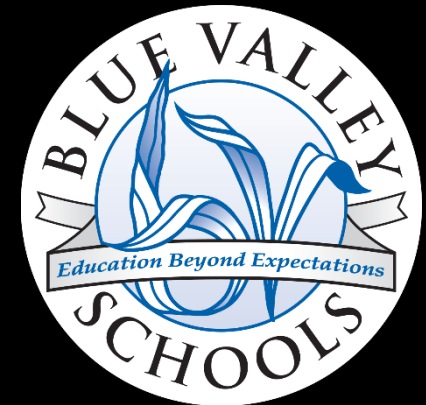


Information Security @ Blue Valley Schools

FEBRUARY 2015



Student Data Privacy & Security

Blue Valley is committed to providing an education beyond expectations to each of our students. To support that mission we employ a variety of technology systems to enhance and support that student's education. We take the stewardship of student information in those technological systems very seriously. We have implemented a expansive system of security controls and systems to protect and keep private the student information entrusted to Blue Valley.



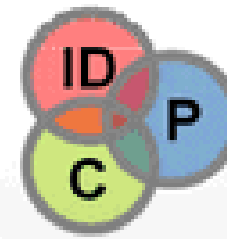
The objective of an information security program is to establish a continuous, iteratively improving regimen of planning, building and running security solutions that are aligned to organizational requirements.

