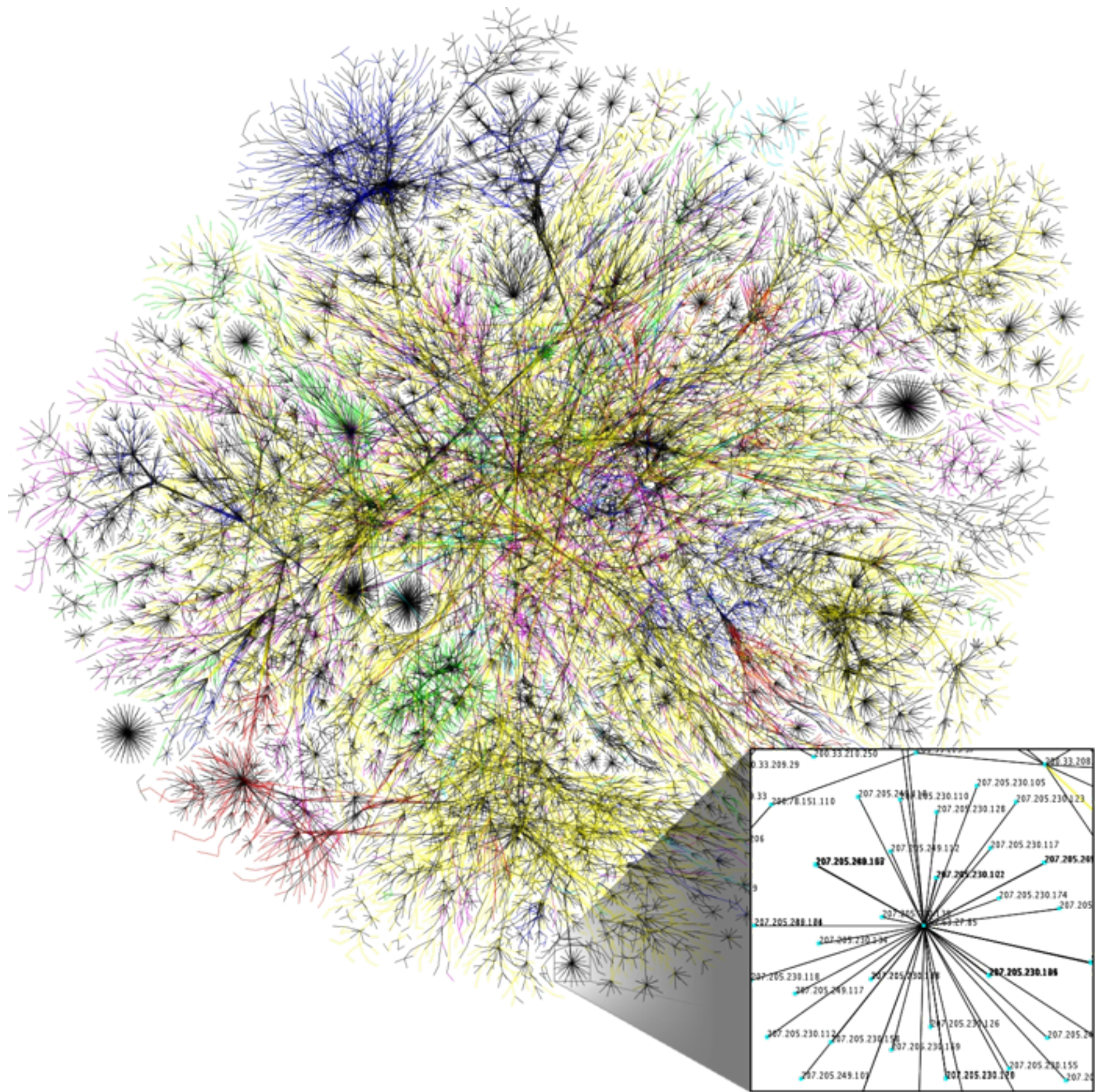


Internet



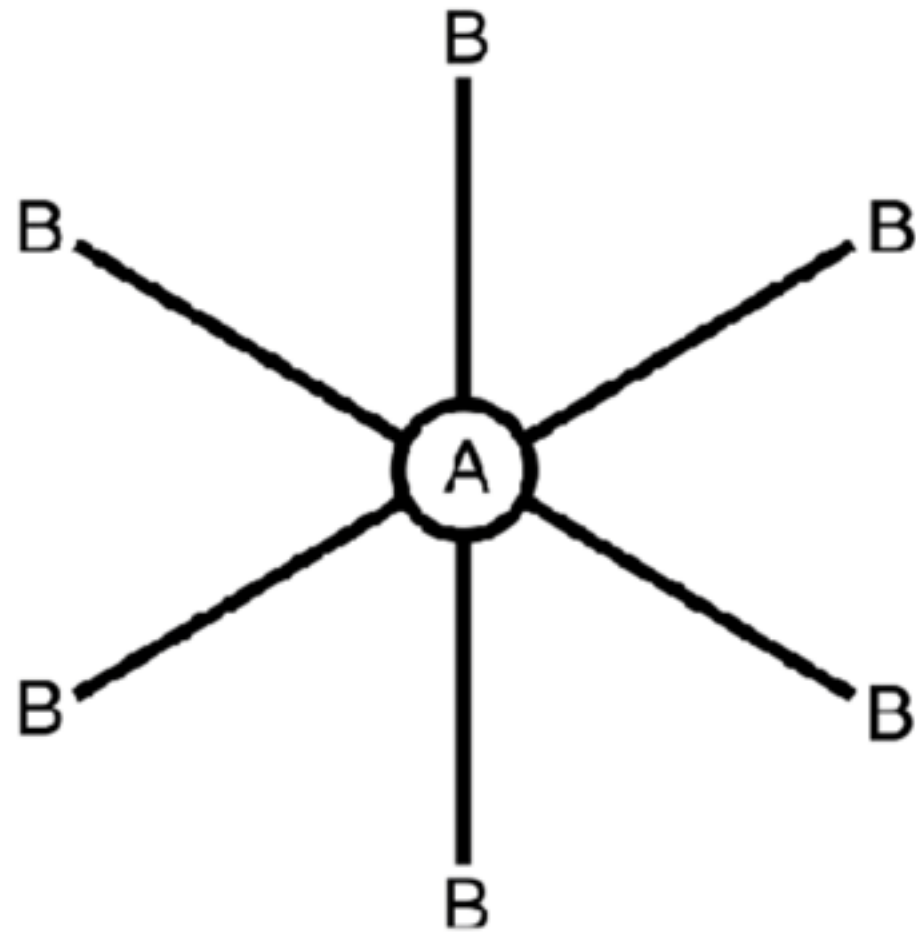


“While many have debated the origins of the Internet, it’s clear that in many ways it was built to withstand nuclear attack. The Net was designed as a solution to the vulnerability of the military’s centralized system of command and control during the late 1950’s and beyond. For, the argument goes, if there are no central command centers, then there can be no central targets and overall damage is reduced.”

