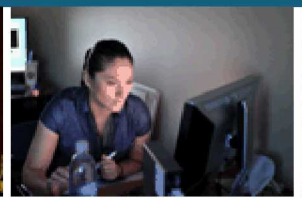
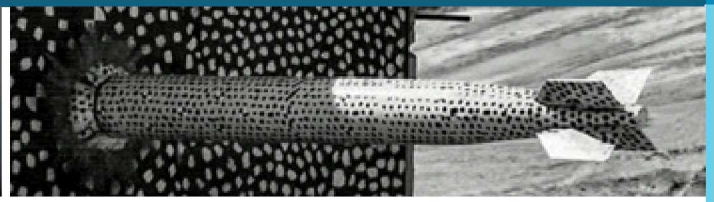
SAND2020-0431PE

PA Cluster access through SRNGATE





Seth King

December 10, 2019

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Main Sandia PA Cluster

The head node for the PA computing cluster is: **santana.sandia.gov**

Santana is a Oracle Sun server running SunOS 5.11

Some codes are ran directly on the head node, some codes are distributed to other nodes by the run control scripts that are launched on the head node (Using Oracle Grid Engine).

Remote connections must go through **srngate.sandia.gov**, then ssh into **santana.sandia.gov**

Srngate will only give terminal access to the cluster, no file transfer or Xwindow tunneling is available.

- Any simple ssh program will work to connect to srngate

jt.sandia.gov is the PA linux test server

Jt is a linux server running CentOS 7.

The Santana home area is mapped to /home1 on Jt.

Solaris has limited python support, so when more advanced python capabilities (numpy, pandas, MySQLdb, etc.) are needed Jt can be utilized.

bto.sandia.gov is the database server.

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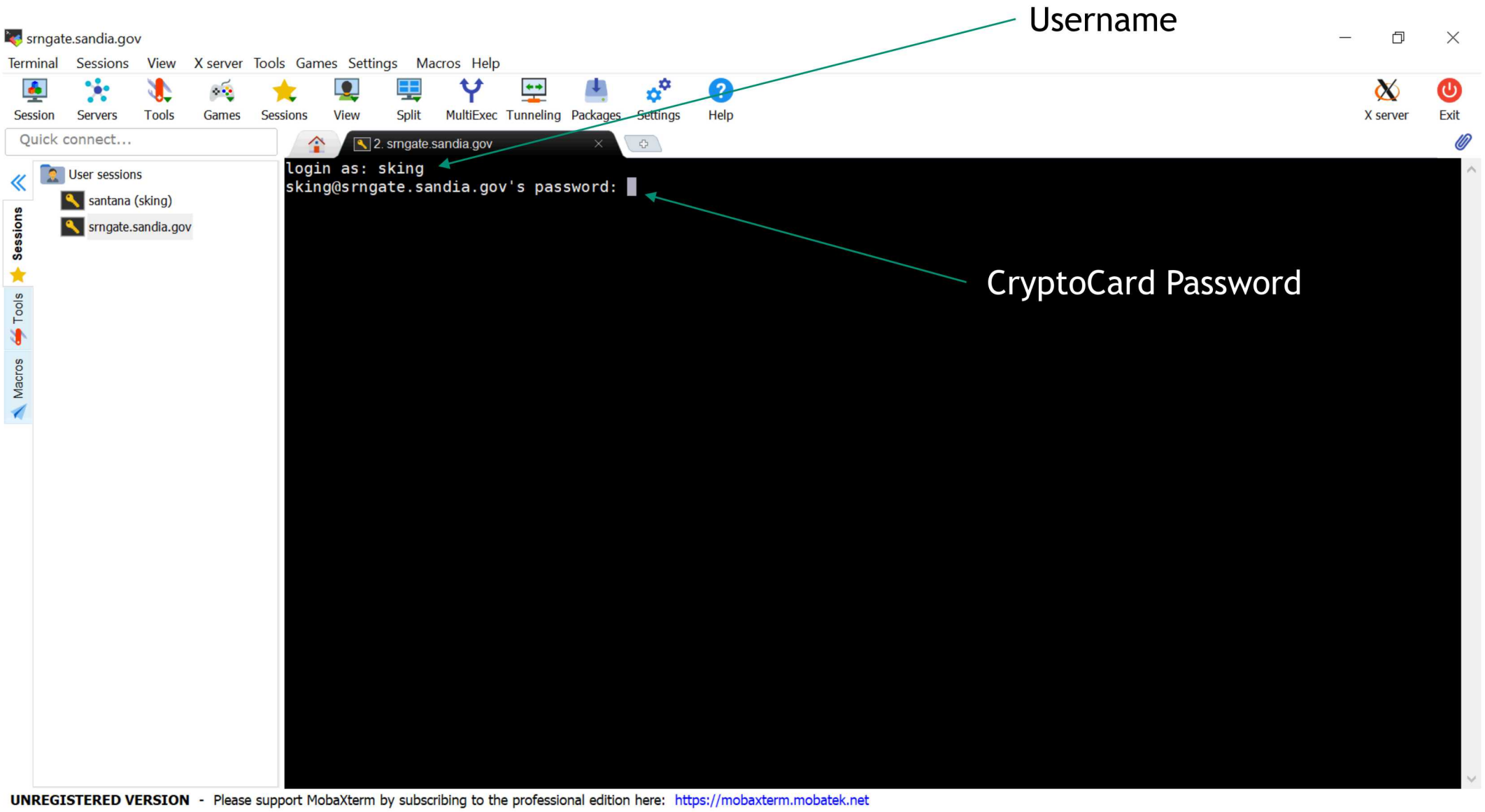
Srngate connection



