



Legislative Council Staff

Information Technology

State of IT In The Legislative Branch

Natalie Mullis, Director

Manish Jani, Deputy Director

Zack Wimberly, IT Infrastructure and Support Manager

Kevin Smith, IT Applications Manager/Product Owner

Bret Stewart, IT Applications Manager/Project Manager

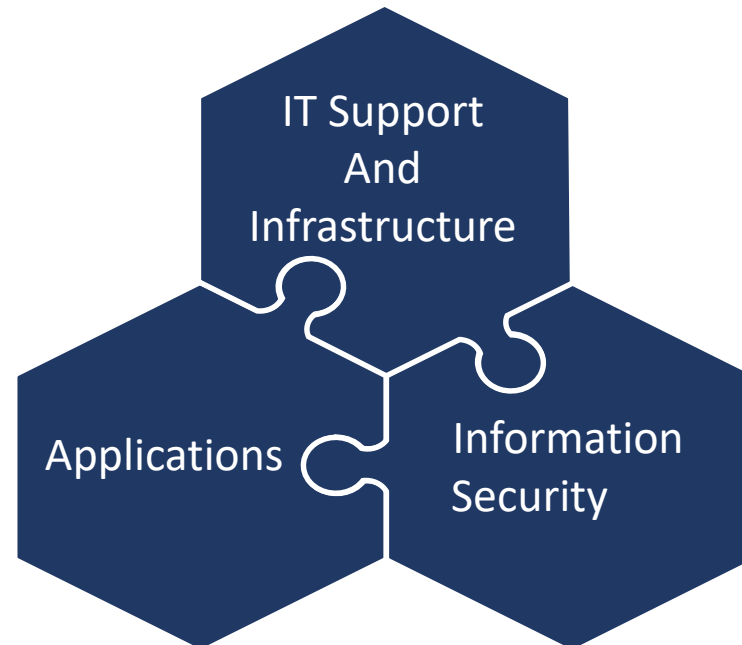
Larry Hofer, Senior Information Security Analyst