Alexander Galloway, *Protocol*

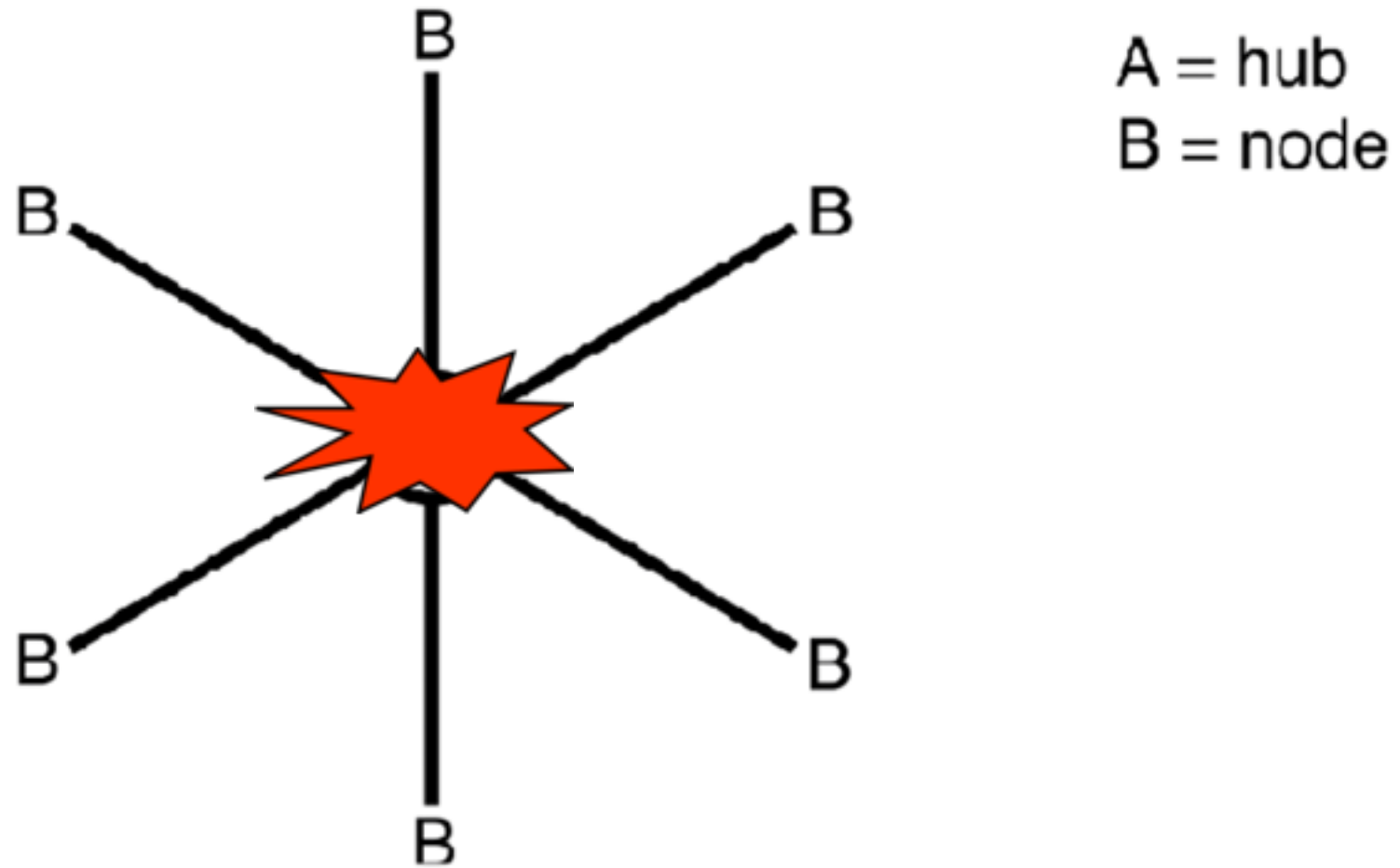


*DARPA: Defense Advanced Research Projects Agency*

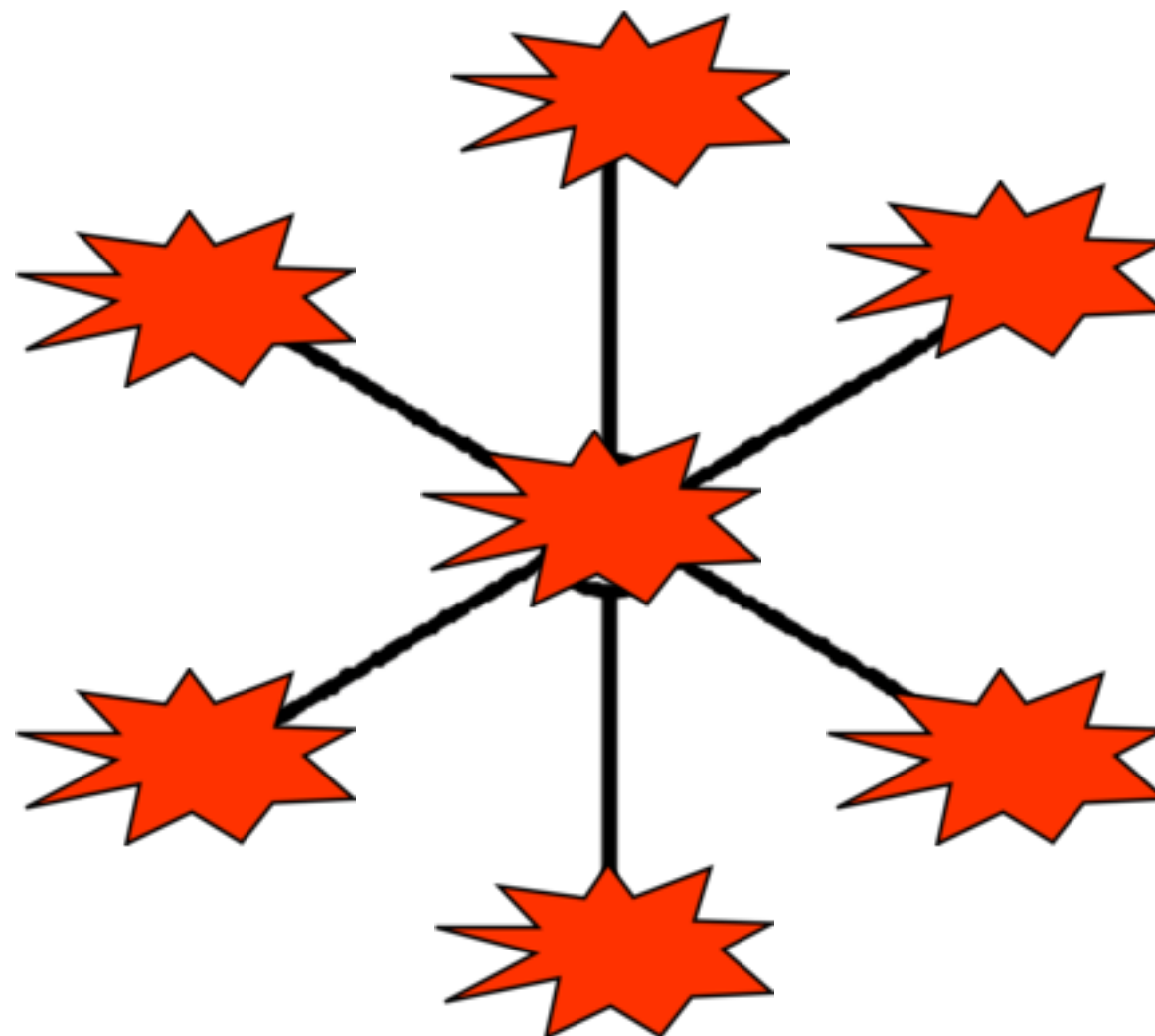