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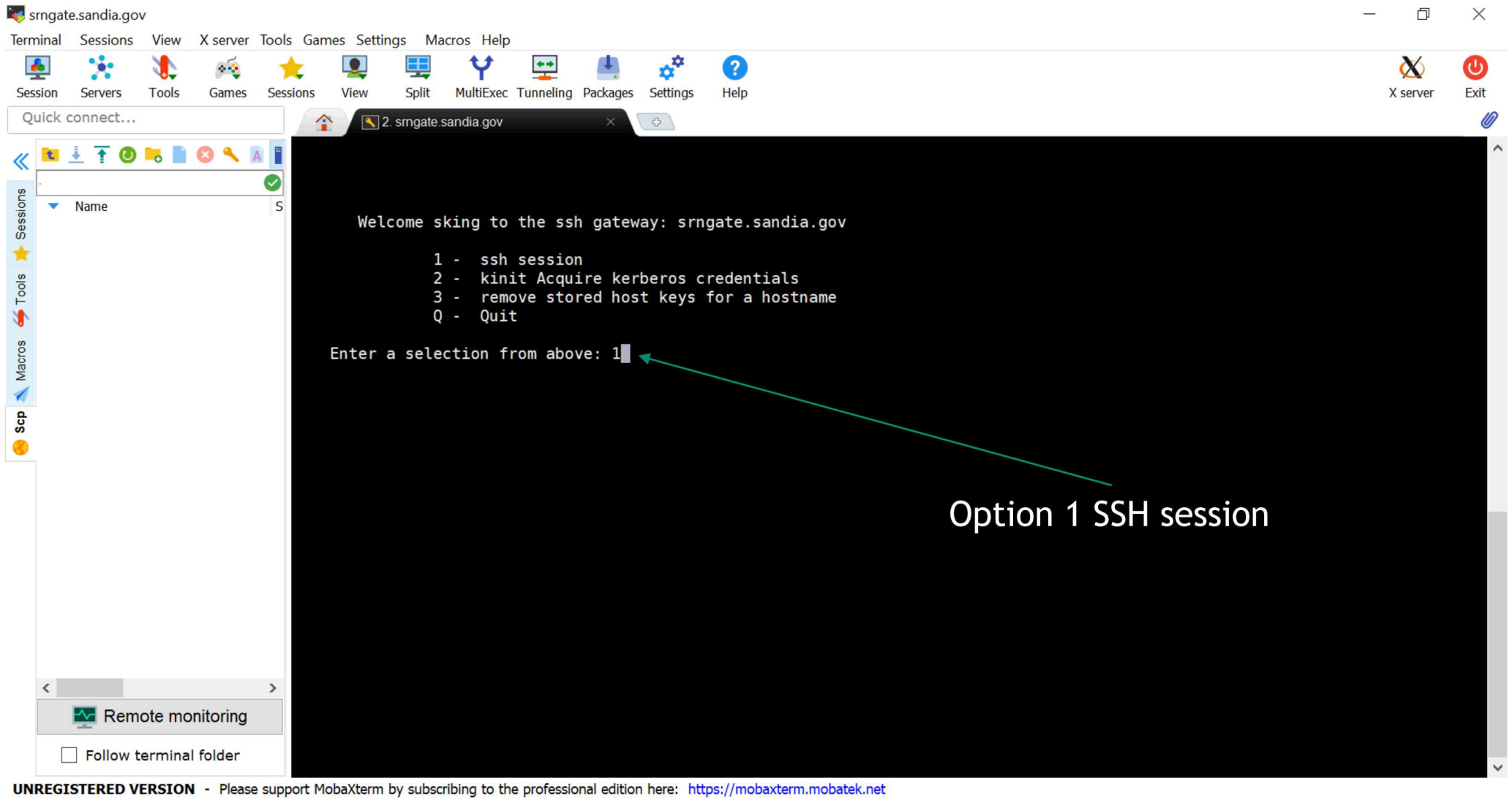

