

convenience question of new scp user

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I've only used scp once and I have a few questions about "convenience features" of scp. The location I'll be at for the next several months has an unreliable dial-up connection and the power goes down frequently.

- 1) If the power fails on my computer when I'm doing a very large file transfer with scp, after a reboot and re-establishment of the ssh session, can scp simply resume the file transfer where it was left off or does it have to start over from the beginning?
- 2) can multiple connections be opened to increase the speed of the scp file transfer?
- 3) would these features depend only on the underlying protocols or technology and not scp itself?
- 4) if not (3), are these types of features not standardized or in the specification? Therefore one implementation of scp could have these features while another implementation does not?
- 5) what underlying protocols does scp rely on?

any information would be helpful