

Security Design and Scalability Considerations

Michael Padilla
Director of Security
Rio Rancho Public Schools

Paul A. Romero, CETL
Executive Director of Information
Technology
Rio Rancho Public Schools



Problem

Out of the approximately 100,000 K-12 public schools in the US, the average age of the main instructional building is 44 years and 53% need to spend money on repairs.

National Center for Education Statistics Survey

The American Society of Civil Engineers recently gave the US Public School System a D+ on its 2017 Infrastructure Report Card.

[2017 Infrastructure Report Card.](#)



Need

School districts, more than ever face a growing responsibility to guard against acts of violence and terrorism that have put schools into the national spotlight.



RAPTOR[®]
TECHNOLOGIES
THE **GOLD STANDARD** IN SCHOOL SAFETY



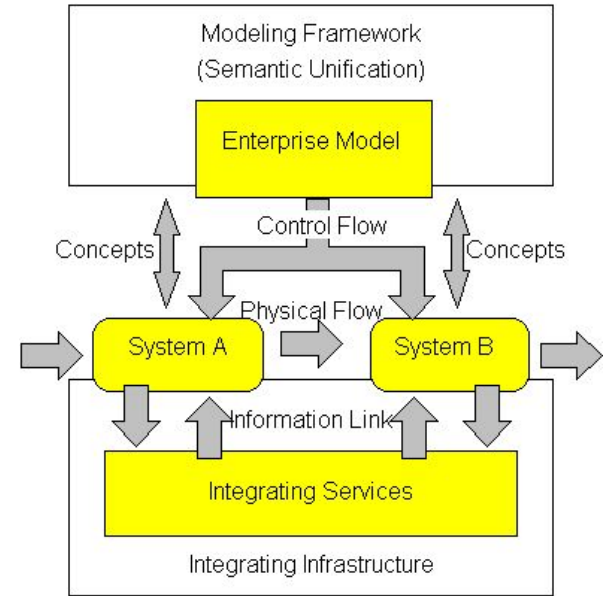
Planning

- Think with the end in mind...
- Design considerations
- Scalability
- STORAGE, drop counts, cabling
- Partnerships and integration of systems

Simply said, if planned correctly, you could (and should) leverage the same infrastructure that you are using for teaching and learning in the classroom to build out your security/safety systems.

Planning

- Integrated systems
 - Intercom
 - E911/Phones
 - Wireless
 - Smart entry
- Infrastructure
 - Cameras and camera types
 - Network capacity
- Two main considerations - Existing Network(s) and People
 - Good vendor/reputation/certifications
 - Employees - retired military/police/technical knowledge



Use what you have...

Simply said, if planned correctly, you could (and should) leverage the same infrastructure that you are using for teaching and learning in the classroom to build out your security/safety systems.



Use what you have...

Simply said, if planned correctly, you could (and should) leverage the same infrastructure that you are using for teaching and learning in the classroom to build out your security/safety systems. You will not, necessarily have to build your system from scratch.