Agenda

Overview of
Legislative IT

Products, Services
and Functions

Strategy Summary



Agenda

**Overview of
Legislative IT**

Products, Services
and Functions

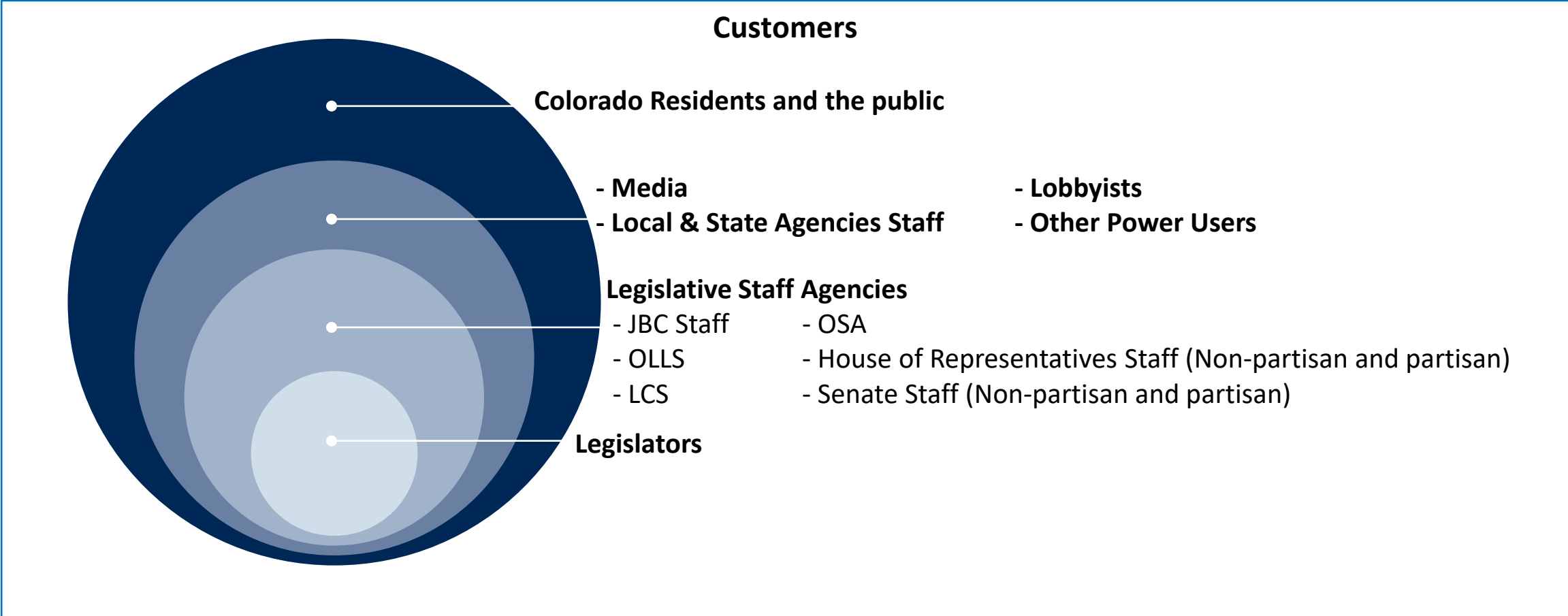
Strategy Summary



LEGISLATIVE IT OVERVIEW

Customers

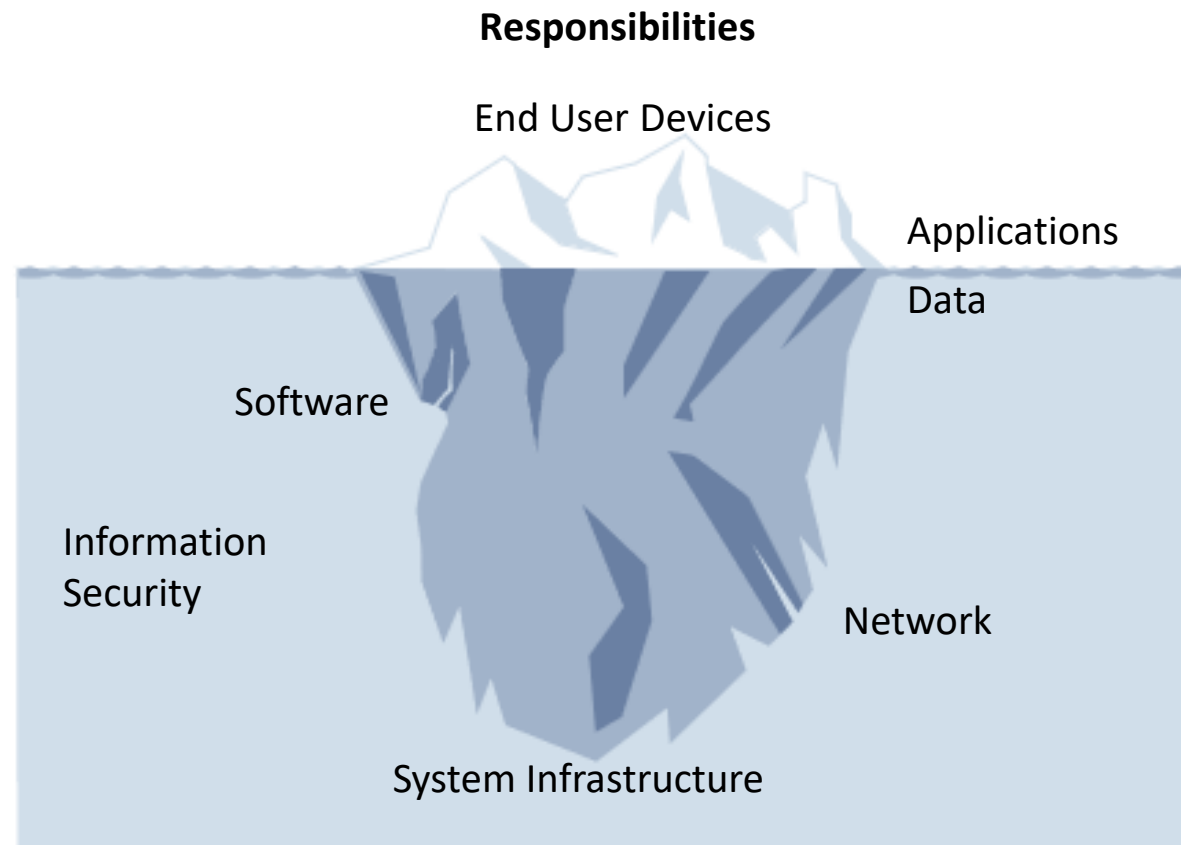
The legislature's IT team provides services to a large customer base



