

The Edify Automation That Powers Colorado School of Mines' Modern Wireless Experience

Ensuring Accurate PPSK Access for Students through Automated Nightly Data Flows

CHALLENGE

Colorado School of Mines' new Private Pre-Shared Keys (PPSK) wireless network required accurate daily housing data to ensure students received the right Wi-Fi access.

Without automation, staff would have needed to update and manage access manually every morning—a process too fragile and time-intensive to support a modern network.

“Somebody would have had to block out **an hour** of their morning, every morning.

-Sean Petranovich, Director of Institutional Research

The Daily Checklist Before Edify

- Log into StarRez housing system
- Track down move-ins/move-outs
- Manually export and format files
- Upload to SFTP
- Rely on Identity management to issue/revoke PPSKs

SOLUTION



Operational Burden

Before automation, enabling PPSKs would have required Mines to maintain an error-prone, daily workflow.



Automated PPSK Pipeline

Each night, Edify automatically pulls in housing data, transforms it, and updates PPSK access—eliminating the need for daily staff involvement.



Instant, Reliable Access

Because the data refreshes nightly, new residents get instant Wi-Fi access with no delays or ticket issues.

“Edify grabs the StarRez [housing] data every day... machines do this better and more reliably than humans... **nobody has to touch anything now that we have that set.**

-Sean Petranovich, Director of Institutional Research

IMPACT

260

Staff hours saved annually

0

Daily maintenance required



Technology Modernization & Reliability

Nightly automation keeps PPSK access **accurate and up to date**. This automation improves wireless network reliability and **reduces access-related support tickets**.



Improved Student Experience

With automated Wi-Fi credential updates, Mines students **can fully participate in digital coursework, campus systems, and daily online life from the moment they arrive**, reducing frustration and improving their transition to campus.