



PO Box 442167  
Lawrence, KS 66044  
785-856-9800  
www.kanren.net  
info@kanren.net

# FISCAL YEAR 2021 RATES

KanREN Service Rates for July 1, 2020 through June 30, 2021

## Membership

Institutions that wish to purchase services, and/or participate in governance and consortium activities must be members of KanREN.

### Membership Fee

All Members: \$504/year

## Network Connectivity Services

*All connectivity services includes comprehensive DDoS attack mitigation and scrubbing at no additional charge.*

Network connectivity service fees are derived from several components. Members purchase network connectivity through one of three different models: One for our anchor members who host and have full, direct access to the KanREN Backbone. Members not colocating a backbone node will use connections through an access circuit or fiber from their location to our backbone. A third, "Prairie Line Express", is a lower cost, simpler alternative to our traditional "Standard Member Connection" model.

Backbone and Standard Connectivity requires an item from each category (*Connection, Infrastructure, Network Support, Internet2/US UCAN and Internet/Network use*). Dedicated Research Support is only applicable to research institutions where KanREN has a direct service relationship with the organization's research community.

### Backbone Colocation Broadband Connectivity

<b>Connectivity</b>	Individual Case Basis
<b>Infrastructure</b>	Individual Case Basis
<b>Network Support</b>	
Single/Primary Node	\$15,000/year
Network Support Redundant Node (75% discount)	\$3,750/year
<b>Internet2/US UCAN</b>	
Internet2 Sustaining Members	\$75,000/year
Internet2 Participation	\$7,500/year
<b>Cyberinfrastructure/HPC Support</b> (only applicable to research institutions)	\$9,996/year

### Standard Broadband Connectivity (formerly Prairie Line Express)

<b>Connection (Access Circuit)</b>	Member supplied/Individual case basis
<b>All-Inclusive Network Service</b>	
1Gbps	\$1,203/mo
2Gbps	\$2,123/mo
3Gbps	\$3,021/mo
5Gbps	\$3,120/mo
10Gbps	\$5,860/mo
<b>Network Support Upgrade</b>	
Upgrade any bandwidth to 24 Hr proactive support	+\$420/mo
<b>Custom Solutions</b>	
On-site routing, multi-port/redundant connections or other bandwidths	Individual Case Basis

## **Metered Broadband Connectivity (Available at 250Mbps and Less)**

<b>Connection (Access Circuit)</b>	Member supplied/Individual case basis
<b>Infrastructure (other/special configurations ICB)</b>	
No Access Circuit 1Gbps	\$142/mo
Up to 1Gbps	\$167/mo
<b>Network Support</b>	
24 Hr Passive (99.9% up-time, 1 hr, 4 hr response - Reactive)	\$180/mo
24 Hr Active (99.9% up-time, 1 hr, 4 hr response - Proactive)	\$600/mo
Additional Locations	50% discount
Redundant Connection (same location)	75% discount
<b>Internet2 Participation</b>	\$65/mo
<b>Network Use Committed Information Rate (CIR)</b>	\$4.50/Mbps/mo
<b>Network Use Burst Information Rate (BIR)</b>	CIR Rate + 20%

## **Network Protection Services**

For members with KanREN's network connectivity services, comprehensive network protection services are also available. Both Unified and Enterprise Threat management include firewall, content filtering, IDS/IDP, site-to-site and on-demand VPNs and more. Contact KanREN for more details about these highly integrated, comprehensive security solutions.

### **Member Network Protection Services**

Unified Threat Management - Enterprise Threat Management	
up to 1.5Gbps	\$386/mo - \$448/mo
up to 2Gbps	\$498/mo - \$588/mo
up to 5Gbps	\$808/mo - \$974/mo
Vulnerability Scanning	\$40/mo
Akamai ETP DNS-Based Threat Protection	\$0.30/Staff FTE/mo*

## **Cloud Networking Services**

Specifically available for members with multiple campuses or attendance centers connected via the KanREN network. Cloud networking allows KanREN members to maintain all of their locations in a single administrative domain, but eliminate backhaul costs over expensive access circuits to a "main location" by combining multiple KanREN broadband connections and a virtual upstream connection in the KanREN Cloud.

<b>Cloud-Based Networking</b>	Individual Case Basis
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## **NET+ Services**

KanREN NET+ Services are services that do not specifically require, but are enhanced by KanREN network connectivity. NET+ services are operated on a cost-recovery basis, and as such may be added during the fiscal year. Please check with KanREN for updates and services that may not be listed here.

### **The StormCellar**

KanREN's near-real-time cloud based storage solution is available in 200GB increments and can be accessed with NFS, SMB/CIFS, AFP or iSCSI. The StormCellar is hosted on the KanREN private network.

<b>StormCellar - File-Based</b>	\$.10/GB/mo
<b>StormCellar - Block-Based</b>	\$.10/GB/mo

## Virtual Machines

KanREN virtual machines are hosted on KanREN's VMware clusters in Kansas City and Wichita. Custom configurations may be available on an individual case basis if sufficient resources exist.

<b>Small</b>	(1VCPU, 1GB VRAM, 40GB storage)	\$25/mo   \$350 one-time
<b>Medium</b>	(1VCPU, 2GB VRAM, 80GB storage)	\$45/mo   \$500 one-time
<b>Large</b>	(2VCPU, 4GB VRAM, 160GB storage)	\$90/mo   \$800 one-time
<b>Additional Storage</b>	(per 40GB)	\$8.50/mo

## Zoom Videoconferencing

KanREN manages state-wide licensing for Zoom videoconferencing, and supplies direct support for Zoom services. Services are hosted in the Zoom cloud, but have enhanced quality and reliability with KanREN network connectivity.

<b>Member Institutions</b>		(Connected   Non-Connected)
Large	(2500 Pro Accounts)	\$459/mo   \$596/mo
Mid-High	(1250 Pro Accounts)	\$334/mo   \$433/mo
Mid-Low	(625 Pro Accounts)	\$250/mo   \$325/mo
Small	(325 Pro Accounts)	\$167/mo   \$217/mo
Extra Small	(150 Pro Accounts)	\$84/mo   \$109/mo
XX-Small	(75 Pro Accounts)	\$42/mo   \$55/mo
XXX-Small	(25 Pro Accounts)	\$25/mo   \$35/mo

## Member Consortiums

Large	(325 Pro Accounts)	\$750/mo
Medium	(150 Pro Accounts)	\$542/mo
Small	(75 Pro Accounts)	\$334/mo

## A La Carte Additional Services

CRC Port (H.323 Interoperability)	\$21/mo
Webinar (500 attendees)	\$60/mo
Zoom Room (room-based endpoint)	\$30/mo
Webinar (Single Event)	\$250/event

## Additional Support Services

<b>Engineering/Design Consulting (Member   Non-member)</b>	\$100/hr   \$200/hr
<b>Connectivity/Performance Troubleshooting   Consulting**</b>	
Business Hours (Member   Non-member)	\$75/hr   \$125/hr
After Hours (Member   Non-member)	\$125/hr   \$200/hr

\* Standard service price for connected members, multiple options available, contact KanREN for a per-institution quote.

\*\*Due to its complex nature, certain high-performance network, high-performance computing or research oriented troubleshooting will be billed at the Engineering/Design rate.