LEGISLATIVE IT OVERVIEW

Responsibilities

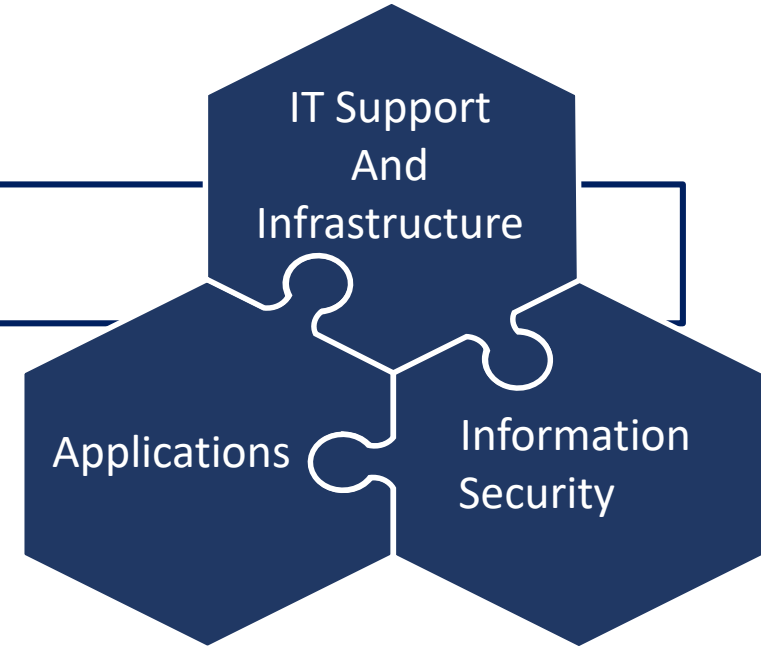
Responsibilities of the legislature's IT organization



LEGISLATIVE IT OVERVIEW

Overview

High level view of the legislature's IT organization



Executive Committee of the Legislative Council

Legislative Council Staff

Director of Research, 1.0 FTE

Legislative Information Services

Deputy Director/ IT Director, 1.0 FTE

IT Support and Infrastructure Manager, 1.0 FTE

IT Support

IT Support Tech, 4.0 FTE
Audio Visual Tech, 1.0 FTE

Information Security

Information Security
Analysts, 2.0 FTE

Infrastructure

System Administrators, 4.0 FTE

Application Development

IT Application Manager &
Project Manager, 1.0 FTE

Application Developers, 5.0 FTE
UI Developer, 1.0 FTE
1.5 Contract Developers

IT Application Manager &
Product Owner, 1.0 FTE

Application Developers, 1.0 FTE
Product Owners, 3.0 FTE
Quality Assurance Analyst, 1.0 FTE
Application Support/Trainer, 1.0 FTE
1 Contract Developer



Products, Services and Functions

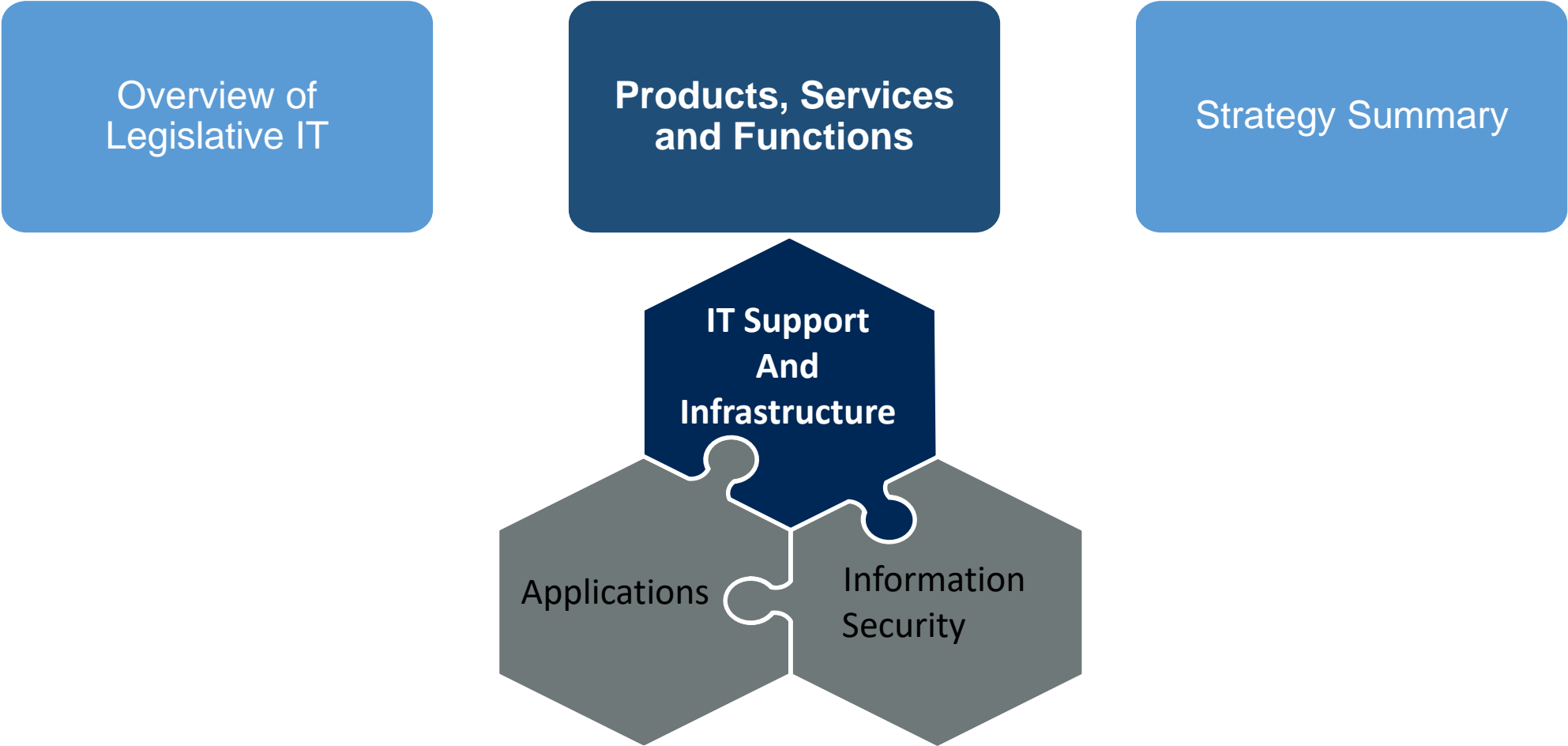
Overview of
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**Products, Services
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Strategy Summary



