appliansys

Fixing the Connectivity Problem: Nicaragua MoE

Early results from the CACHEBOX pilot in Colegio Granada

Hands-on Class with 9th-Graders
Date: 7th Nov 2019
Student devices: 36
Cache: **CACHE**BOX**050**
Bandwidth: capped at 2Mbps
Teacher: Mr Margarita Otero
Theme: The Decolonization Process
Resources:
> YouTube video "Decolonization. The end of European Imperialism"
> OKmindmap.com – cloud-based semantic map app

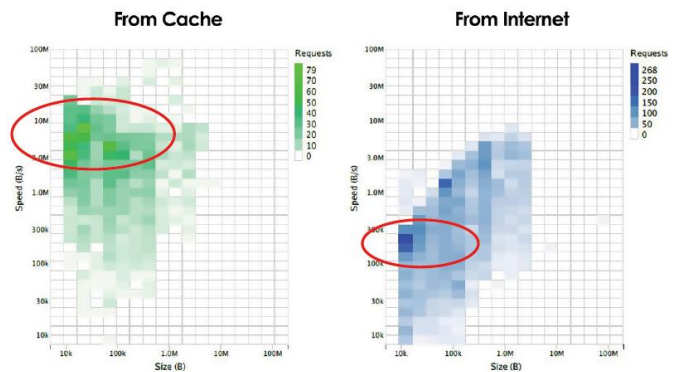Colegio Granada, Director MINEDU, teachers & ApplianSys team

SLOW CONTENT PROBLEM – FIXED!

Average Speed from Internet: **318 KB/s**
Average Speed from **CACHE**BOX: **7.08 MB/s**

AVERAGE CONTENT ACCELERATION:
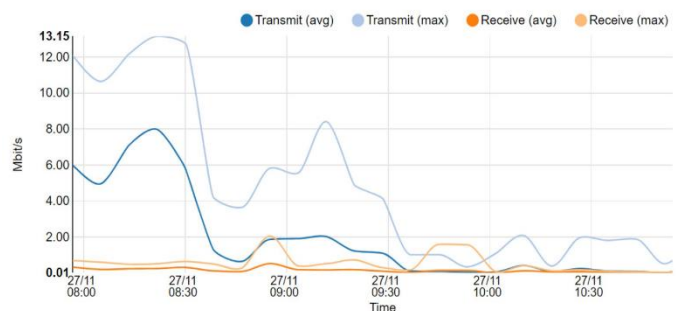   **CACHE**BOX **delivers 22.4x faster!**

INSUFFICIENT BANDWIDTH PROBLEM – FIXED!

Content from internet – less than **2 Mbps**

Content served from **CACHE**BOX – **13.15 Mbps**

BANDWIDTH BOOST: **CACHE**BOX multiplies bandwidth by **616 x!**

> "Today's session was a great success: students had no problem accessing the YouTube video when instructed by the teacher, and equally, everyone was able to access the OKmindmap.com platform and work on it, all at the same time. Access felt fast, and no time was wasted waiting for pages to load!"
> **Ing. María Alejandra Toruño Montes – Technology Teacher**