check for updates to this paper at: http://www.ibm.com/support

The following screen captures are examples of setting up an IBM i using IBM Storage Manager with the DS5300/5100. These are only simplified examples and are not meant to show a fully configured or optimized setup.

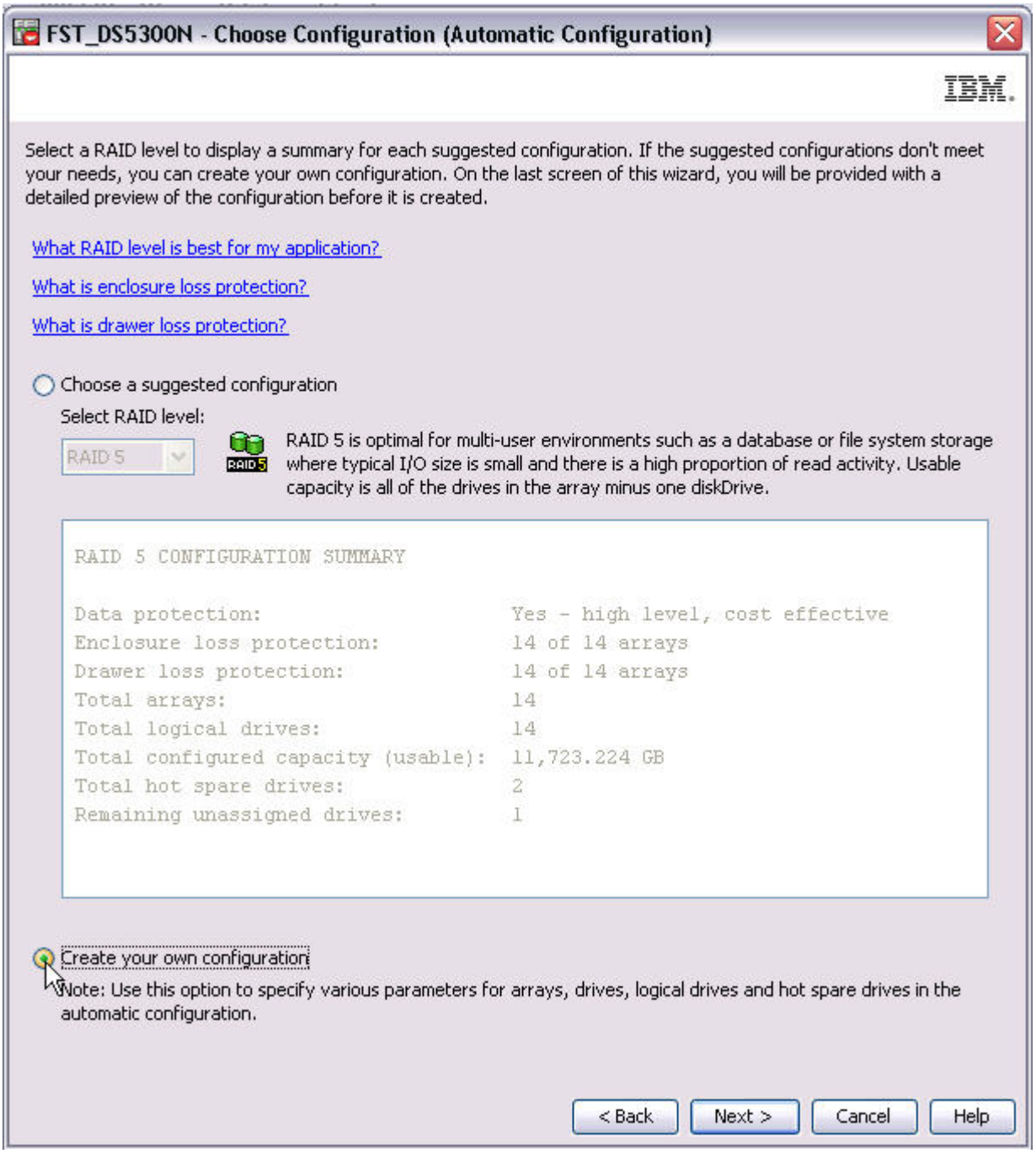
We start the example by starting with the automatic configuration to simplify the setup.



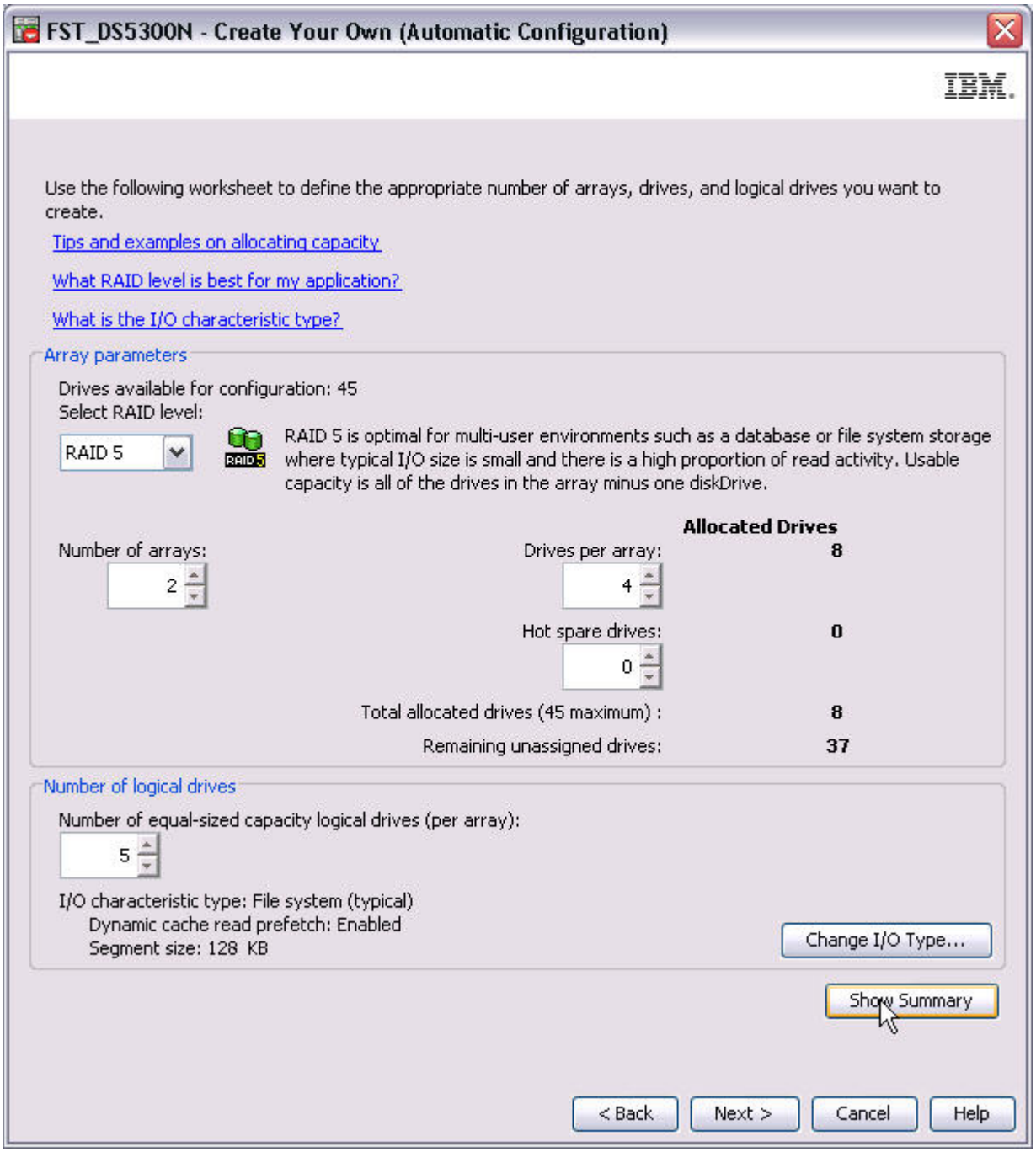
Automatic configuration information is presented.



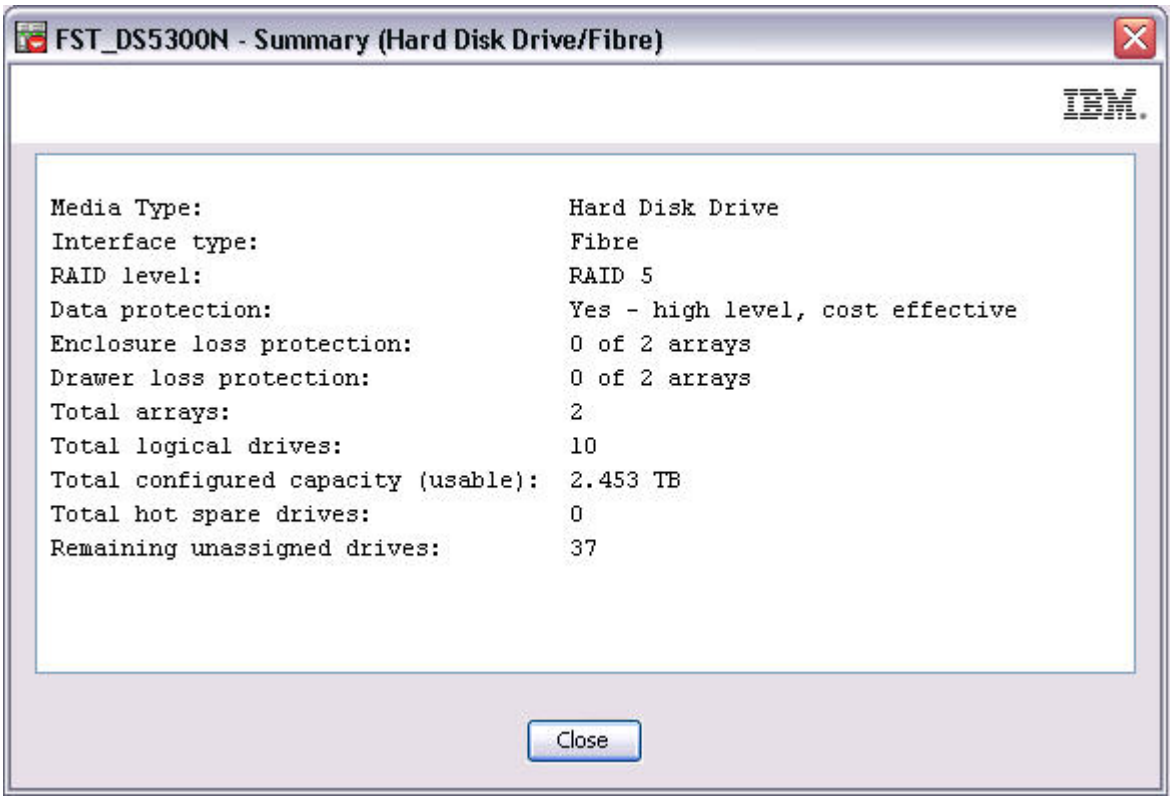
On this screen you select “Create your own configuration”.



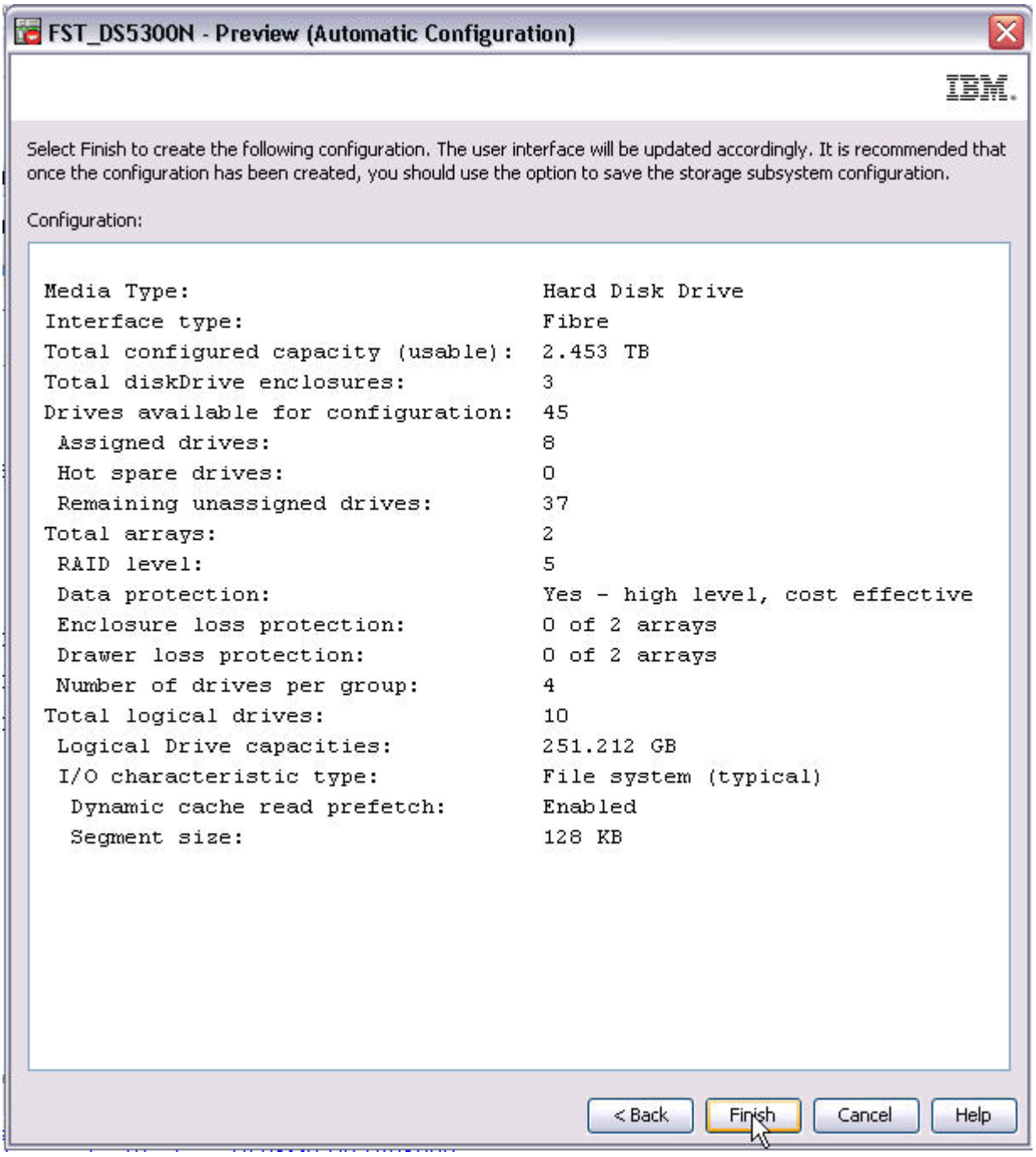
Here you assign the protection level, number of arrays and drives.



