

Developed by Team NetworkCraft Sean Anderson, Benjamin Hallman

OBJECTIVE & GOAL

Establish a basis for a realistic and accurate networks for research and instructional purposes through the game Minetest.

REQUIREMENTS

- A computer
- **I** The game "Minetest"
 - www.minetest.net
- **University of the second seco**
 - www.tinyurl.com/NetworkCraft



REALISTIC NETWORK MODELING USING MINETEST

DESIGN

Computer



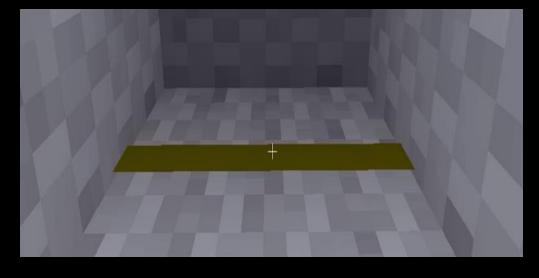
Computers are the basic blocks on the network. They will attempt to send messages between one another.

Switch



Multi-port network bridge that uses the media access control (MAC) addresses of computers to transfer data.

Cable



Hold the messages and other identifying information while they are in transit through the network.

In our final design, two computers are hooked up to the switch through two cables on each side. If we alter the MAC addresses by right-clicking on each computer, we will be able to see the messages within the corresponding computer if the addresses lined up correctly.

FURTHER READING

- Our wiki page can be found at https://tinyurl.com/NetworkCraftWiki
- Minetest Modding Tutorials https://tinyurl.com/MTModBook

FUTURE WC

- Integrate 3D virtual reality technology
- Allow for mass amount of connections with many switches
- Implement checks for accurate MAC addresses

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