Gartner
January 2012



- Strategy
- Responsibility
- Architecture
- Plan and Budget

Plan



Infrastructure Design

Process

Controls

Build



Executive Support

Govern

Delegation of Authority



Steering Committee

Report

Risk Assessment

Run

- Communications and Relationship Mgmt.
- Monitoring

- Incident Mgmt.
- Implement and Operate

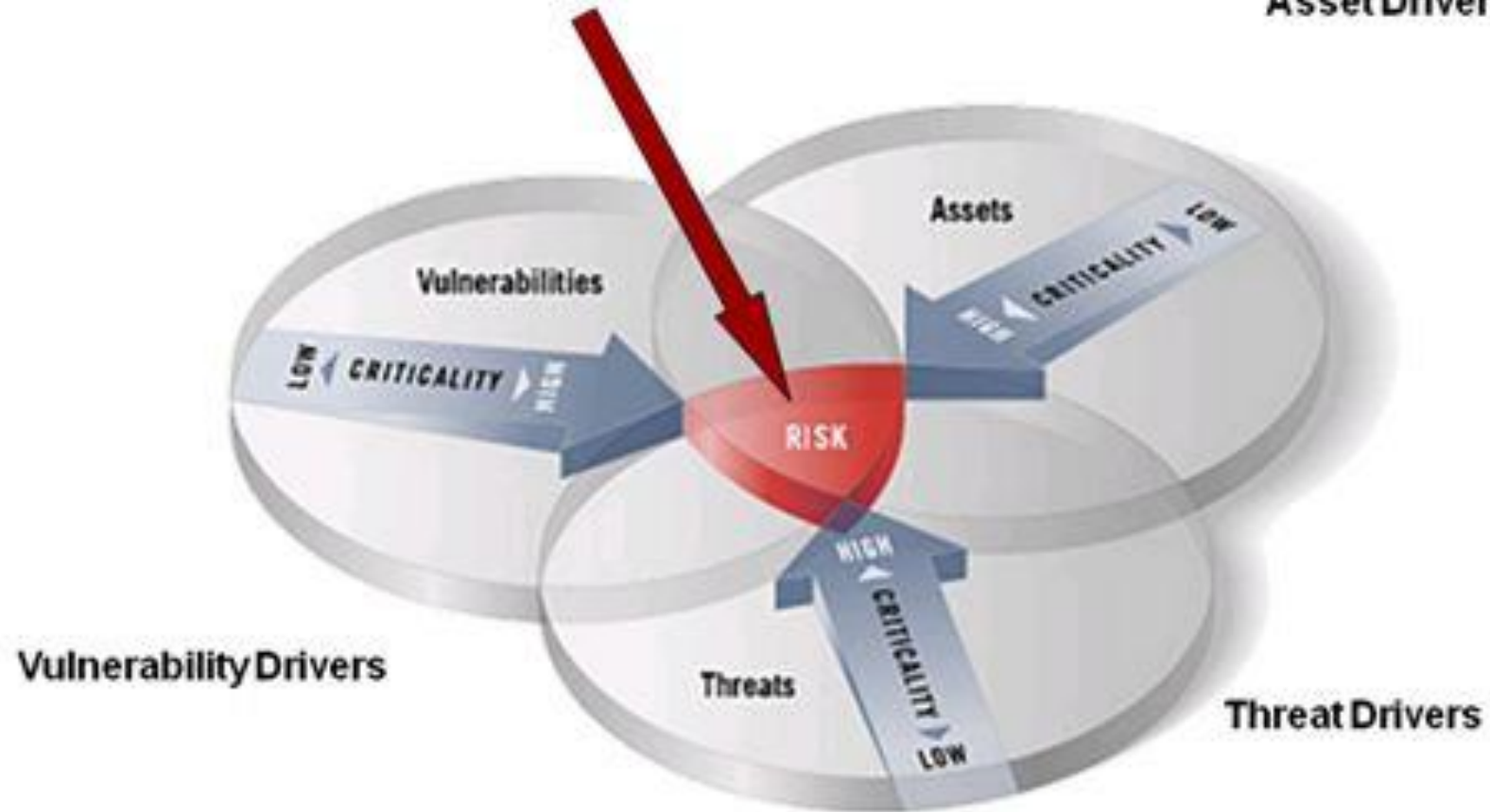
- Detection and Response
- IAM

Information Security is a balance
between three factors that
assesses overall risk....



Legal Drivers (Bounding the acceptable levels of risk)