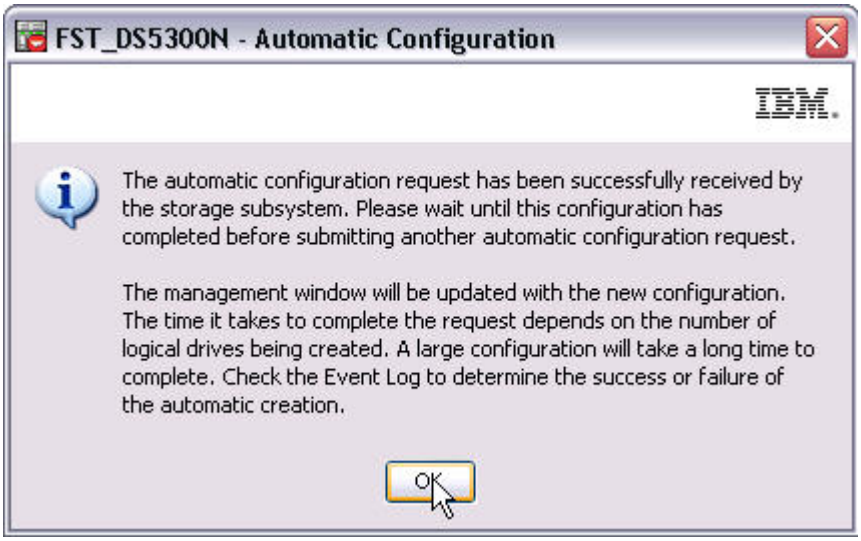
Summary of setup.



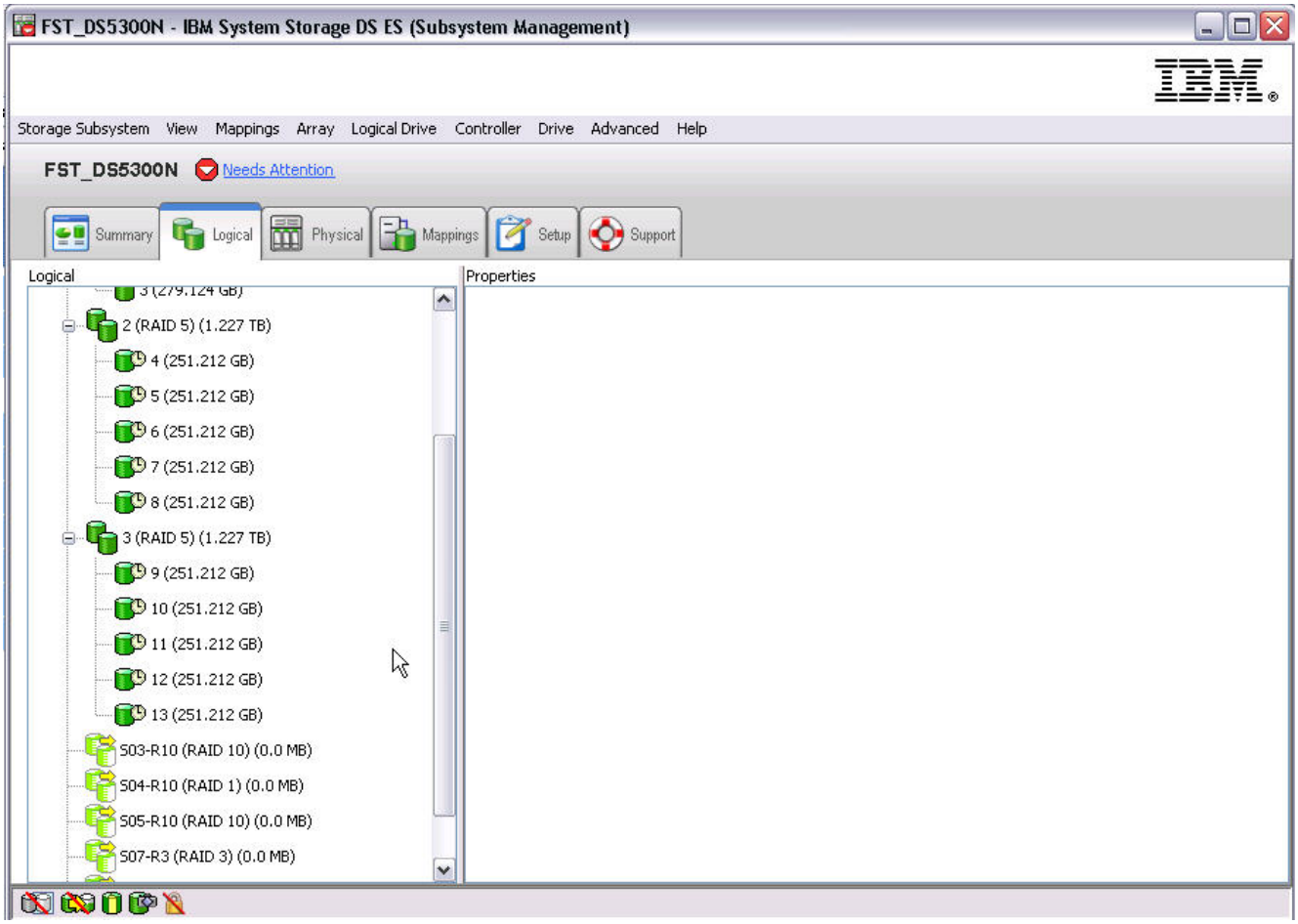
You confirm your selections.



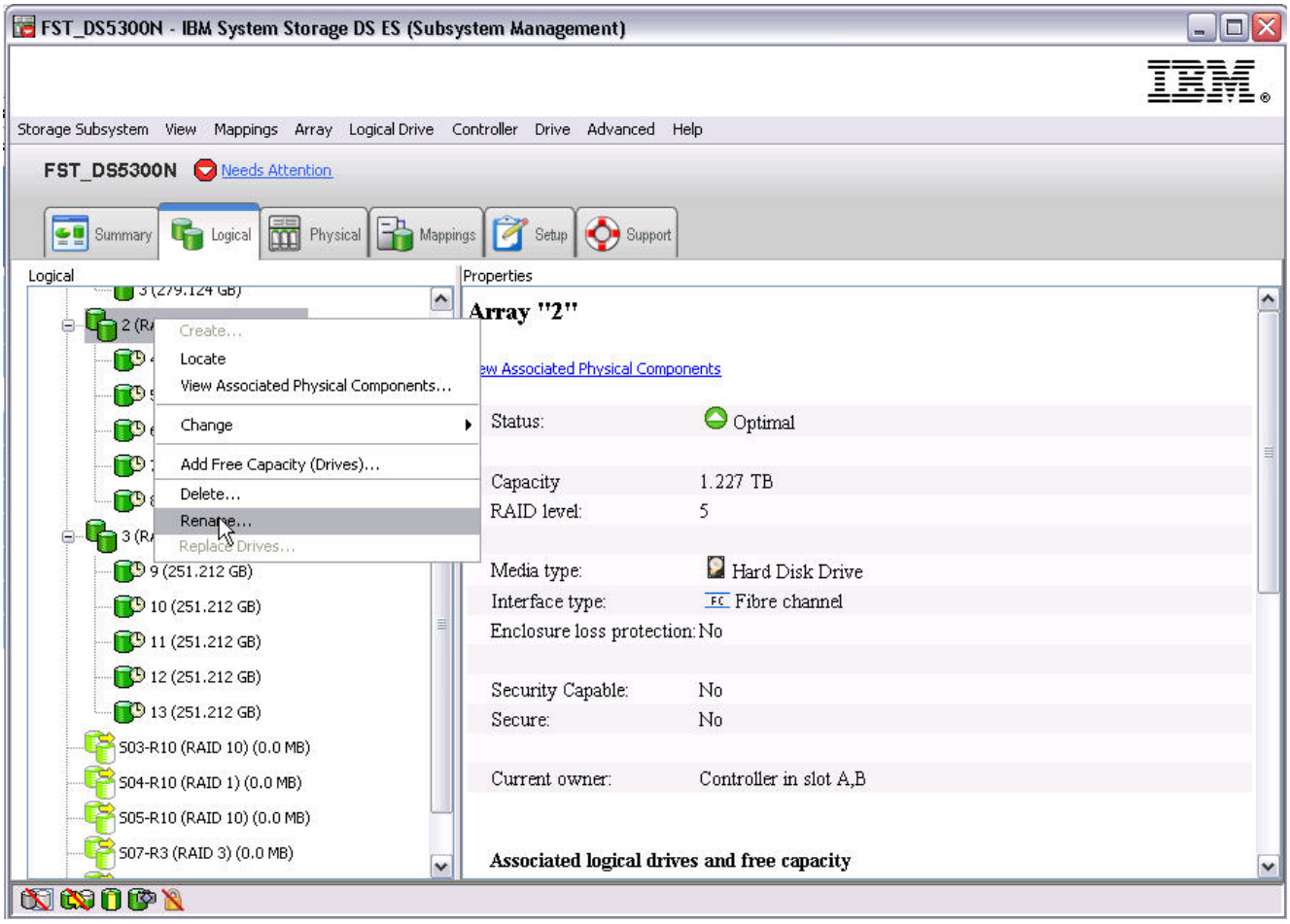
Confirmation message.



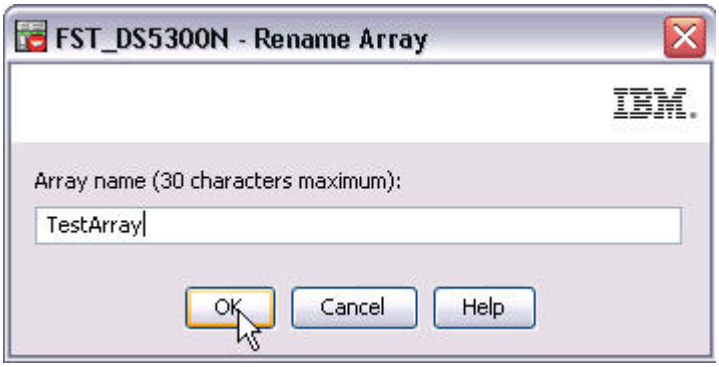
This shows you the results of your protection type that was chosen and size information.



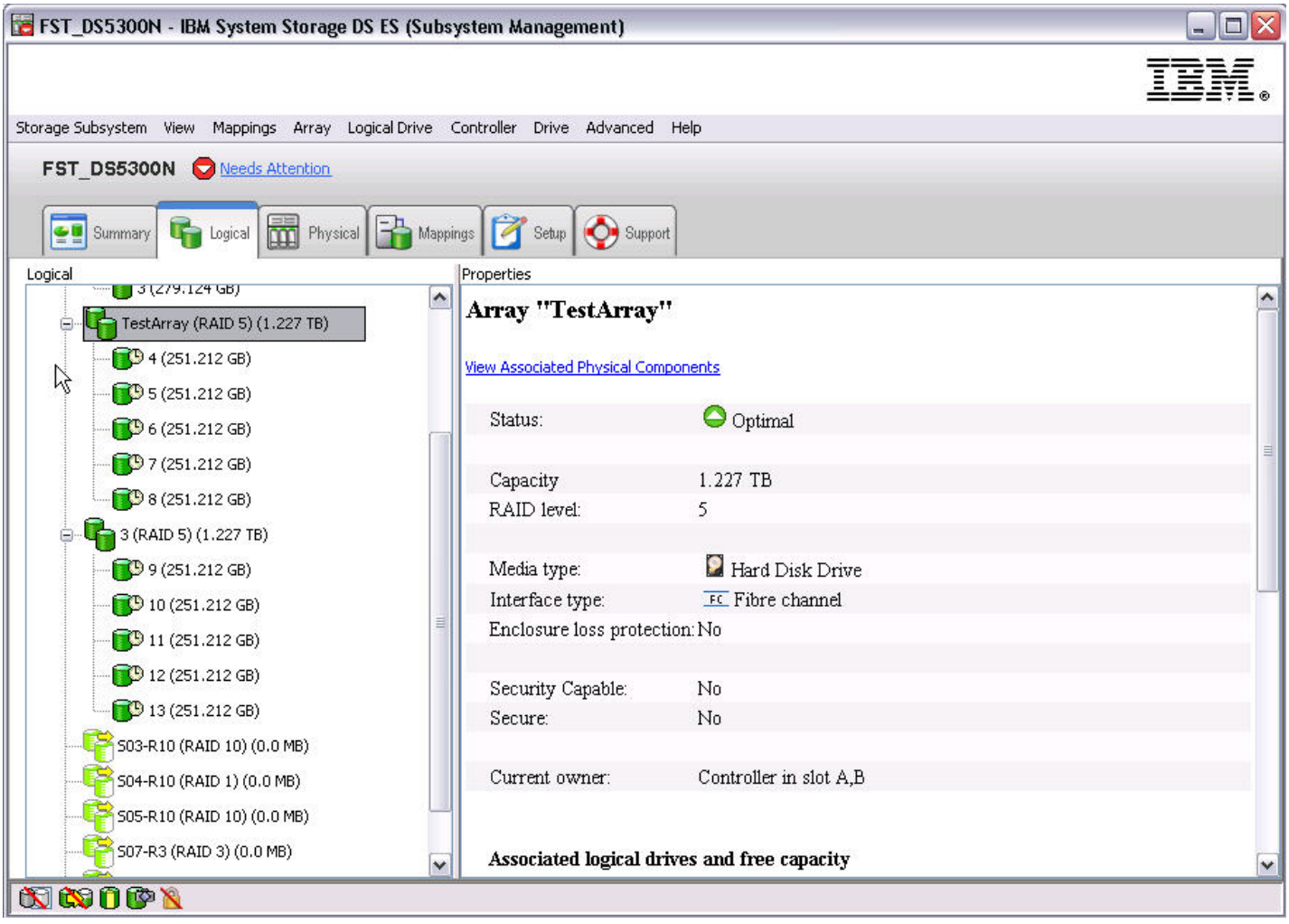
You can do a rename the array to match your needs.