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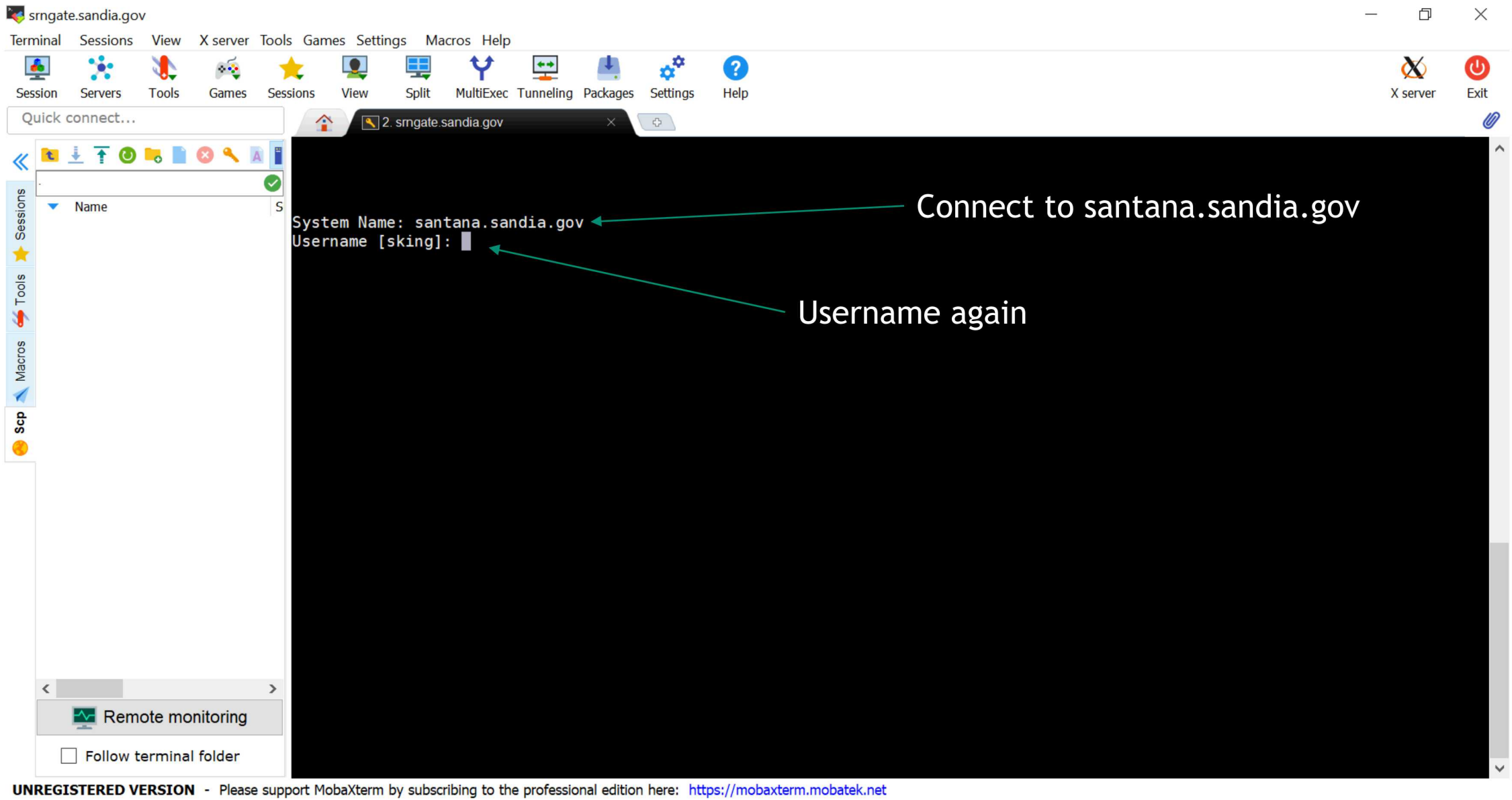