Products, Services and Functions – IT Support and Infrastructure



IT SUPPORT

IT Support

Purpose: Provide reliable and responsive tech support for staff and legislators

Key IT Support Responsibilities

IT Support Helpdesk

Deployment and
Support – Hardware
and Software

Hardware/Software
Inventory

Procurement and
License
Management

Tech Training



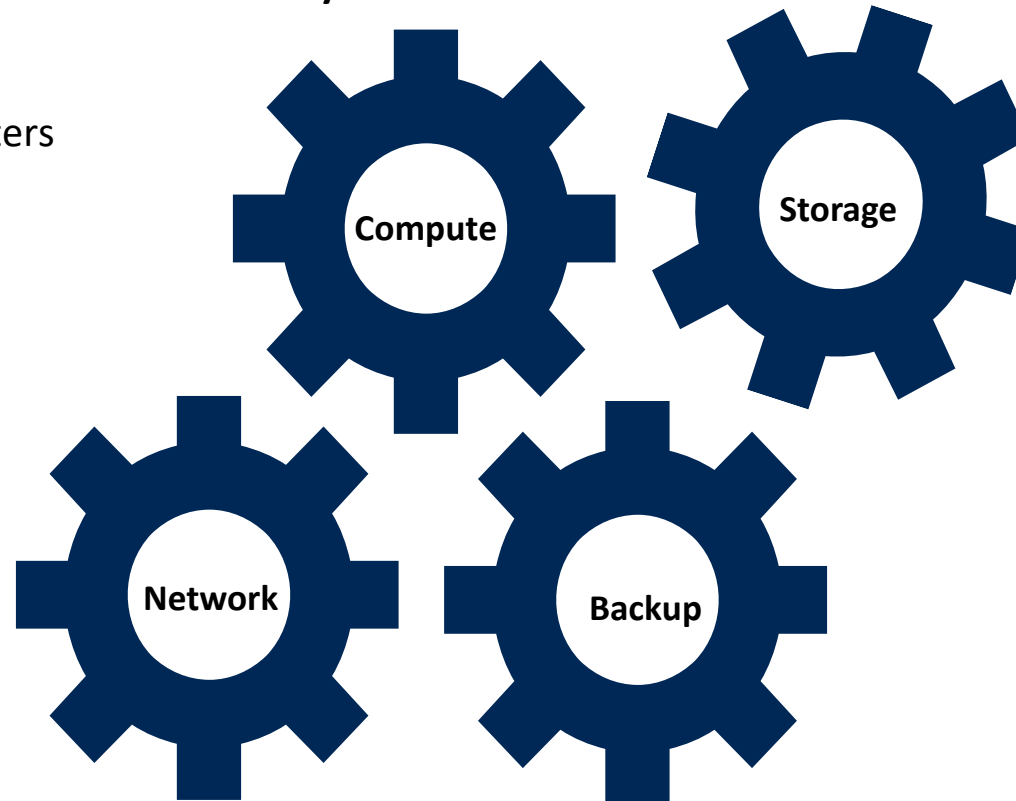
IT INFRASTRUCTURE

Infrastructure

Purpose: Provide reliable technology infrastructure for the functioning of legislative business