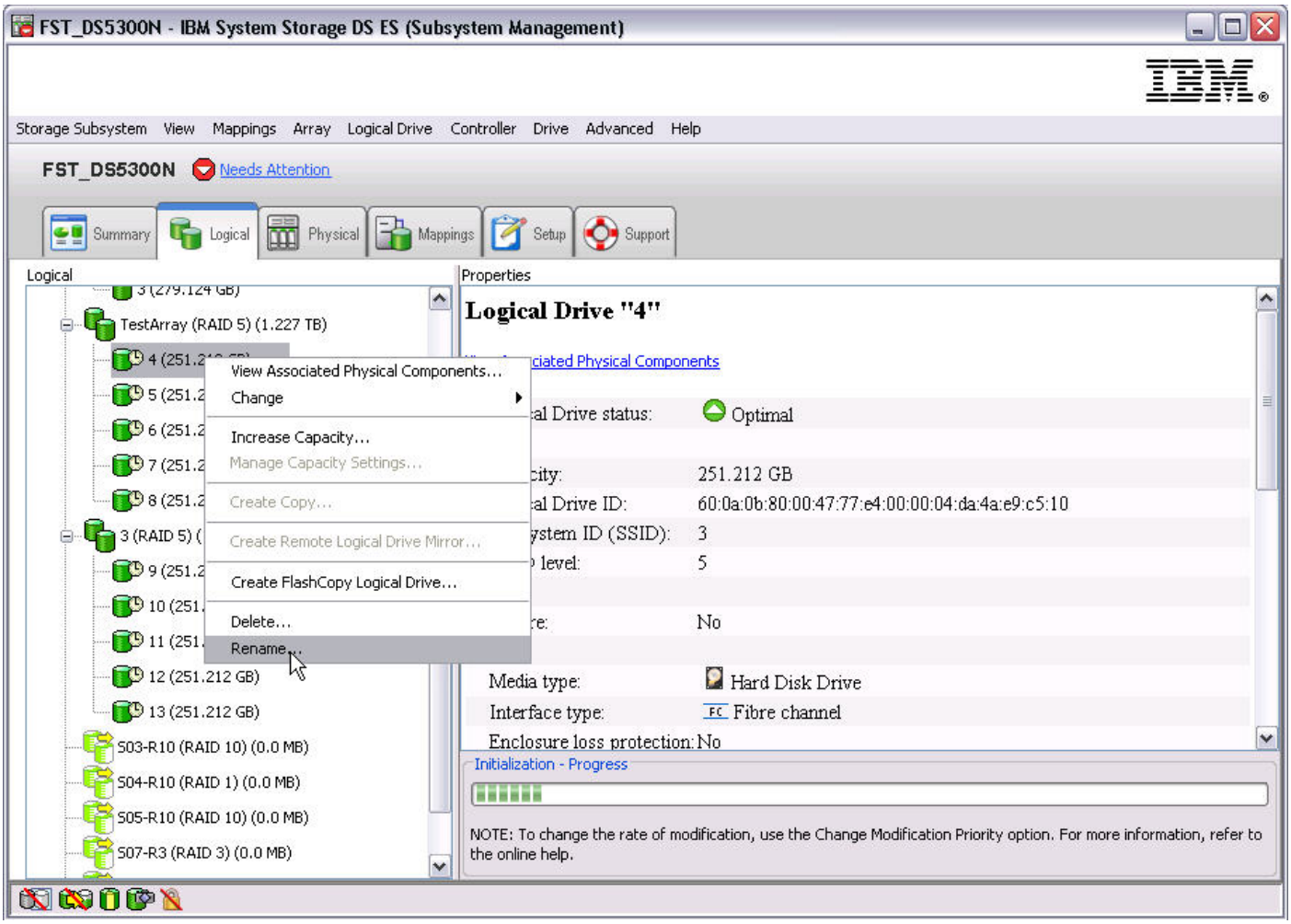
Type your new name for the array.



This screen shows the results of your rename operation.

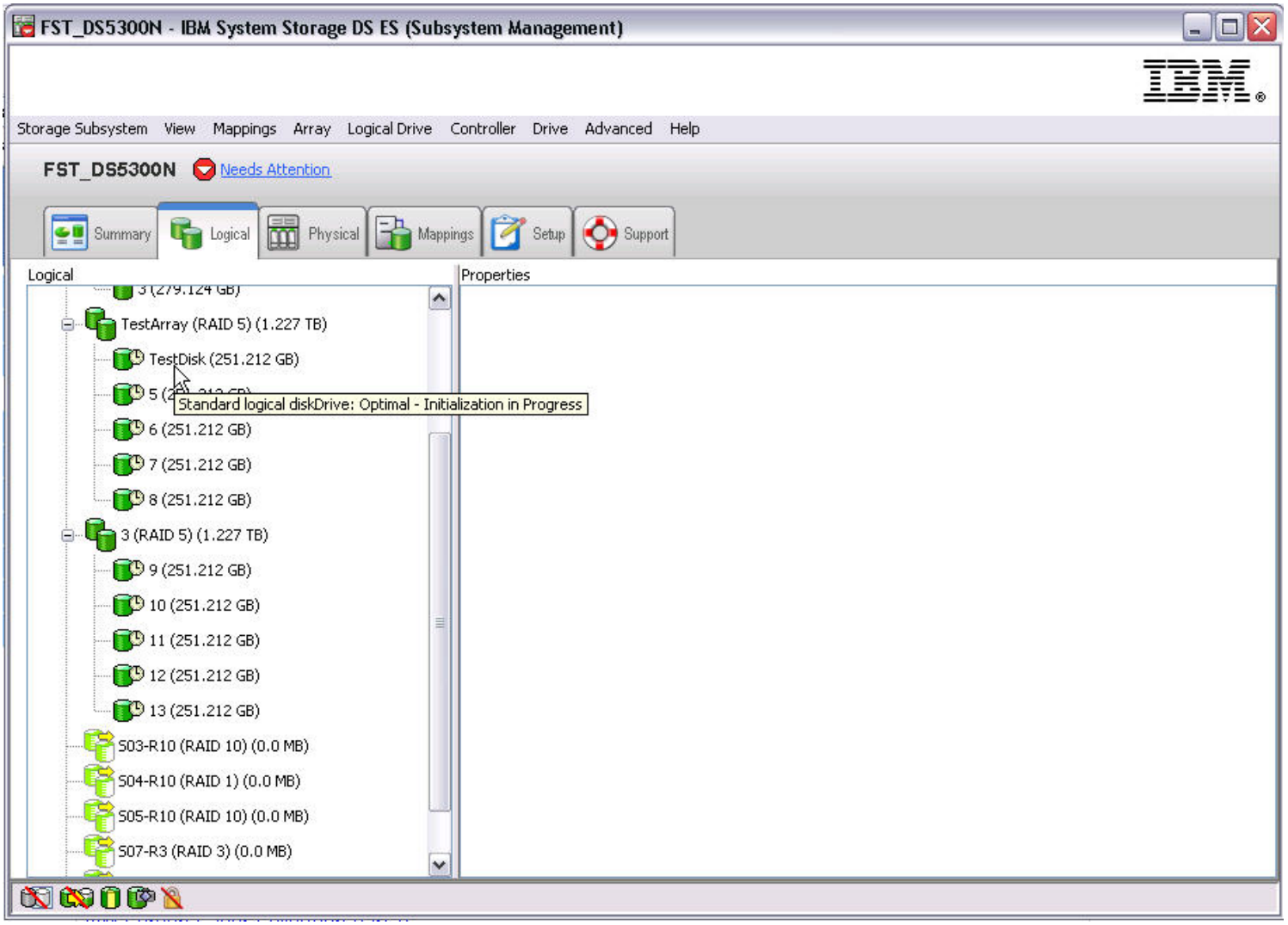


You can now do rename of the LUNs to match your needs.

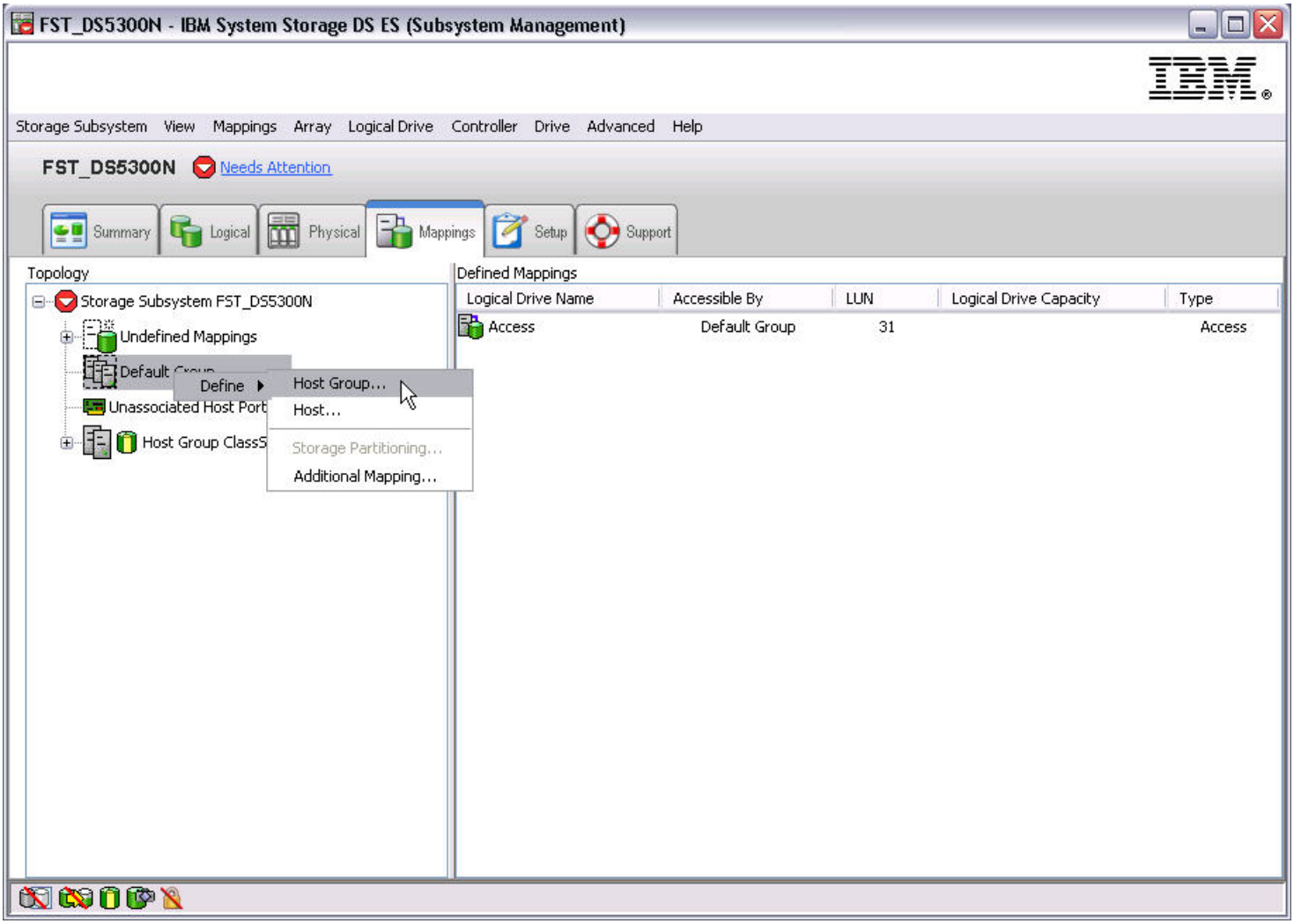


You type your new name.

