

Access: The key to equitable education for children

In too many nations, K–12 schools still don't have reliable internet access and ways to support student-directed and cooperative learning models that can transform student lives and spur community development. That's why Dell Technologies developed an edge-enabled way for teachers and students to access world-class content locally whether or not they have connectivity when they need those resources.

1.3+ billion

The number of children ages 3–17 worldwide who are affected by this lack of internet access, limiting their educational potential and adult earning options.

1.1+ million

The number of schools globally that lack reliable internet connectivity.

10,000+

The number of Dell Technologies edge solutions delivered to schools worldwide.

The top challenges that Dell Technologies edge solutions address in remote and underserved schools are:

- **Access to up-to-date subject matter and learning tools.**
- **Difficult environmental issues such as heat, humidity and intermittent power.**
- **Little or no connectivity.**
- **Lack of IT support.**

"With edge solutions like ours from Dell Technologies, we can download content onto the edge server so our teachers and students can access world-class content locally and do so whether or not they have connectivity at the time they need access to those resources."

MARTÍN HERRERA LORIA, DIRECTOR
Escuela Primaria 15 de Mayo Raquel Dzib Cicero, Yucatán, Mexico

The Dell Technologies edge solution for learning includes:

- **Dell Virtual Edge Platform (VEP) hardware**, a compact server with several sizes depending on the number of users and storage needs.
- **VMware hypervisor** that virtualizes Microsoft Windows 10 as the operating system for various educational applications, content and learning management systems, all of which are localized for a particular country when deployed elsewhere in the world.
- **SD-WAN software** that provides multilayered, secure cloud connectivity as well as wireless local area network connectivity across school premises.
- **Dell Latitude laptops** as classroom endpoint devices.

"We've opened a window to the world for our students and teachers with Dell Technologies edge solutions in our classrooms. Nearly 40% of our children lack internet at home, so the possibilities for their advancement by having access are quite exciting."

MARTÍN HERRERA LORIA, DIRECTOR
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Empowering students to reach for the stars

Worldwide, today's K–12 students are tomorrow's leaders. Classroom edge solutions from Dell Technologies are giving those in remote and underserved communities the means to dream big and a better chance at improving their own lives and contributions to their communities.

Read More About Dell Technologies Edge Solutions.

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