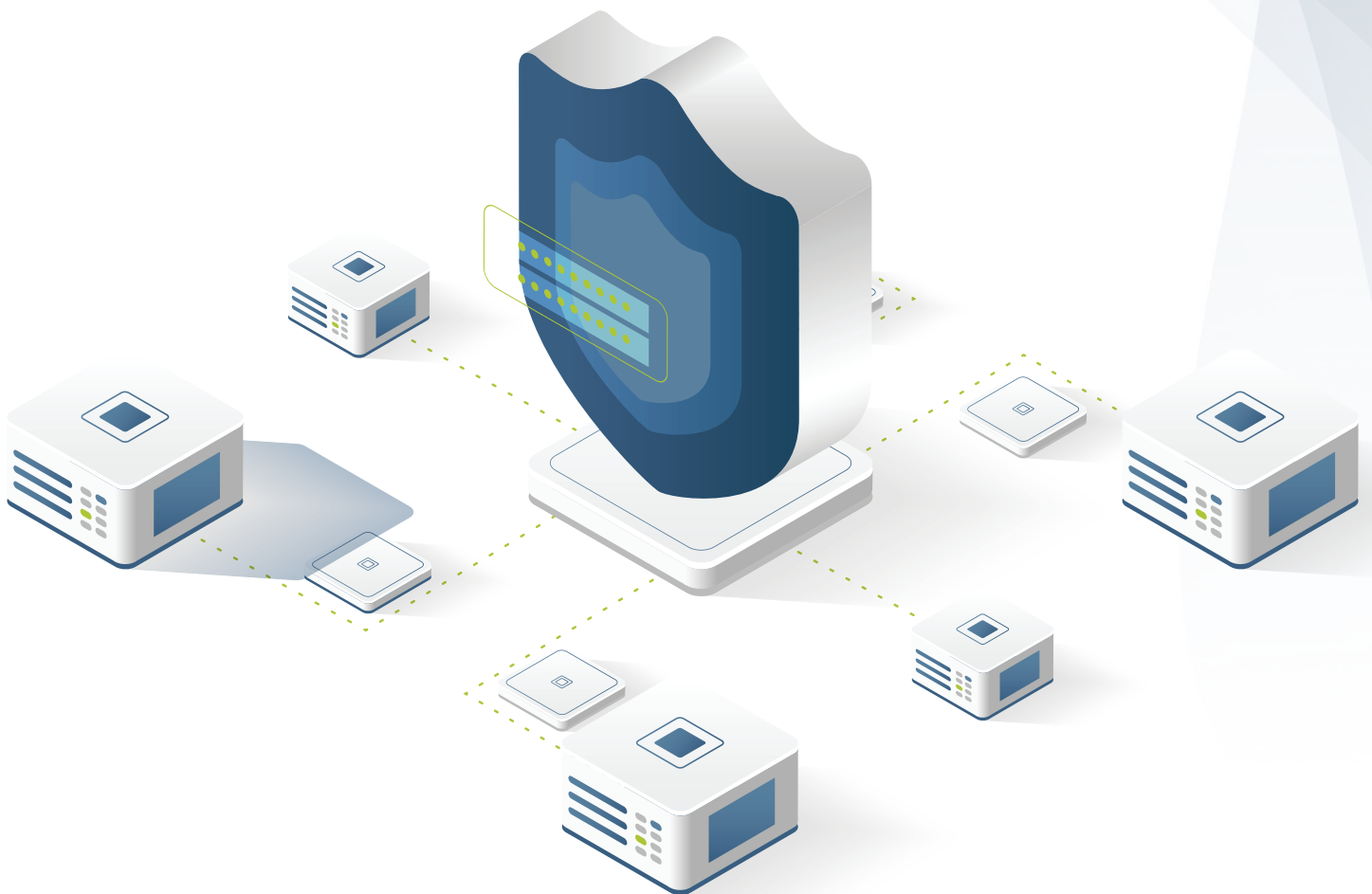


SAN JOAQUIN
— COUNTY —
Greatness grows here.

Cyber Security Strategy



MISSION STATEMENT

Information Systems Division (ISD) and the Information Security Office (ISO) are committed to providing quality security services by continuously enhancing a cohesive and evolving portfolio of initiatives to drive the continuous improvement of the security posture of San Joaquin County (SJC) and to be a world class leader.

EXECUTIVE SUMMARY

San Joaquin County Information Systems Division (ISD) and the Information Security Office (ISO) are committed to identifying, mitigating and managing cybersecurity risks to protect consumer data and privacy. This journey is even more important in the face of ever-increasing threats, including advanced malware, Advanced Persistent Threats (APTs), well-funded and organized adversaries, and increasingly automated cybersecurity attacks.

It is imperative that we prioritize the information resources, cybersecurity and privacy programs in the County. Each facet of the strategy – people, process, and technology – must be equally weighed and considered if it is to succeed.

To bring the County together as a team, we need to break down the traditional operational and informational silos that have permeated our federated environment in the past. Cybersecurity must now be a unified effort, and no one entity or organization can hope to succeed alone. While this strategy takes into consideration a common security posture for the County, we must be cognizant that certain capabilities only make sense to do so collectively, rather than individually.