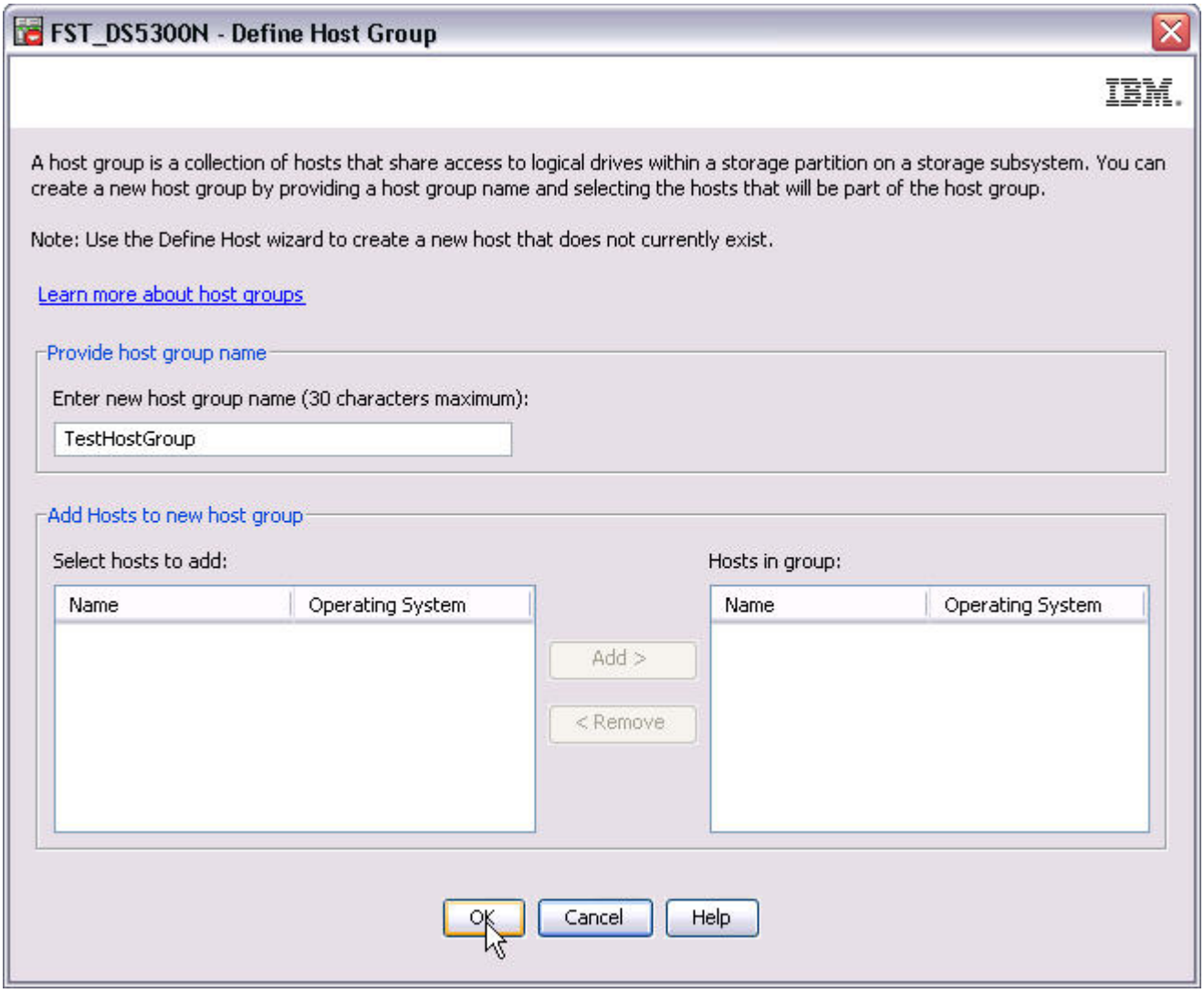
Shows the results of your rename.



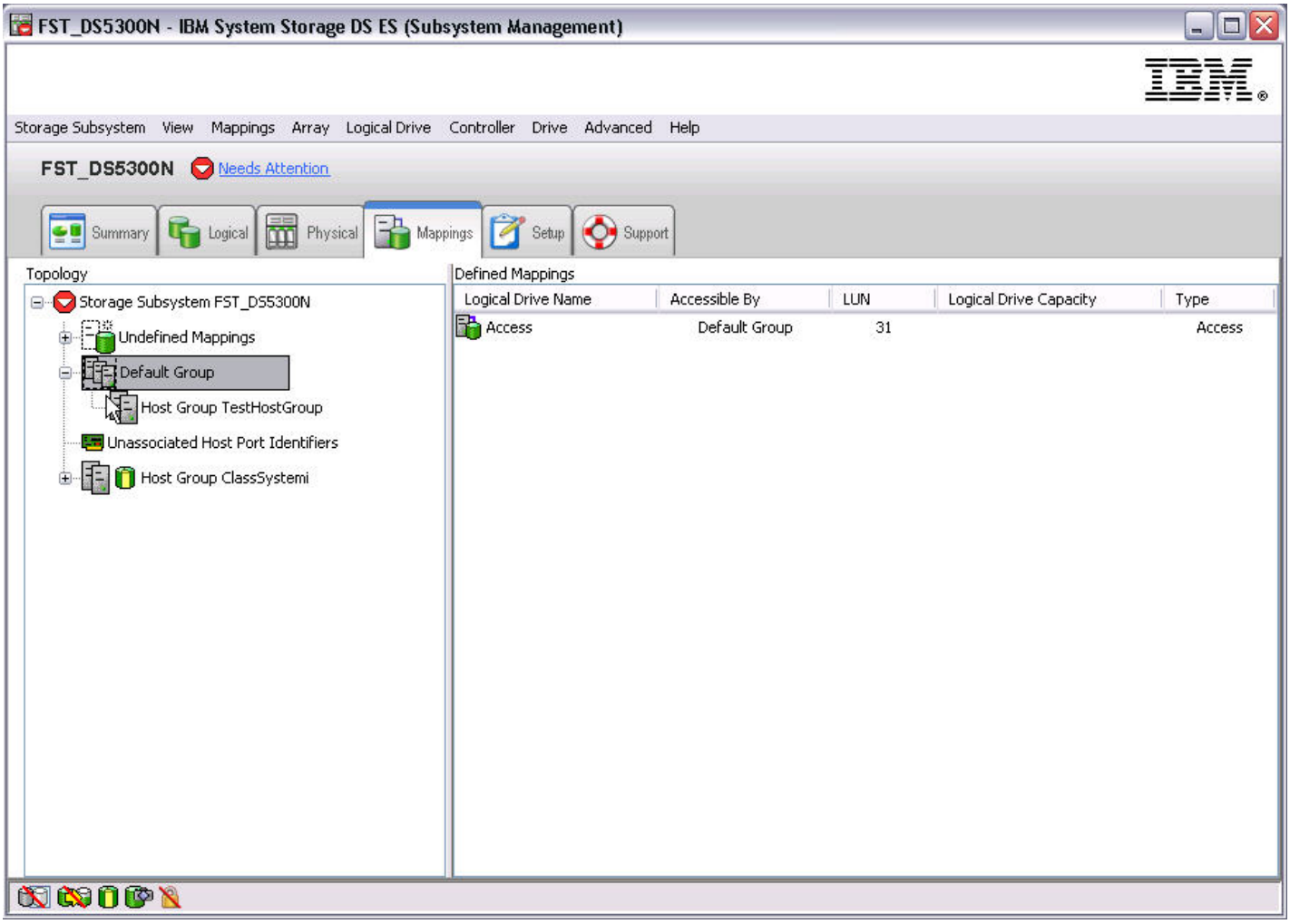
You now define your Host Group.



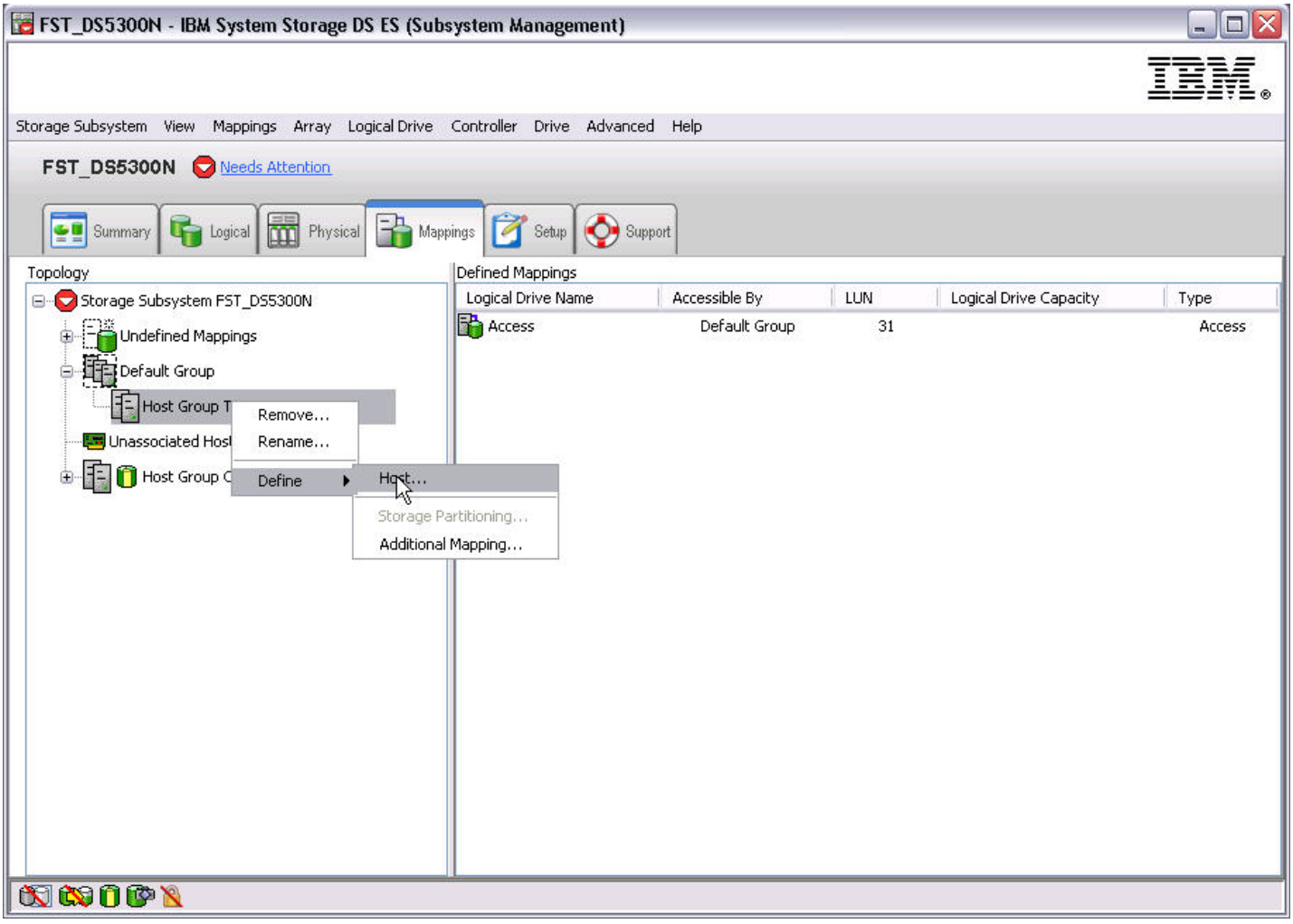
Name your new Host Group



The Host Group shows up under Default Group.



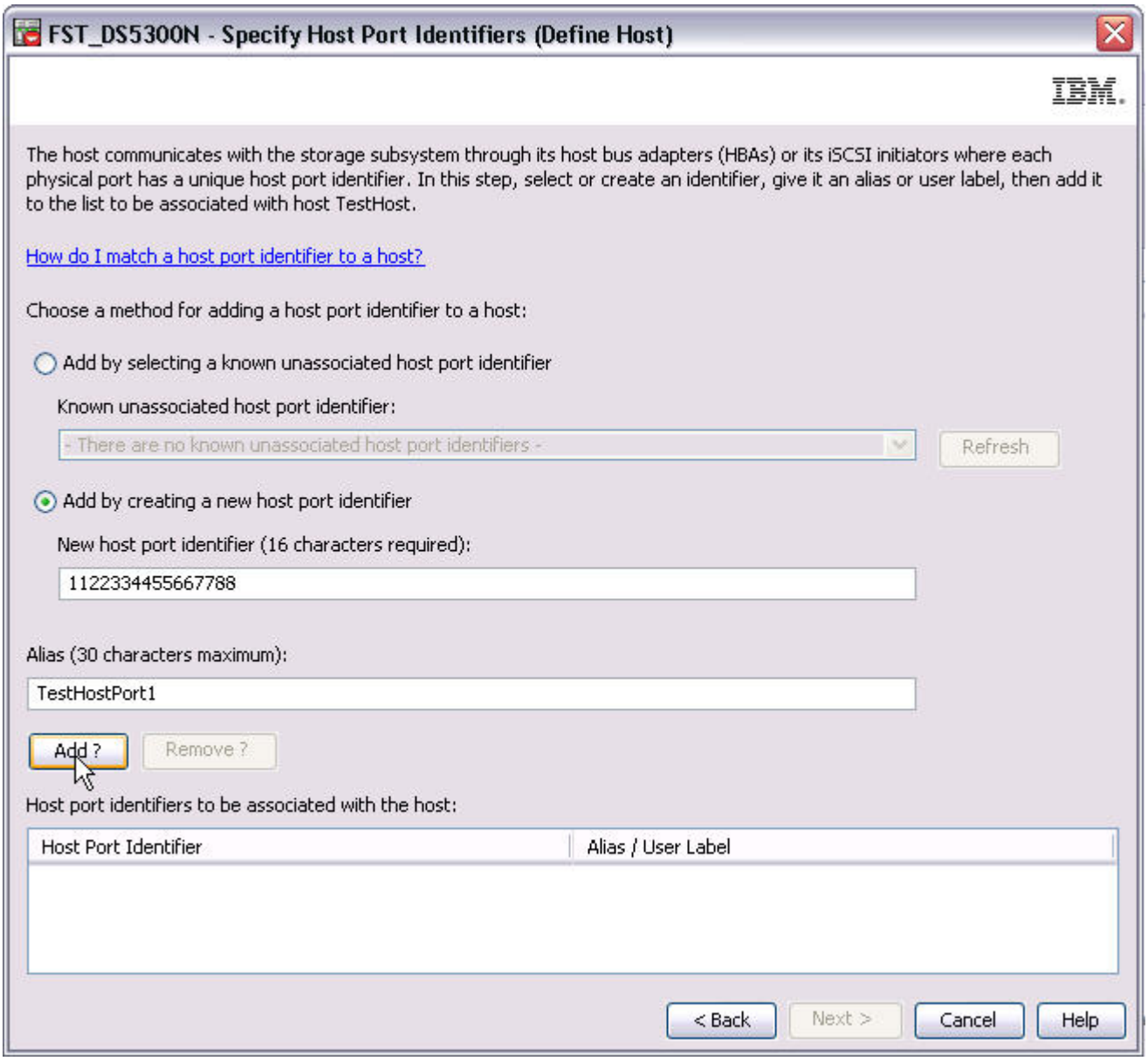
Create a Host Definition for each Host Bus Adapter (HBA) on the IBM i.