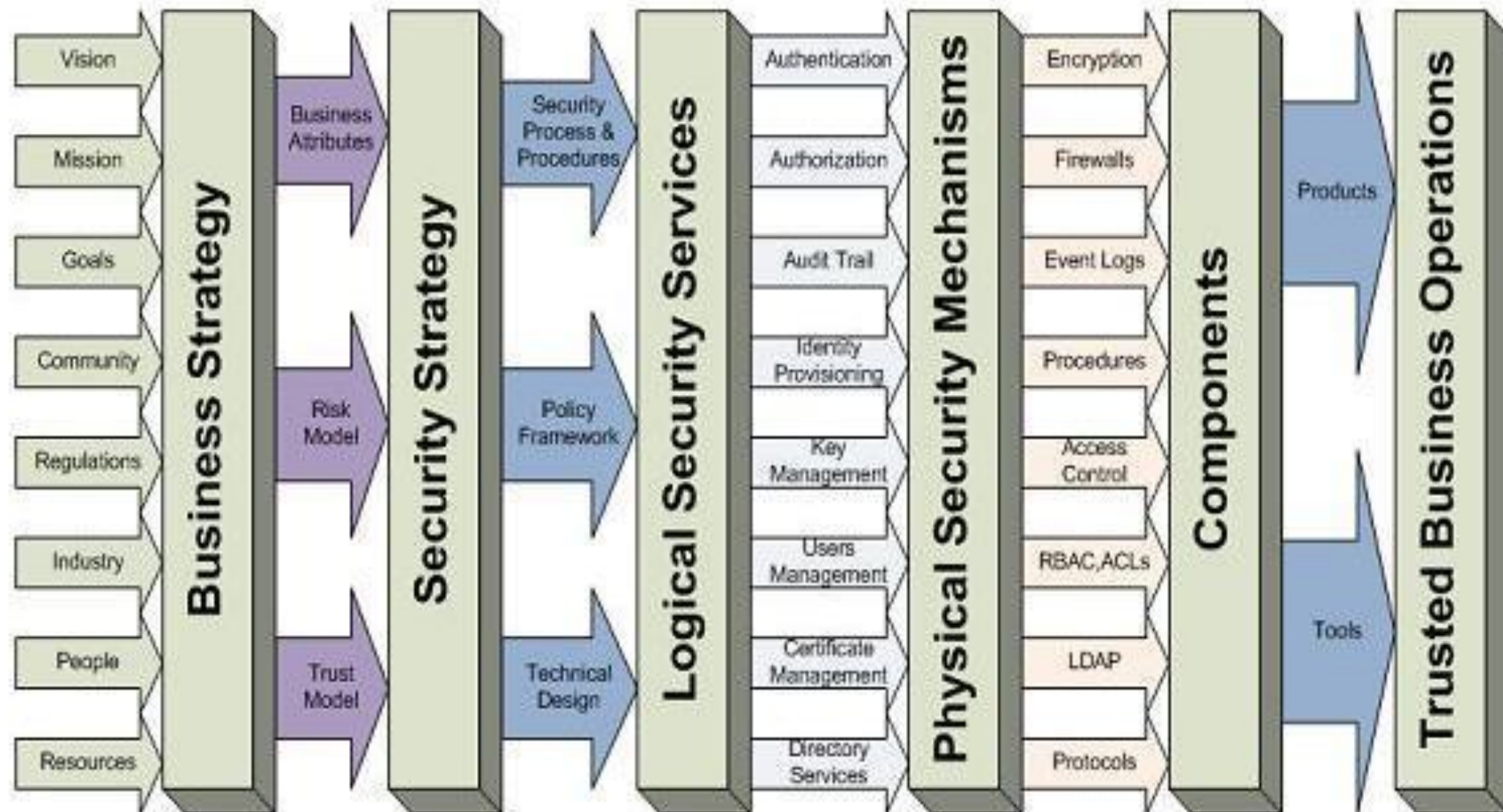
Asset Drivers



Adapted from DHS/NYS CSIC

Information Security is best
implemented in a multi-layered
defense in depth based approach





What organizations does Blue Valley look to for information security guidance?



Gartner®



GOVERNANCE, CONTROL and
ASSURANCE for INFORMATION
and RELATED TECHNOLOGY

NIST
National Institute of
Standards and Technology
U.S. Department of Commerce



Blue Valley Follows the NIST SP800 Information Security Standard

- Access Control
- Awareness and Training
- Audit and Accountability
- Configuration Management
- Identification and Authentication
- Incident Response
- Maintenance
- Media Protection
- Physical Protection
- Personnel Security
- Risk Assessment
- Security Assessment
- System and Communication Protection
- System and Information Integrity



Blue Valley Security Focuses

Network

- Built in layers to physically separate access and systems
- Monitored for improper activity and access
- Multiple Firewalls

Data

- Classify data by role and access requirements.
- Build access policies based on data classification
- All sensitive data is encrypted on the network and backup systems



Blue Valley Security Focuses

Physical

- All physical access to systems is monitored and logged by card access and security cameras
- Server and network configurations are monitored for unauthorized changes

User Devices

- All user devices are protected by a firewall, anti-virus, and full end point protection systems.
- Remote wipe for laptops with access to sensitive information
- Complete incident response system in place for compromised devices



Blue Valley Security Focuses

Audit

- Monitor all servers, networks, and applications for unauthorized access
- Conduct periodic external and internal penetration scans
- Security log aggregation systems

Disposal

- Third party contractor completes full NIST scrub of all disposed equipment and devices with full certification of NIST wipe.
- Real-time provisioning and de-provisioning of user accounts and access rights



Blue Valley Security Focuses

Awareness

- Monthly notices to staff about security updates and awareness
- Embedded in our curriculum and cyber-citizen initiatives for students
- Conduct information security training for all new employees

Updates

- All user devices are updated for security patches
- All servers are updated for security updates
- All core systems are updated for security updates



Blue Valley Security Focuses

Technology Staff

- Certified Information Security Specialist (CISSP) on staff
- Monitor global information security notices and bulletins
- Work with all vendors to implement information security controls in our products and projects.
- Review our security posture and make continuous updates and improvements to our systems
- Monitor all networks, systems, and information to keep staff apprised on any threats that occur



Our Commitment

Blue Valley works daily to ensure the privacy and protection of the student information in our care. Protecting personal information in secure and responsible ways is at the heart of our efforts to provide a richer and more dynamic learning experience for all students.

