



# Anchor Institution Broadband

**Kansas Senate**

**Committee on Utilities**

**Cort Buffington, 17 March 2022**

# Purpose

## Why Am I Here Today?

- Introduction to KanREN
- Anchor institution broadband needs
- Answer your questions

# About KanREN

## The Briefest of all Histories

- **Founded in 1992** by the public universities, community colleges and private colleges & Universities.
- 501(c)(3) public charity. KanREN is a **membership organization**.
- KanREN membership open to most public or non-profit public-service organizations, with **87 member institutions**.
- **KanREN is one of 44 R&E networks** (research and education) in the United States.
- **Not supported by the state or federal government.**

# REGIONAL RESEARCH & EDUCATION NETWORKS IN THE UNITED STATES



## QUILT MEMBERS & AFFILIATES



# The Kansas Broadband Landscape

The **Home** Digital Divide

**TELECOMM**

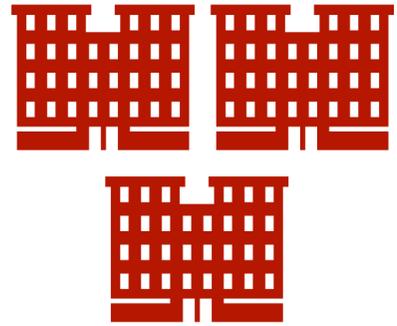
The **Institutional** Digital Divide

**NOT ADDRESSED**

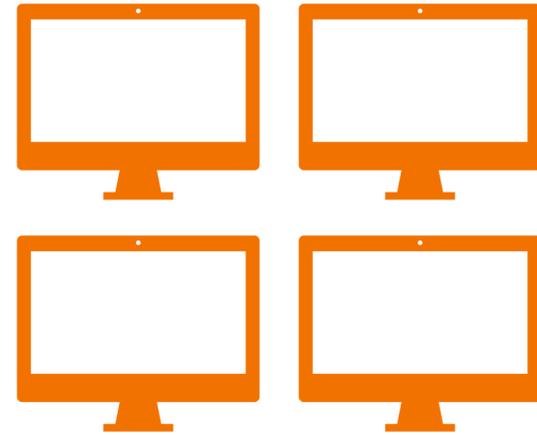
Access and Affordability Mean  
Something Different in the  
Institutional Setting

# Higher Education Ecosystem

A college isn't just a customer in town, it's a whole town.



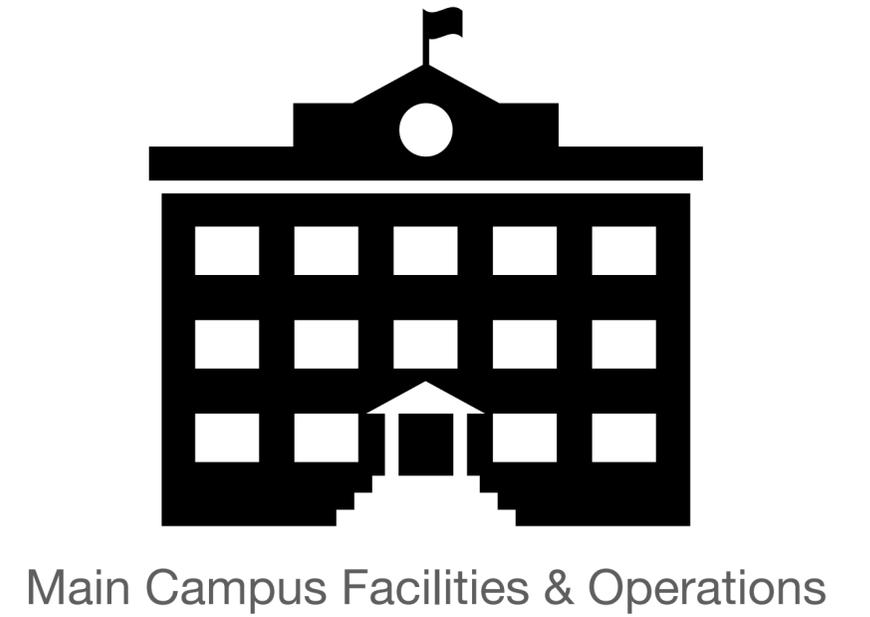
Residence Halls



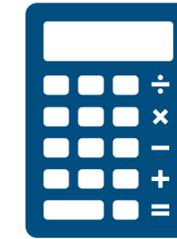
Academic Departments



Online Services



Main Campus Facilities & Operations



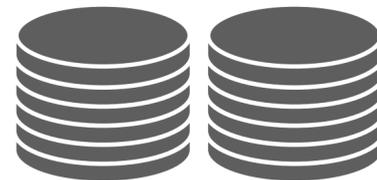
ERP System



Commercial Partnerships



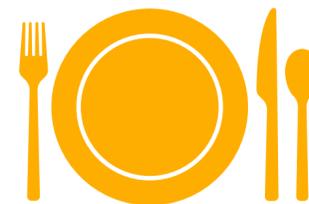
SIS  
(Student Information System)