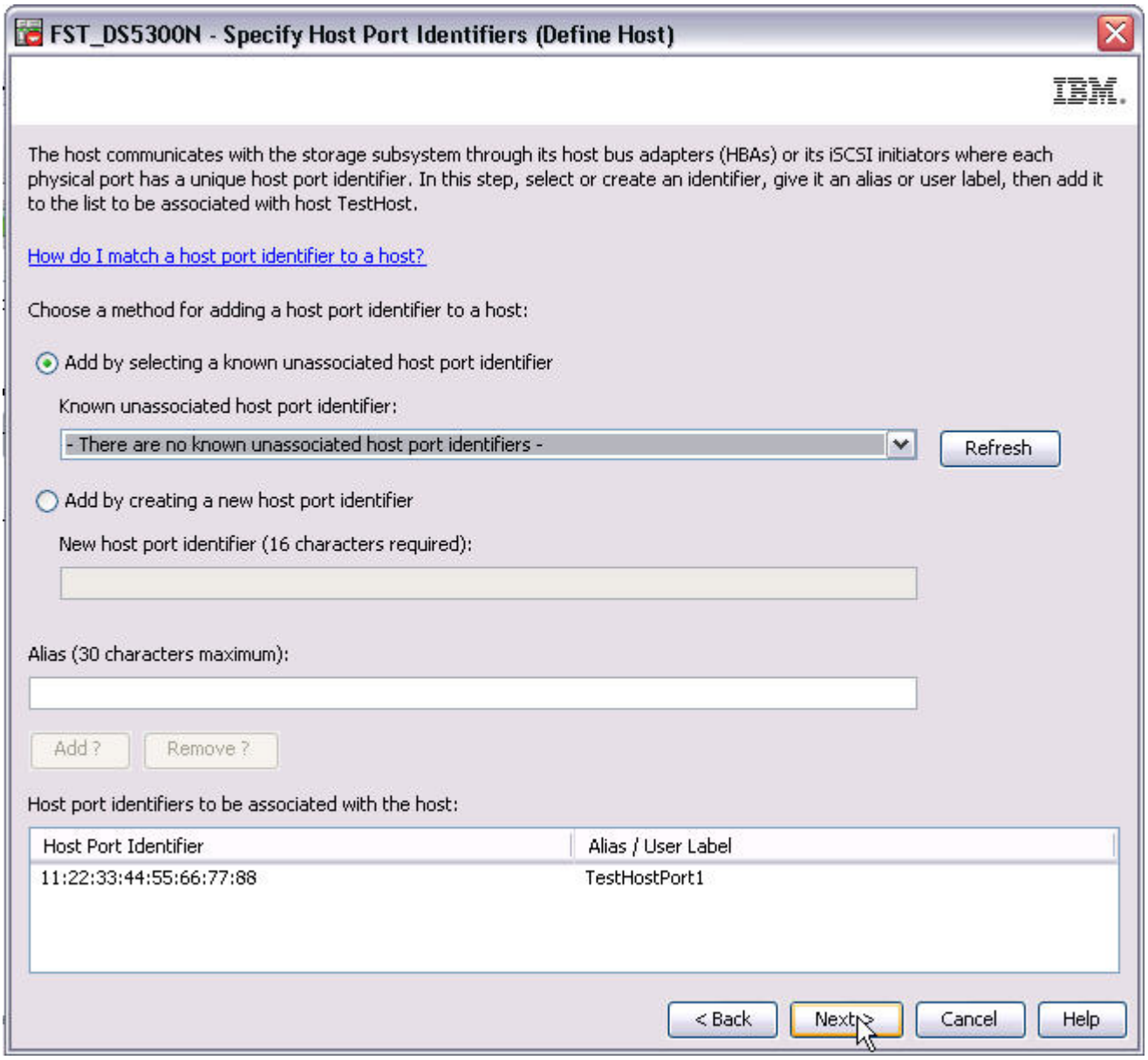
Give your host definition a name.

Type in your port identifier that IBM i will be using and click the Add button.

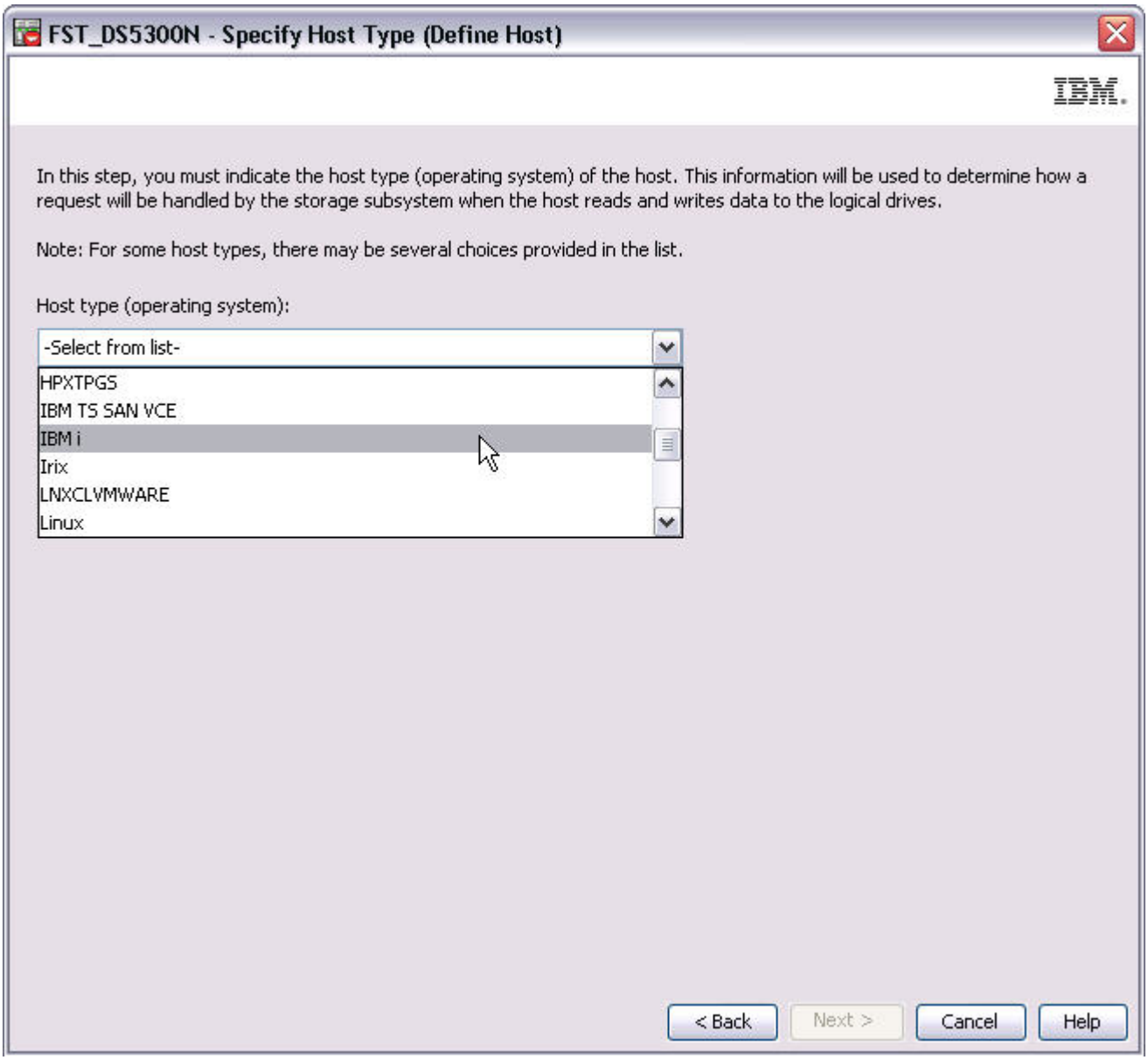
Note: IBM i requires two adapters to make a valid configuration so this will be a port on the first adapter.



Click Next to add this Host Definition to your host group.

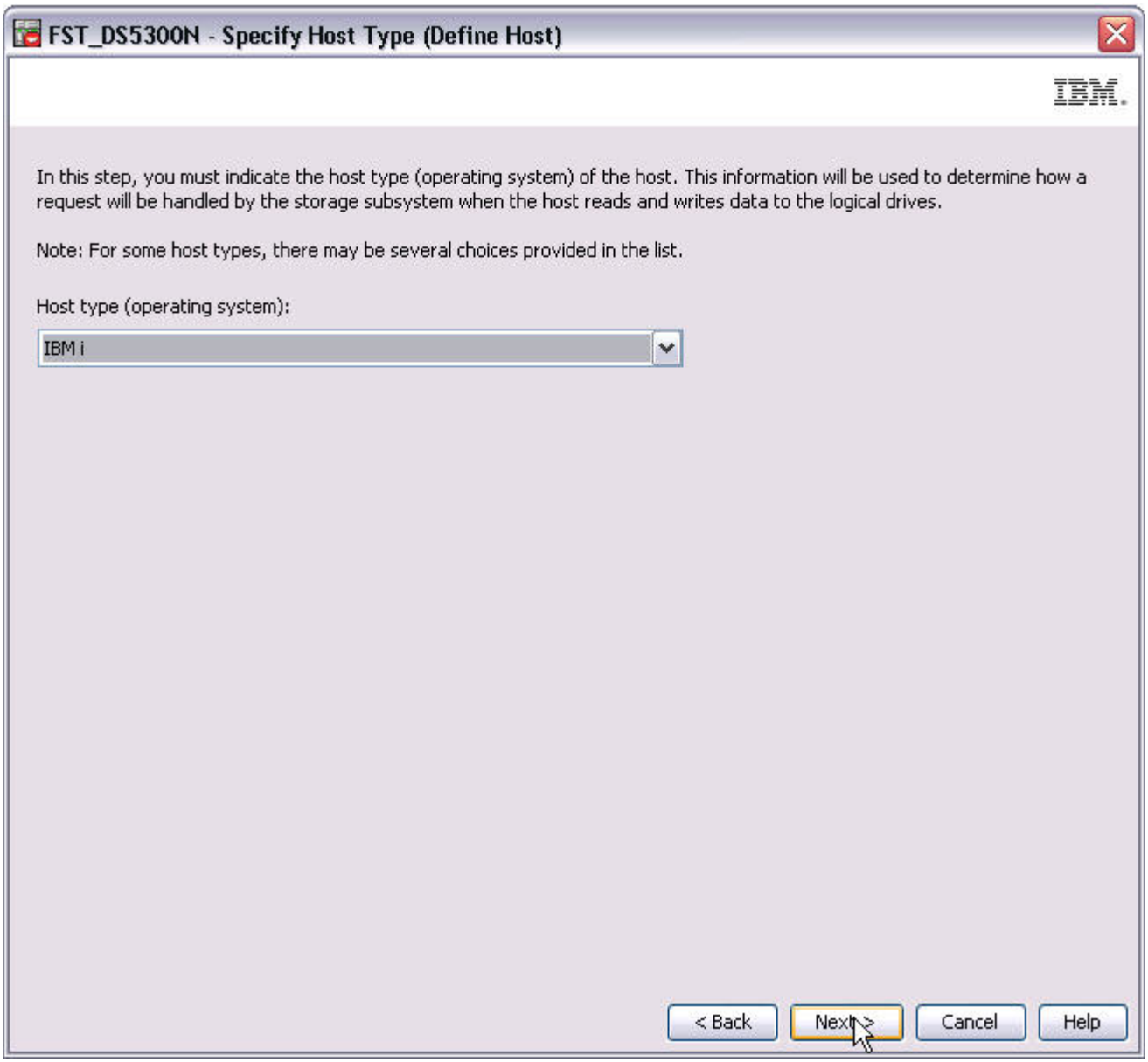


You select the IBM i as your host type.

