The Campus Internet is Down

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Cross dependencies...

- Off-campus students can’t access Canvas (hosted in AWS), because authentication requires access to on-campus infrastructure.
- On-campus students can access their authentication servers, but not the cloud-based service.
- Box, Canvas, Zoom, etc.
Perhaps a backup connection to AWS would be good...

- On-campus users would be able to access the campus-based authentication server, as well as Canvas since it’s hosted in AWS
- But….after DNS TTLs started to timeout looking up iu.instructure.com requires the campus DNS resolver to connect to a root server, dot com TLD, and then instructure.com’s server
- Consider implementing a DNS feature known as “serve stale”
Got it: backup connection to AWS and Serve Stale...

- Now on-campus users can access to Canvas, but what about off-campus users?
- Host an instance of your single sign on server in AWS....
- And/or create a load-balancer/proxy within AWS to expose campus servers via AWS’s Internet connection