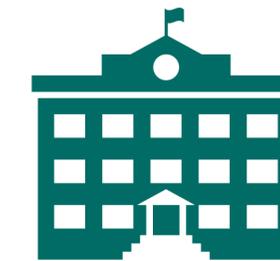
Disaster Recovery, Backup



Healthcare



Related operations  
(often 3rd party)

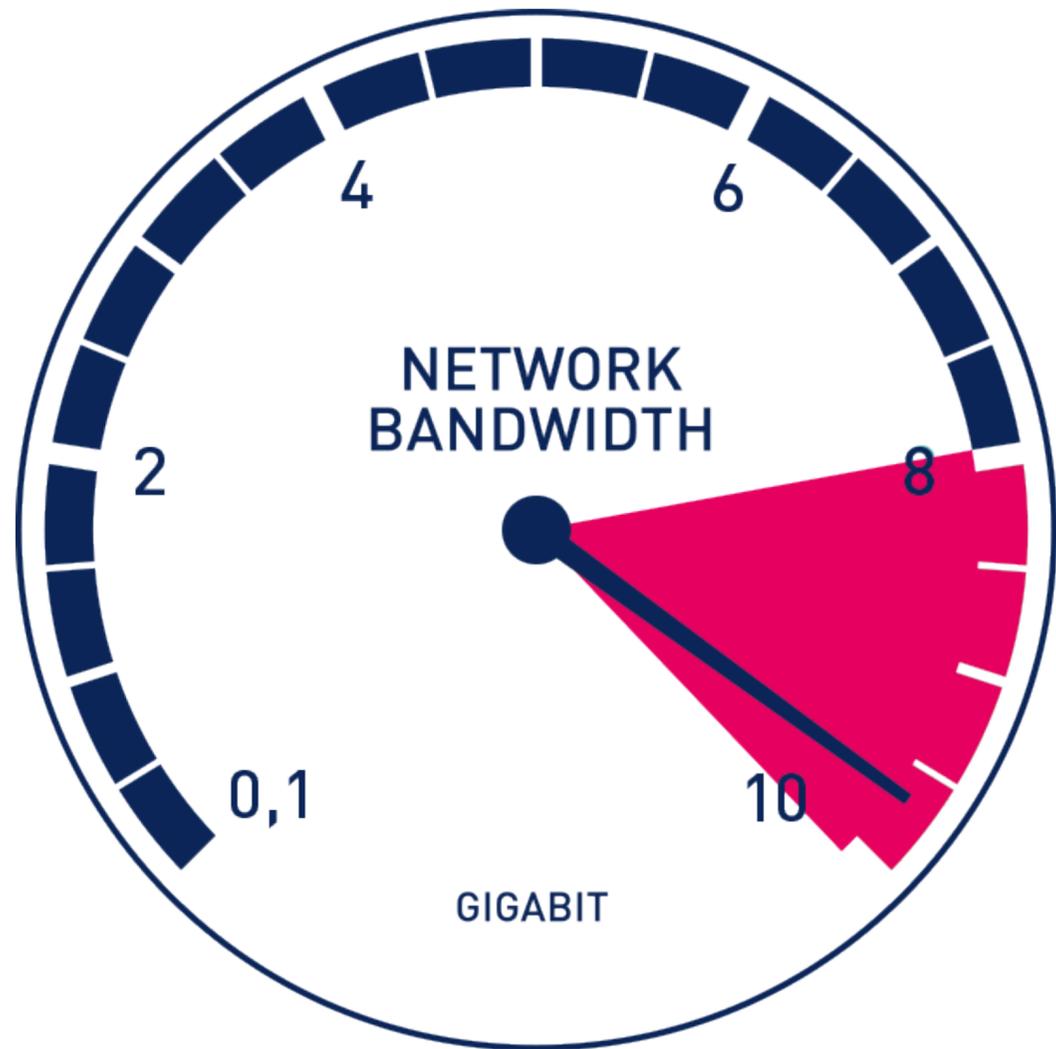


Satelite Campus

# Anchor Institution Broadband Needs

Internet service is only **ONE** service provided with Broadband Infrastructure





**It's not Just  
about  
bits per second  
anymore**

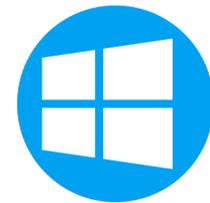
# The New Digital Divide

## One Example: The Cloud (and what is the “cloud” really?)

- Cloud services involve moving something “off premises” and passing the responsibility of some portion of it to a 3rd party:



**Software as a Service (SAAS)** — You use the software, a 3rd party is responsible to keep it operating properly.



**Platform as a Service (PAAS)** — You still operate the software, usually one or more applications, but on an operating system that is managed by a 3rd party.



**Infrastructure as a Service (IAAS)** — A 3rd party operates and maintains the actual computing and/or storage hardware, You get to use that hardware as a service, maintaining the operating system and higher functions.

- “Faster Internet” itself does not successfully enable many of these services

Please ensure the money that Kansas invests in **Broadband Infrastructure** creates both access and affordability for all services built with it, not just Internet service



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