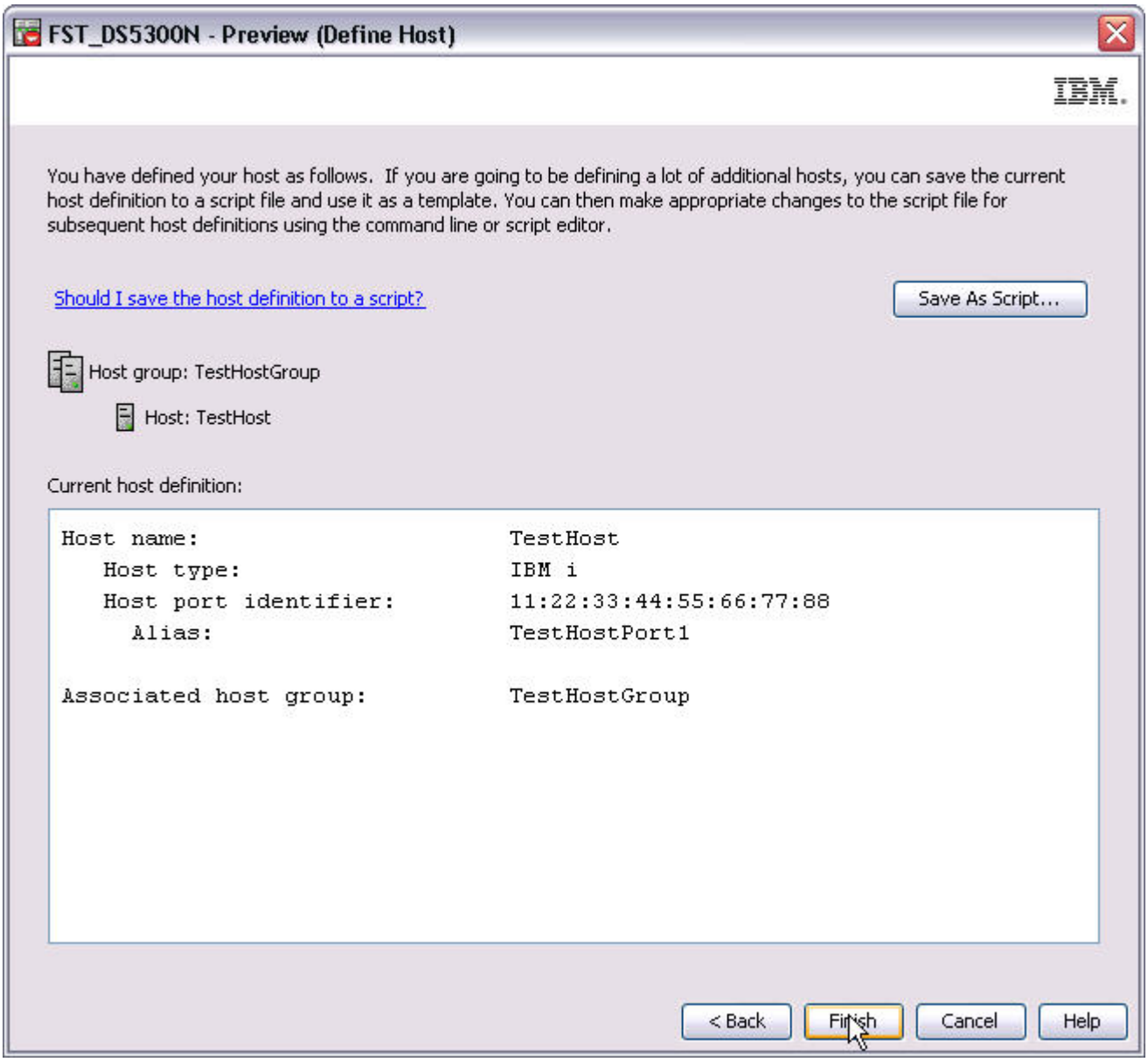


Note: *In advanced setups, a situation may occur where a LUN 0 is assigned to a Host Group/Host Definition that will not allow a Host Type of IBM i. To fix this, remove LUN 0, change OS type to IBM i, and then add the removed LUN.*

IBM i selected from the drop down menu.



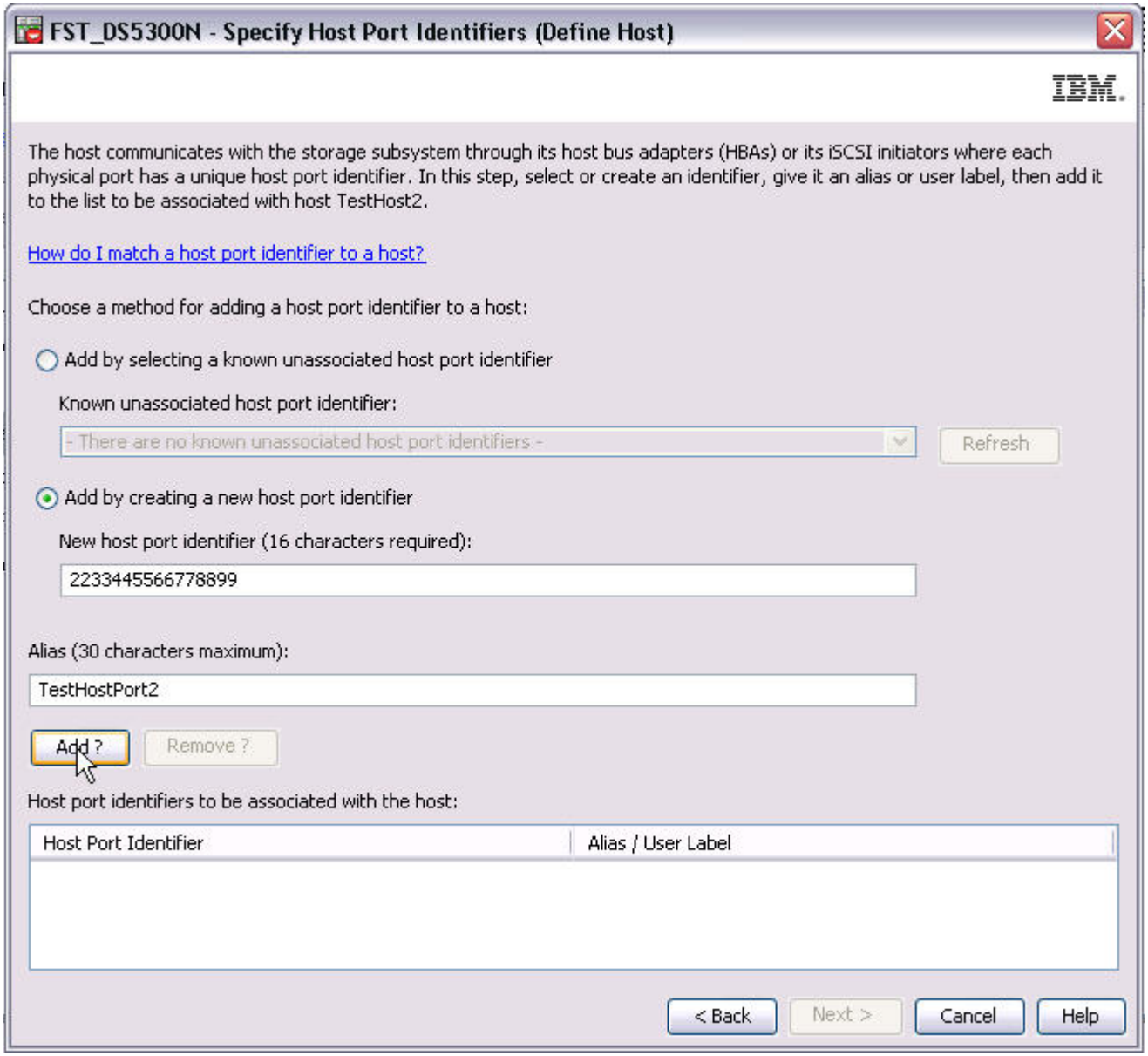
Confirmation screen to add IBM i host.



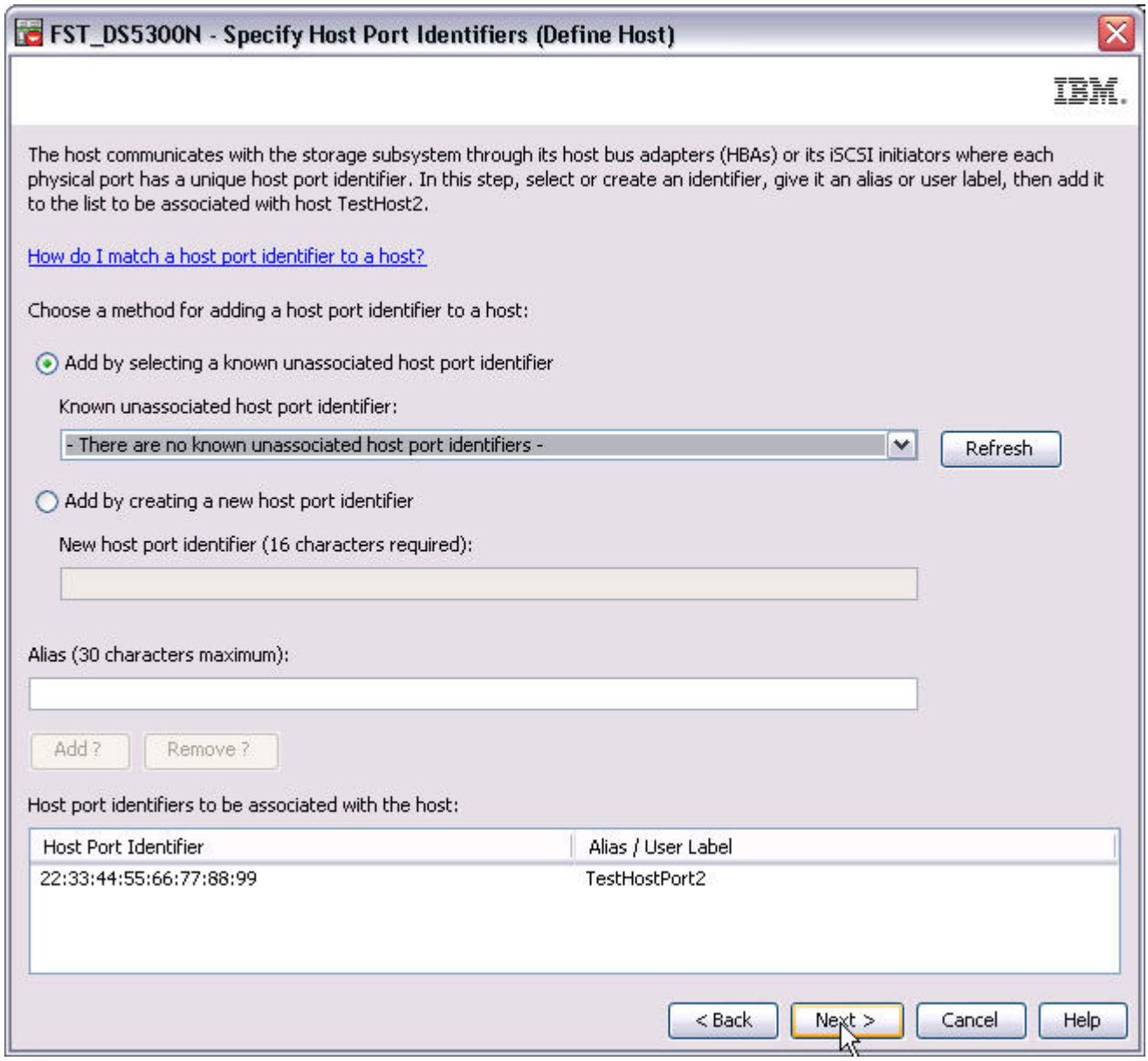
Confirmation message.

Now you will assign the port on your second Fibre adapter.

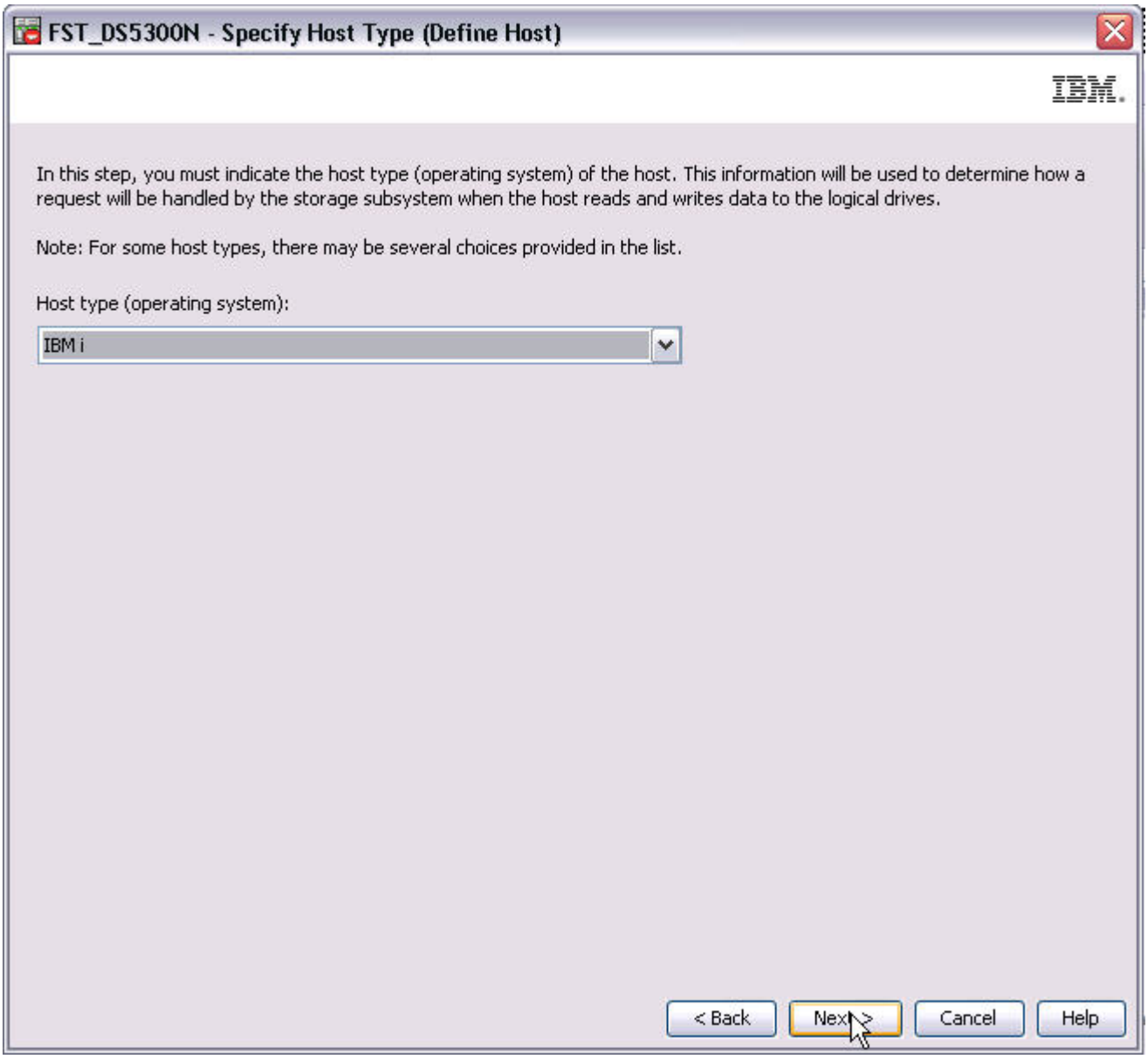
Type host port.