A = hub  
B = node

*Centralized network*

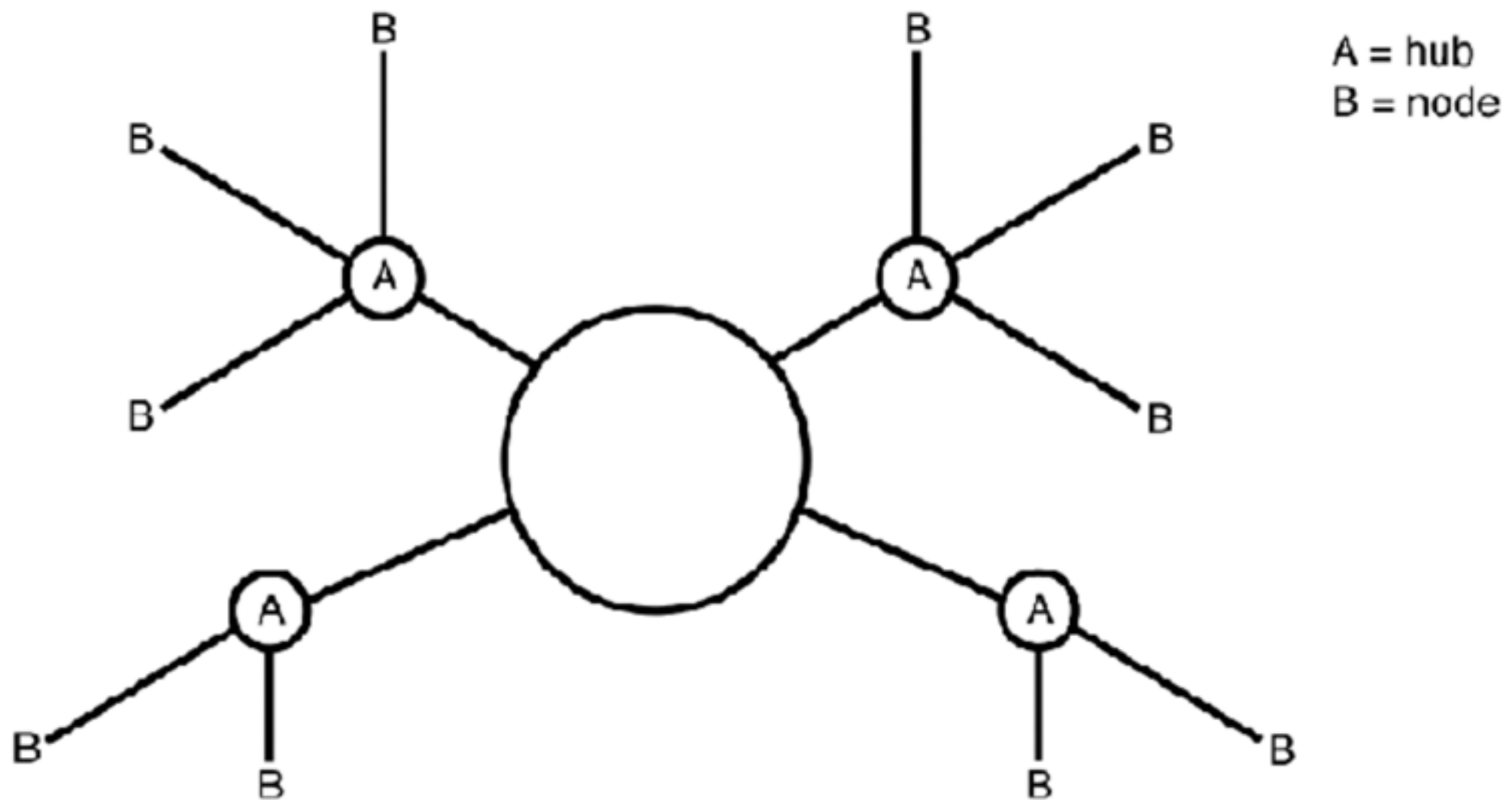


*Centralized network*



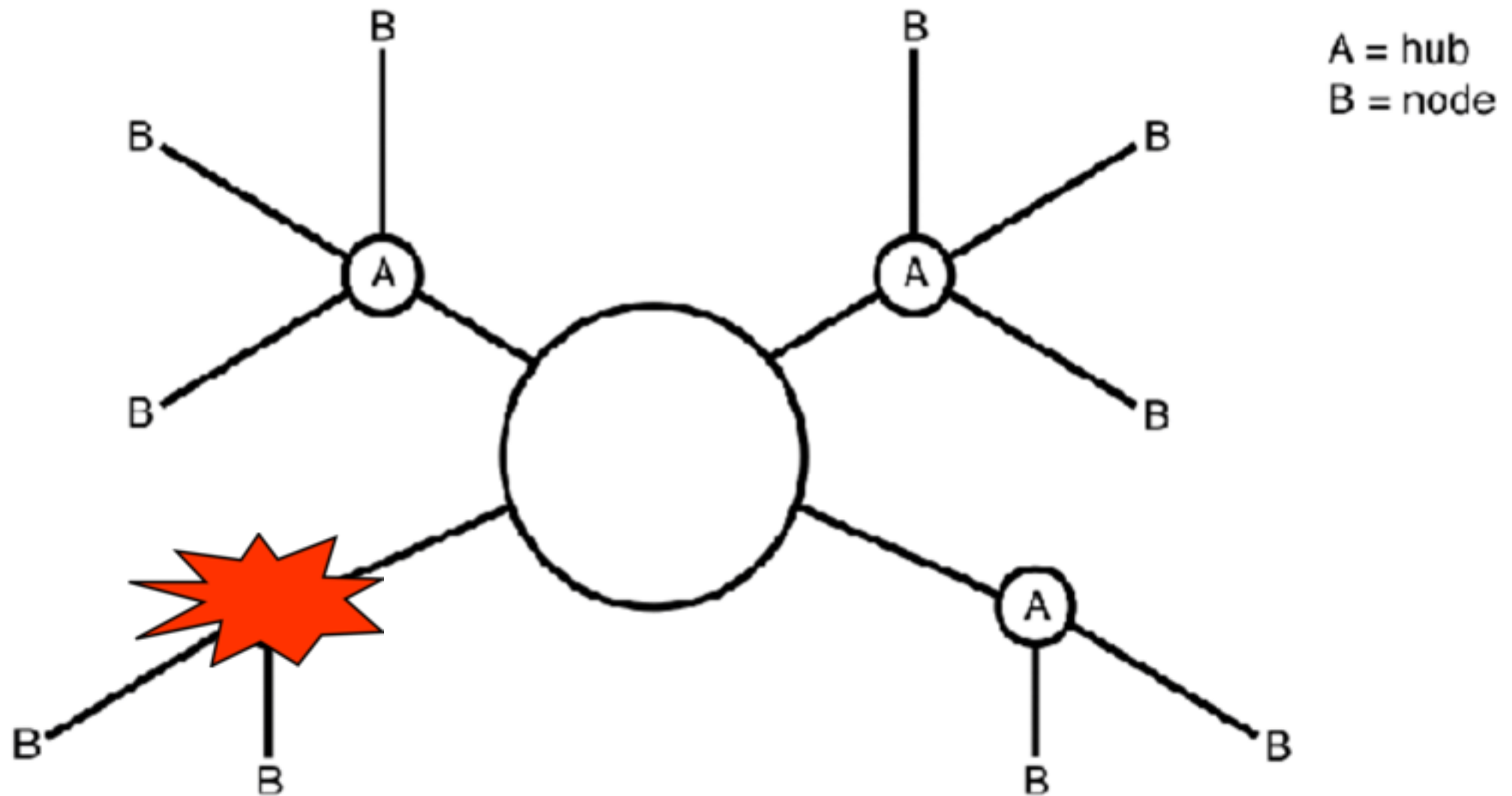
A = hub  
B = node

