**Blue Waters Petascale Semester Curriculum v1.0**

**Unit 3: Using a Cluster**

**Lesson 4: Copying Code to a Cluster**

**Sample Assessment**

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1. What might be the problem if a file that you transferred from a Windows system to a Linux cluster looks corrupted? What should you try to resolve it?
2. Name three different file transfer methods described in this lesson.
3. What is two factor authentication and why do some clusters require it?
4. What are some SFTP clients that you could use to transfer files from your system to a cluster and back? Hint: Google “SFTP Clients”.
5. When you connect via a SFTP client to a cluster, which side of the screen is your computer and which side of the cluster?
6. What does the SCP terminal command do, and can you write an example of how you could use it for the following three scenarios:
7. Sending files from your *local* computer to a *remote* cluster
8. Sending files from a *remote* cluster to *local* computer
9. Sending files from one *remote* cluster to another *remote* cluster