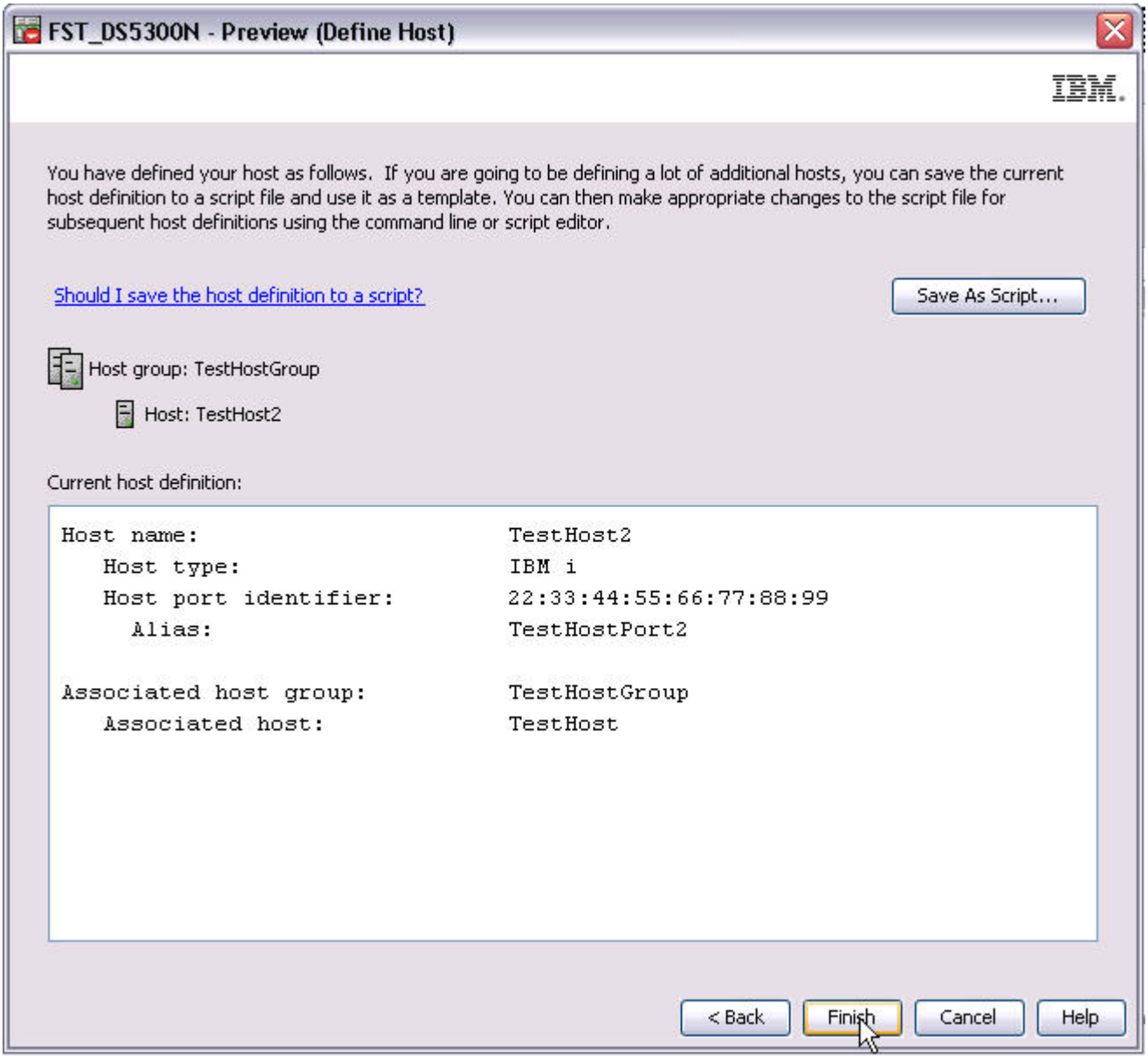
Shows you the results of the host port add.



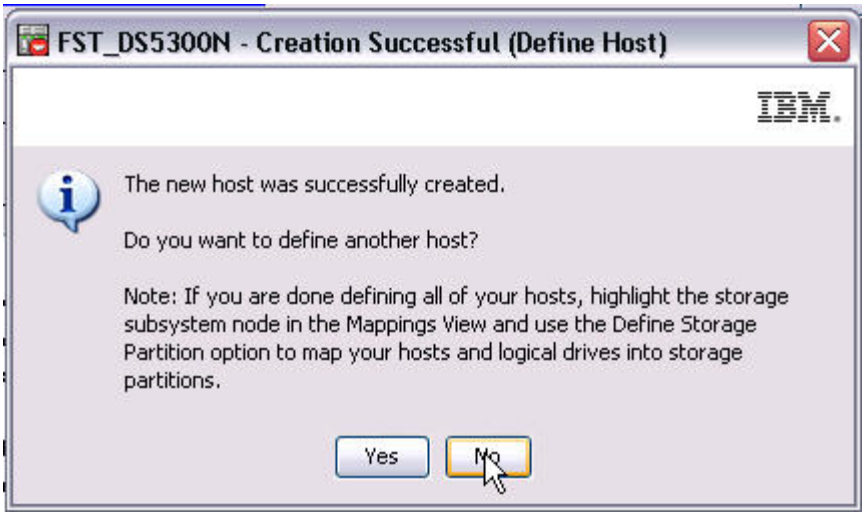
Select IBM i from the drop down menu.



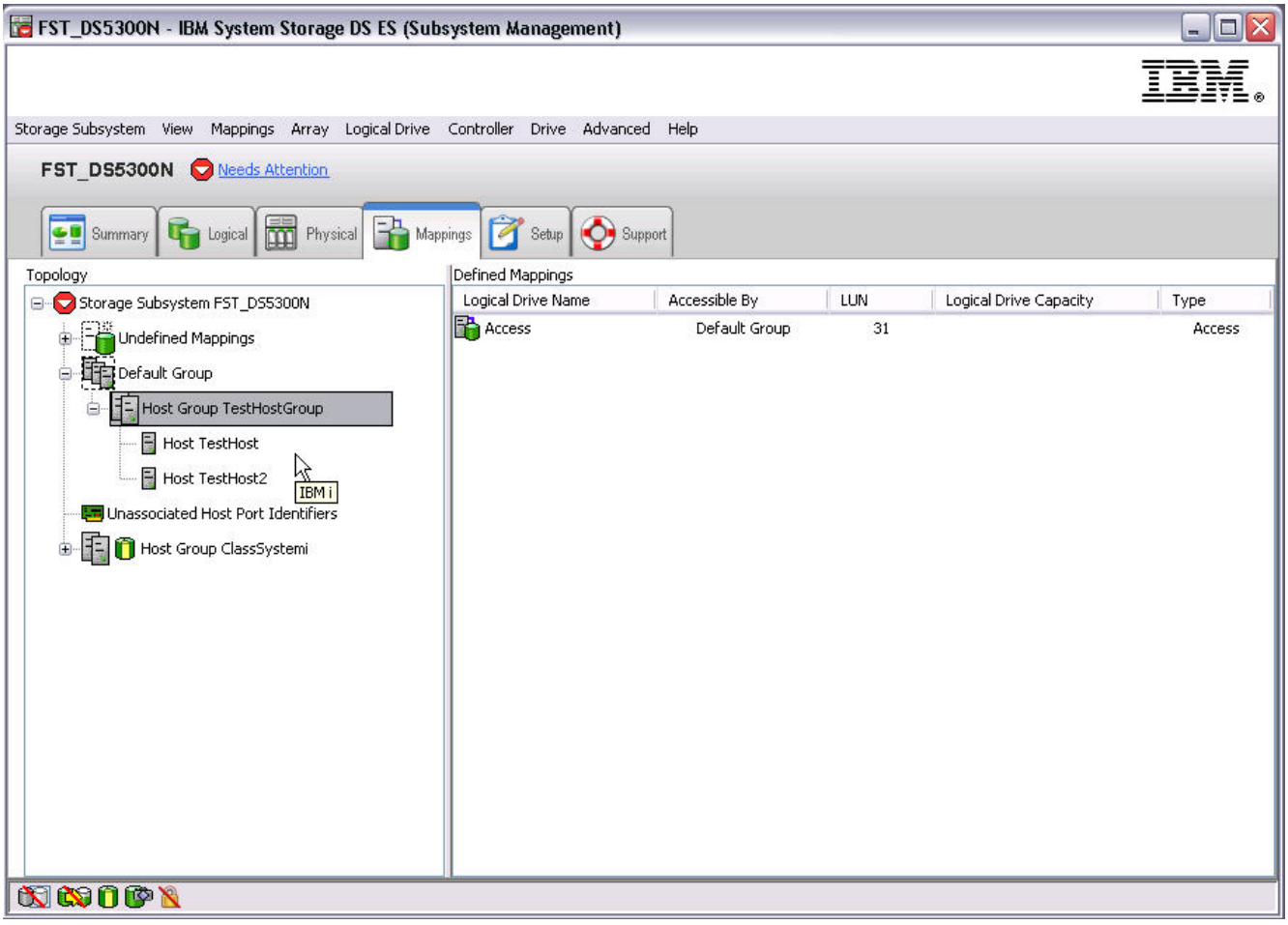
Confirmation screen to add IBM i host.



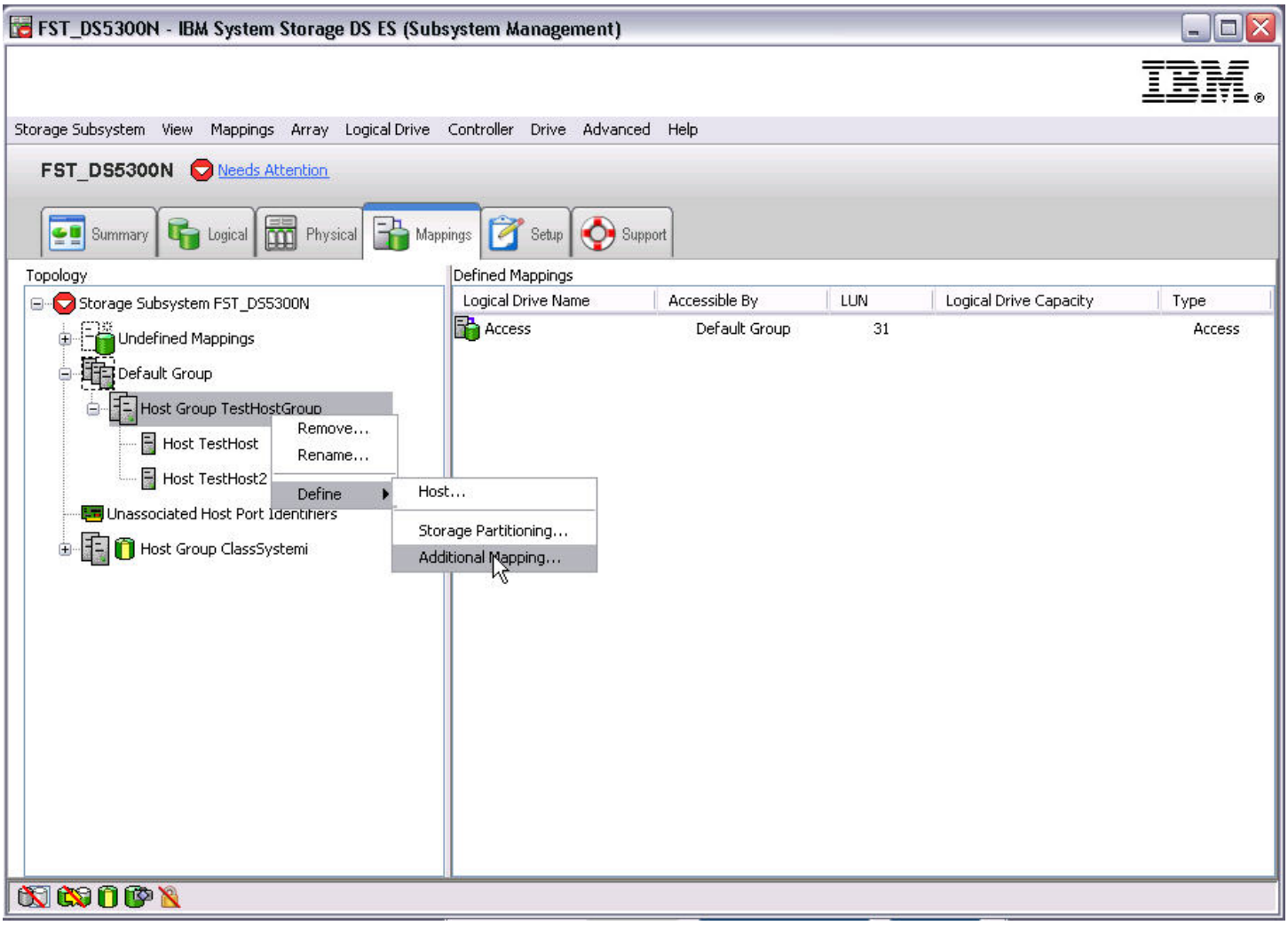
You are finished so select NO.