*Centralized network*

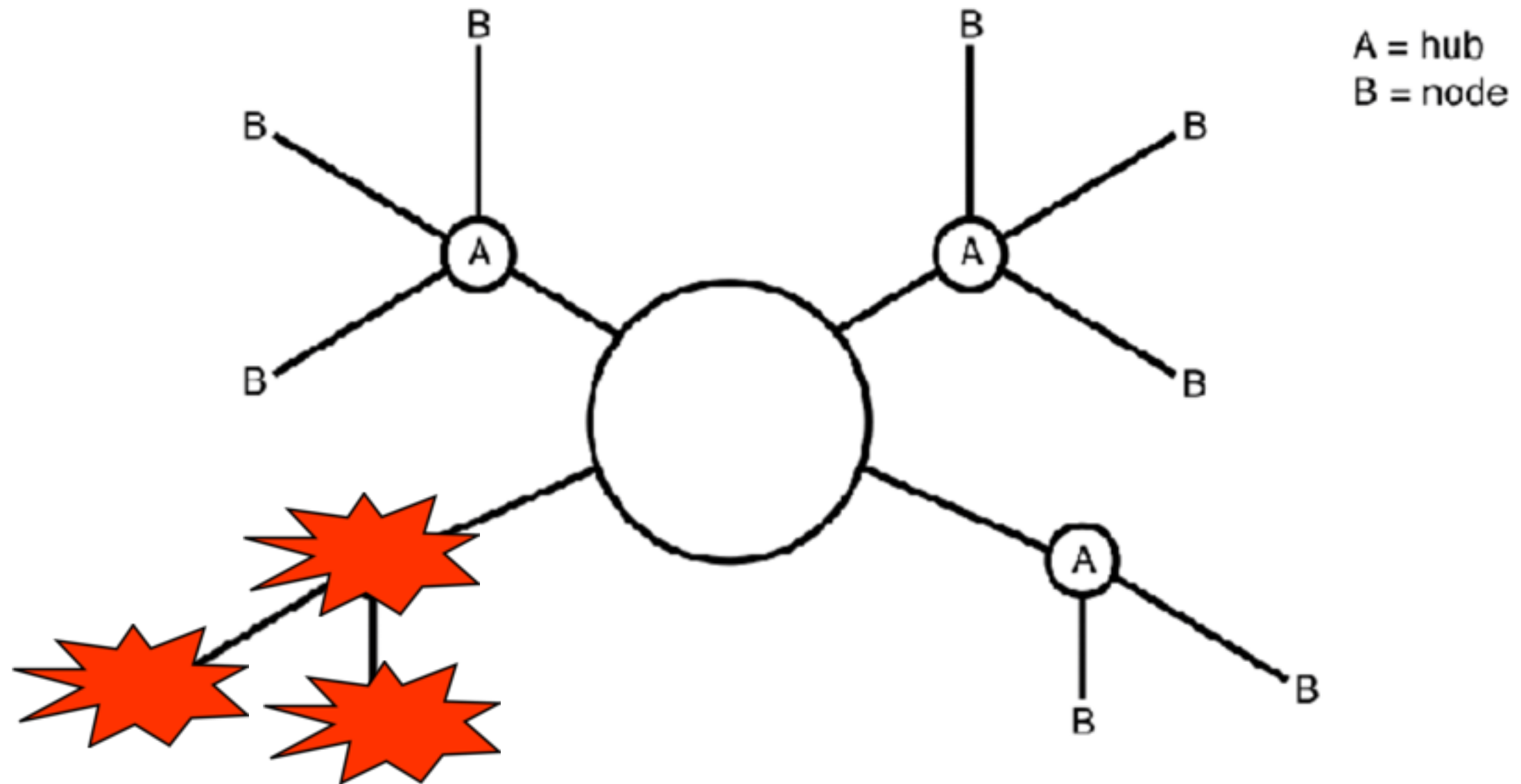


*Decentralized network*





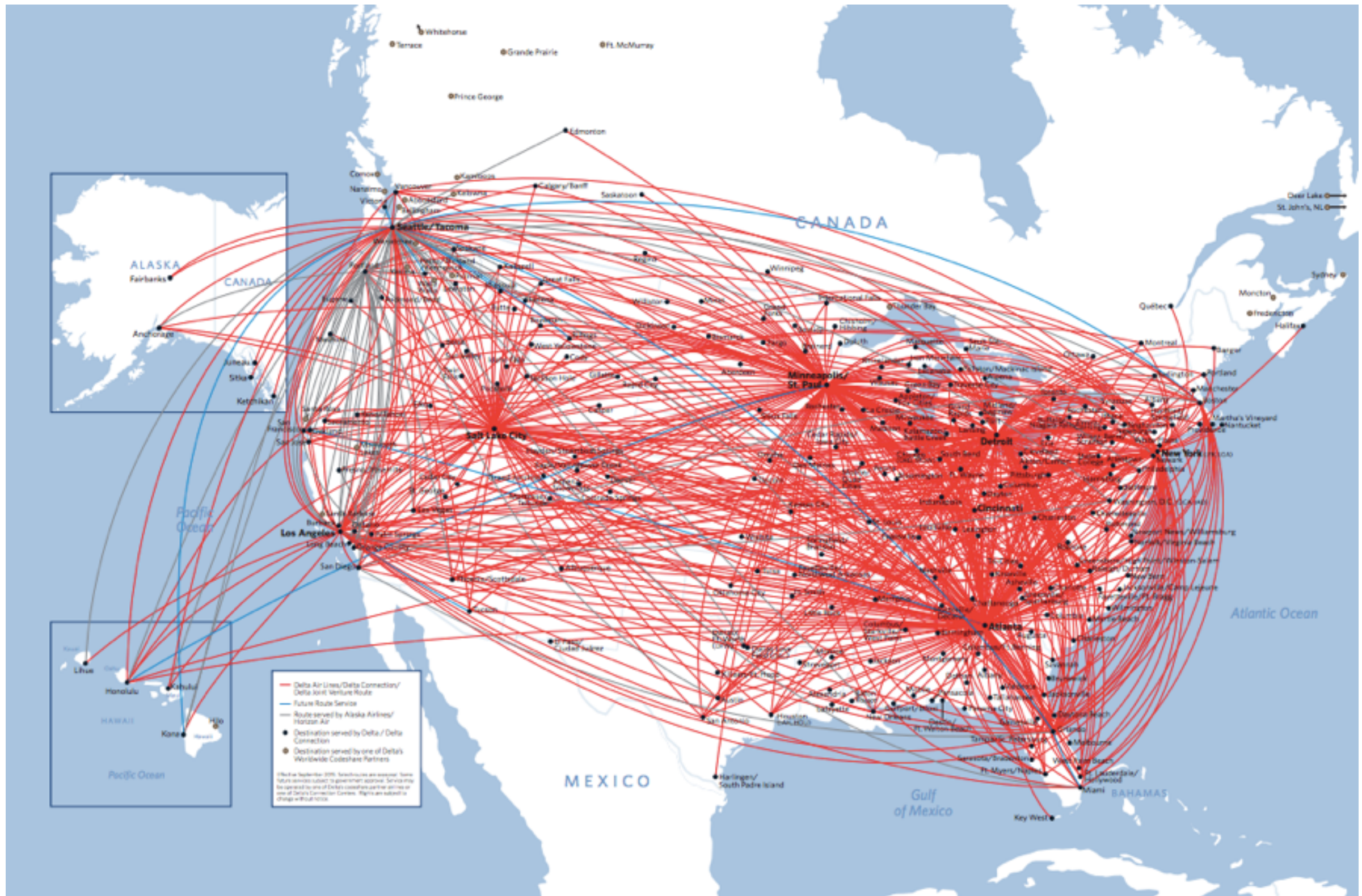
*Decentralized network*



*Decentralized network*







*Real example of decentralized network: air travel routes*





*The ARPANET (an internet precursor) over time*

# Protocol

way in which information is passed from one computer to another

*Email*

*HTTP — hypertext transfer protocol*

*FTP — file transfer protocol*

*IP — internet protocol*

# Tools



Dreamweaver





(Imagination)



(Sketching tool)



InDesign  
(Digital sketching tool)



Sublime Text  
(Code editor)



Github  
(Code repository)



Google Chrome  
(Browser for testing)