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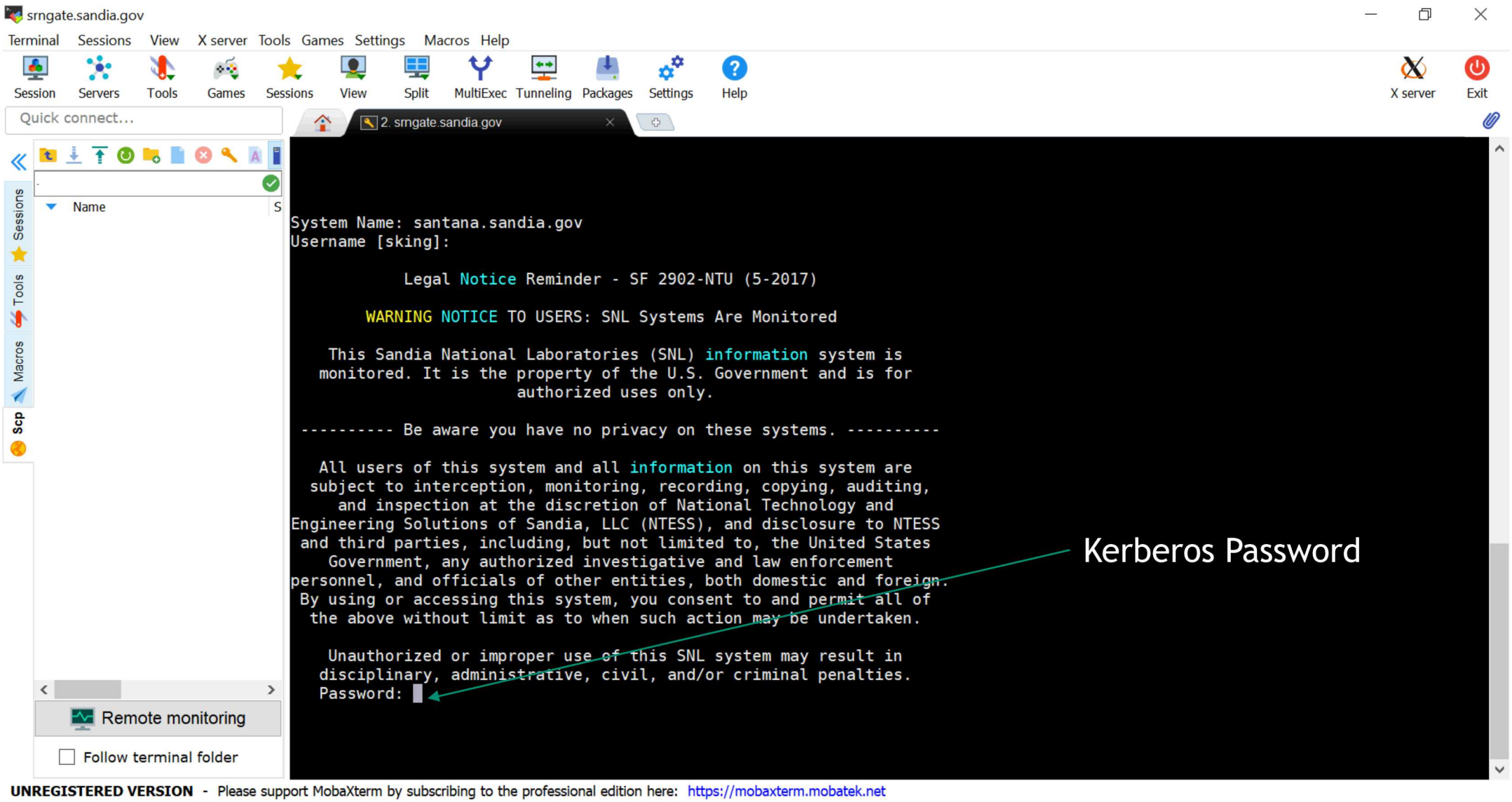
Srngate Connection



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