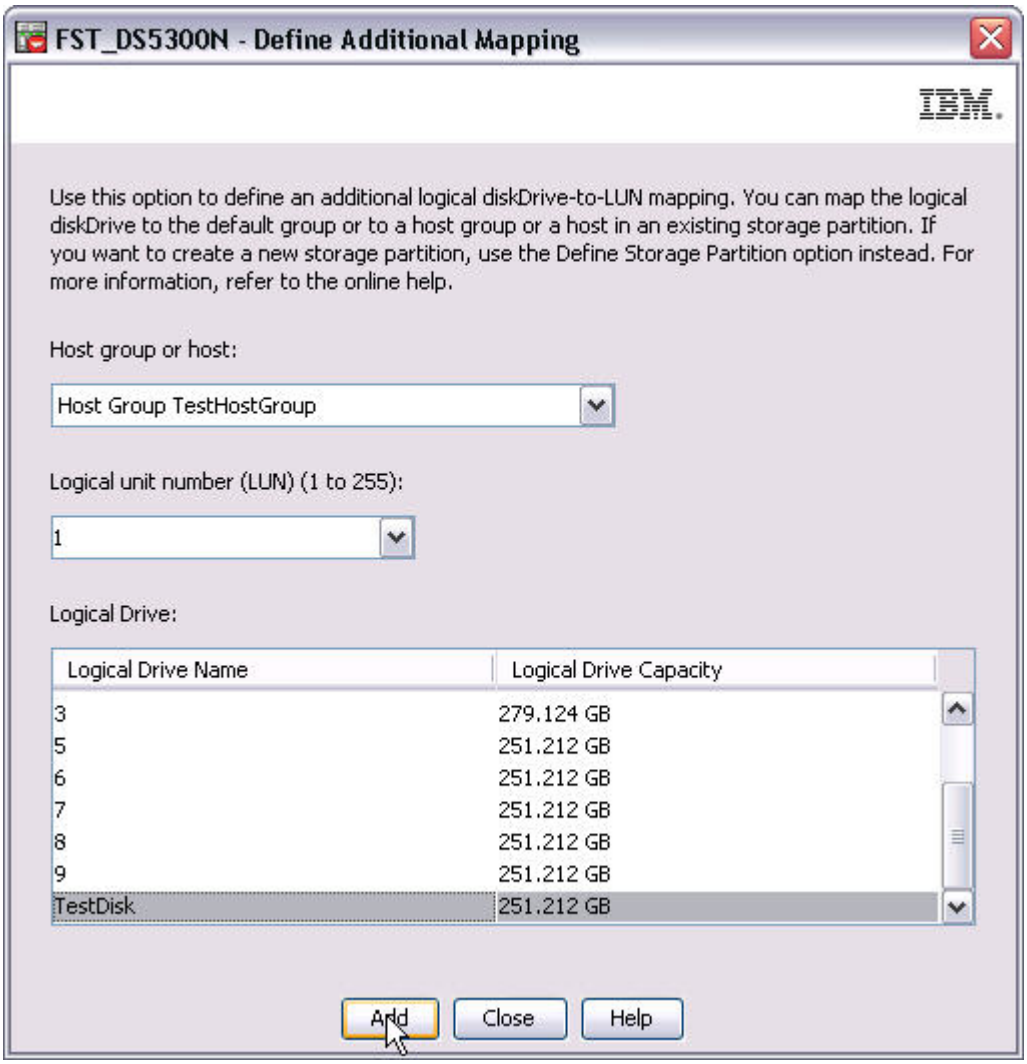
This shows you the results.



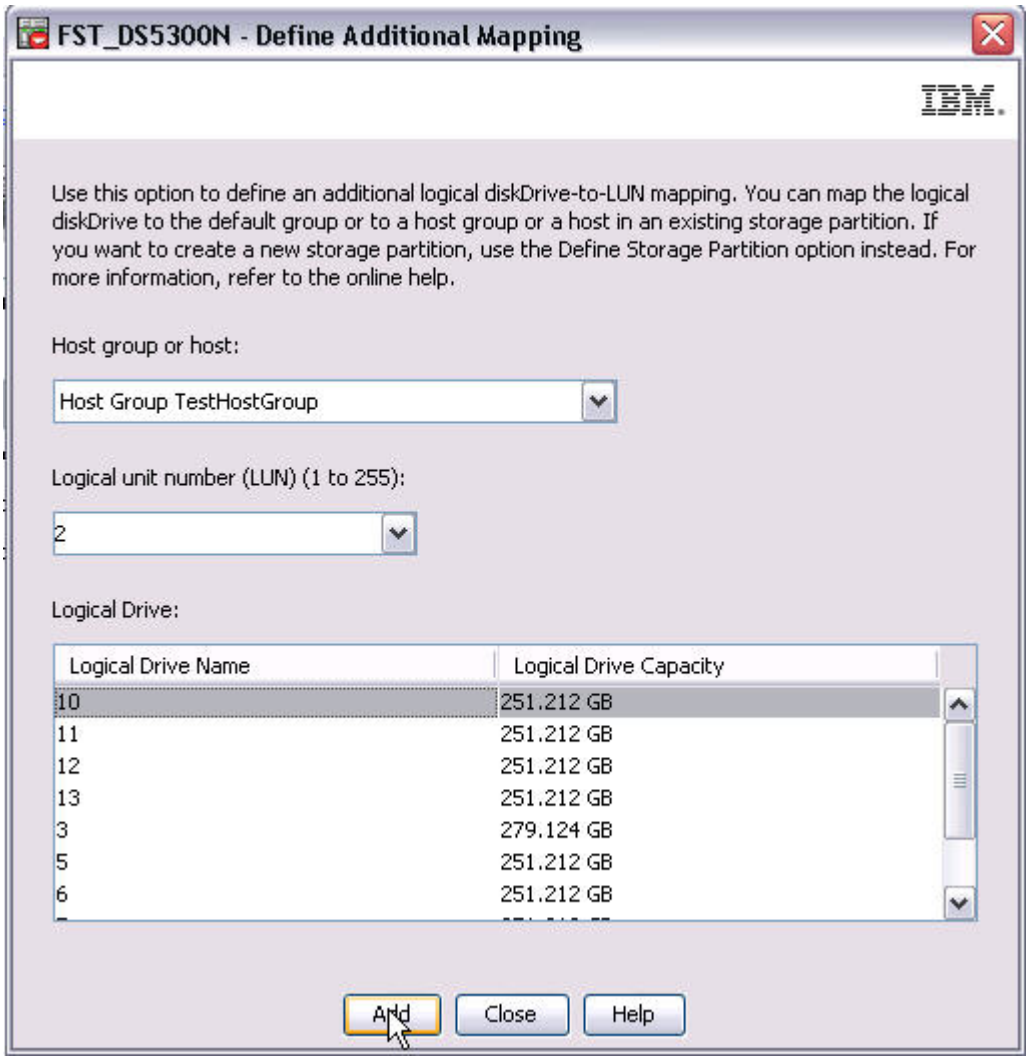
Mapping of the LUNs to the host group or the hosts is done next. In the example to follow, the LUNs get mapped to the host group even though on this page we state hosts.



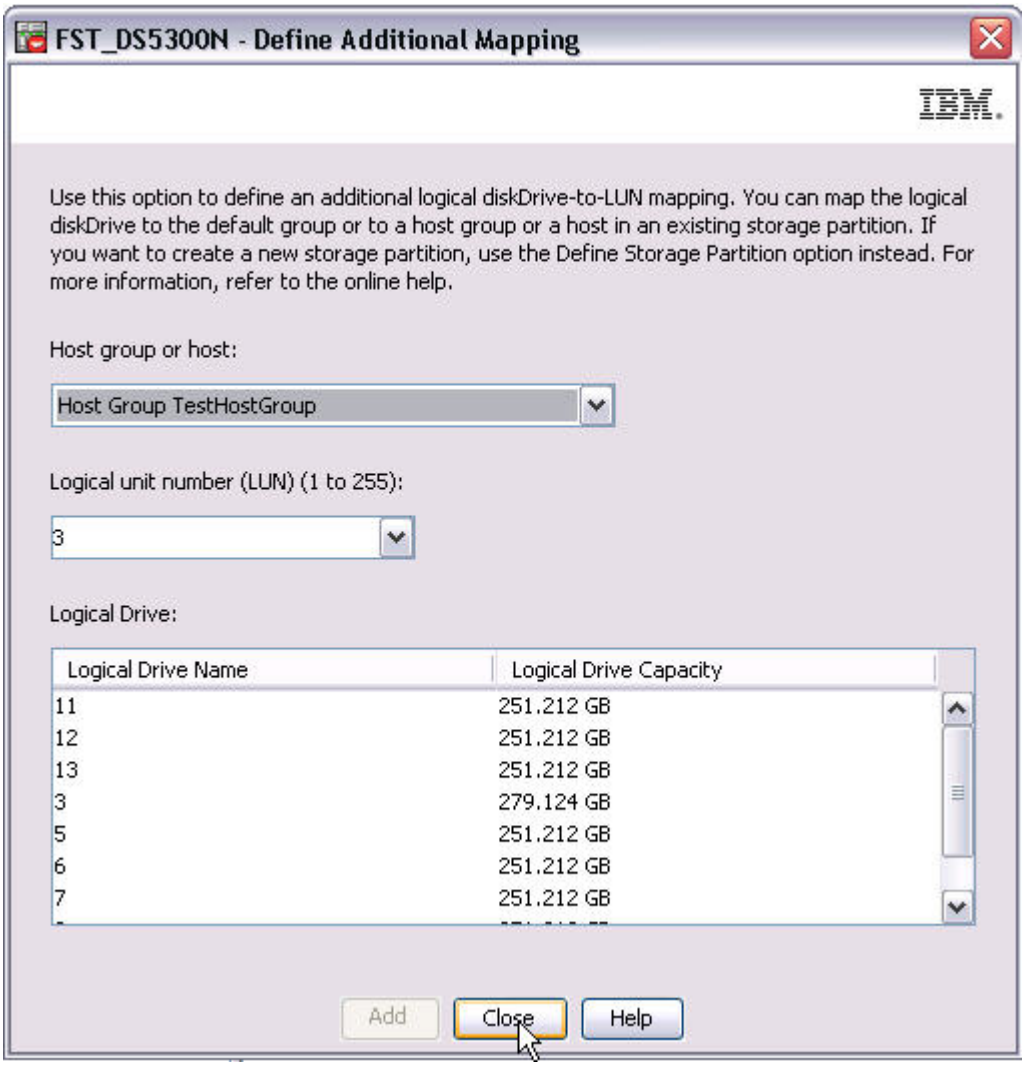
Map the LUN to the host group.



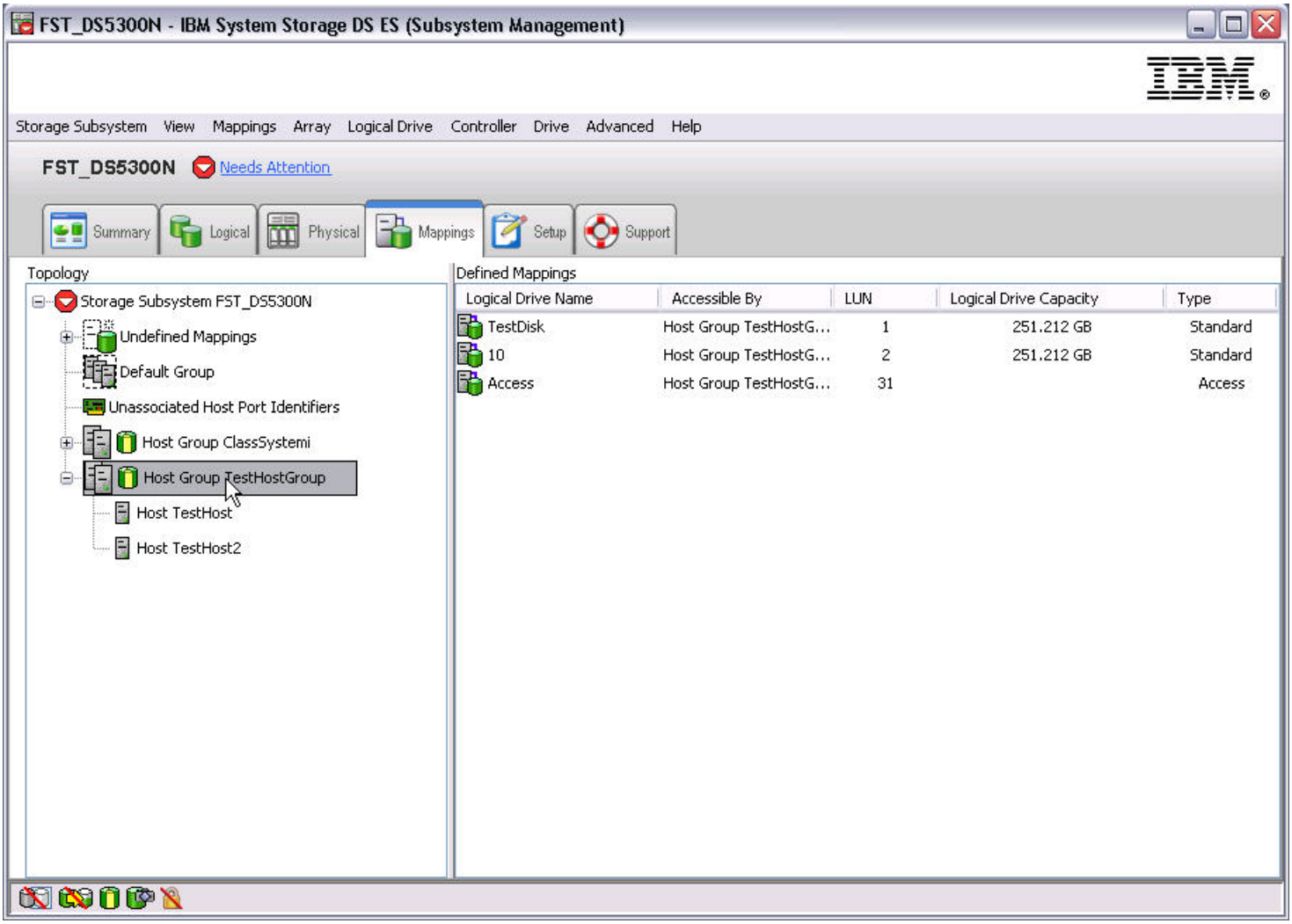
Add all the desired LUNs.



When all LUN's are added, you can close the window.



Shows you your final step in which you have the LUNs mapped to your second logical drive (“10”) and the first logical drive TestDisk.



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