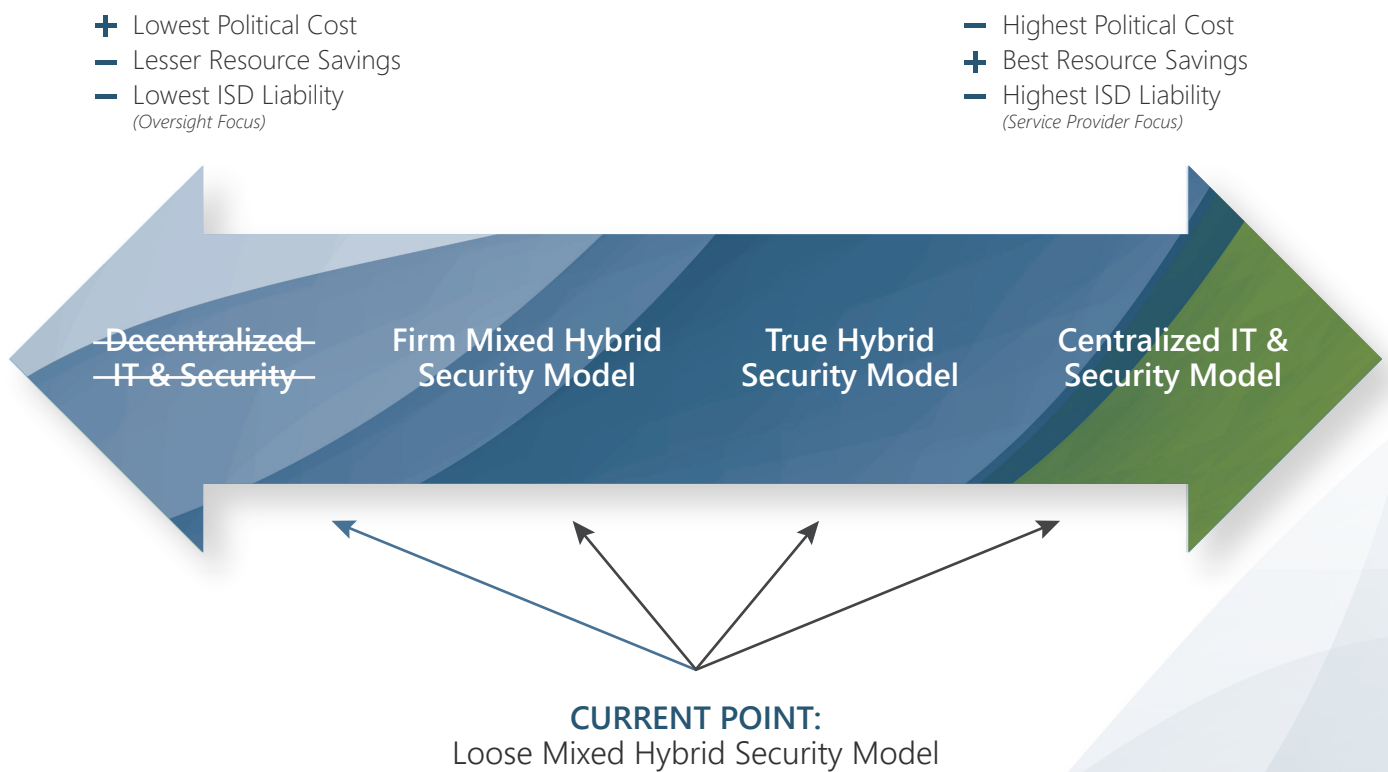
Finally, this strategy represents an iterative approach to effectively address current and future information, privacy, and cybersecurity challenges that the County faces. It represents a step in the right direction to enhance and modernize the Counties efforts to meet the objectives and to provide the highest level of protection to our citizen’s data and services. To this end, ISD/ISO looks forward to working together across all private and public sector partners to take these steps forward together.

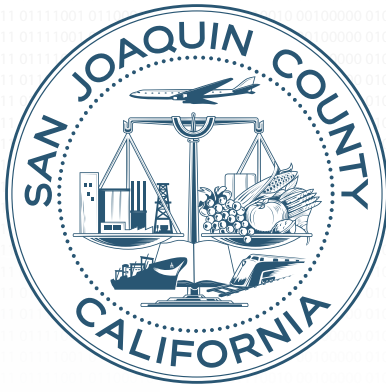
Chris Cruz
*Information Systems Division
Director / CIO*

Lokesh Sisodiya
*Information Systems Division
Security Officer*

HYBRID SECURITY MODEL

ISD worked with a Security Vendor to define the decision matrix for the type or style of IT and Security Governance that SJC should pursue. This decision matrix detailed a “spectrum of governance,” shown below, which once decided upon will greatly influence the implementation of each of the initiatives based on Industry best practices (such as whether to first provide an internal capability or a larger “Countywide” solution). It is recommended that SJC adopt a goal of “True Hybrid” Governance which would result in a preponderance of centralized IT and Security capabilities run by ISD for the County with a select number of “independent” organizational capabilities being utilized by County entities. As a near term goal, it is recommended that a “Firm Mixed” Hybrid Security Governance model be utilized, which is achieved by the selection and purposeful roll out of highly impactful centralized IT and Security capabilities as time and resources allow. .





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