- ✓ High Availability and Disaster Recovery
 - ✓ Primary and Secondary Data Centers
- ✓ Cloud

Key Functions



AUDIO/VIDEO

Audio-Video

Purpose: Provide reliable audio video technology, infrastructure and support services for the functioning of legislative business

Key Points

Audio-Video technology
Committee rooms,
chambers, and lobbies

Accessibility Options

Online Audio Streaming

Operational Support -
Presentations, Overflow,
Remote participation, Off-
site meetings

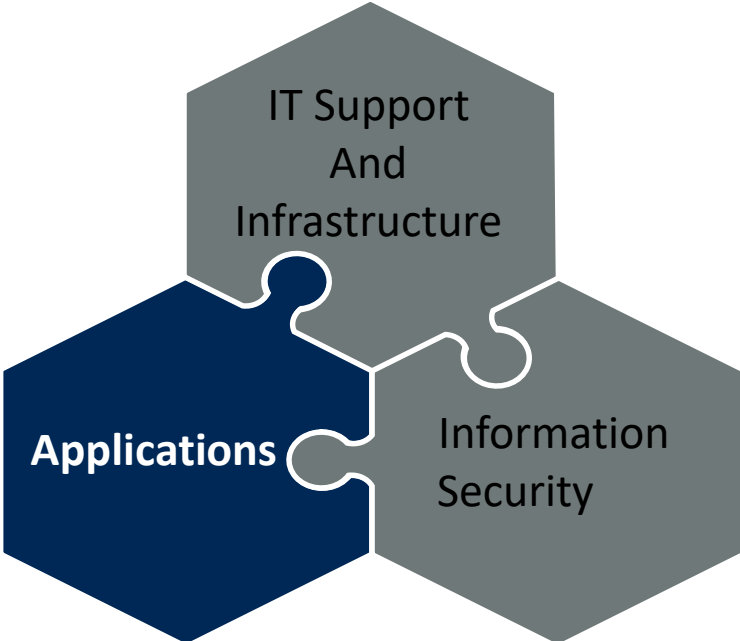


Products, Services and Functions– Applications

Overview of
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APPLICATIONS

Core Applications

Purpose: Mission critical custom software applications for legislative business

Key Applications

CLICS

Bill Drafting
Calendar/Journal
Committee Management

iLegislate

CLUVS

Chamber Voting System

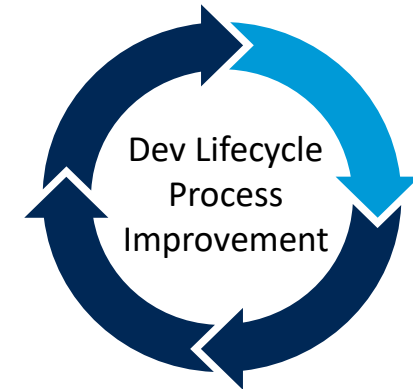
CGA Website

CLIMBS

eBudget System

XDOME

Statutes Publishing



APPLICATIONS

Other Applications

Purpose: Additional custom software applications in use for legislative business

Examples of Some Additional Custom Software Applications In Use

- Live Proceedings
- Remote Testimony
- Local Government Audit Submissions to OSA
- Redistricting Website
- Research Requests
- Ballot & Initiatives Analysis
- CDC/JTC Budget Tracking System
- Time & Attendance
- OSA's Fraud Hotline System
- OLWR Complaints Tracking
- Tours Sign Up System
- CORA Requests Management System
- House Aide Hours Management System
- Procurement and Contract Management Systems
- Required Reports
- Legislator History
- House and Senate Rules
- Interim Committees Requests
- CLICS Reporting Services
- Economic Forecasting Data Automation



APPLICATIONS

Cloud

Cloud Strategy: Cloud adoption is evaluated on a solution by solution basis

Cloud Presence (IaaS, PaaS, SaaS)

End User

- *Box*¹
- Zoom
- Docusign
- Adobe Creative Cloud
- ESRI ArcGIS
- Mailchimp
- Tableau

DevOps

- *Amazon Web Services*¹
- *Acquia*¹
- OIT managed cloud storage
- *Sliq A/V Streaming*¹

IT Support

- MDM/UEM
- Asset Management
- Patch Management

Application Development

- *Mailgun*¹
- Atlassian
 - Jira
 - Bitbucket

Information Security

- Next-Gen endpoint protection anti-virus tool
- Real-time firewall monitoring and filtering
- Mobile Endpoint Security tool

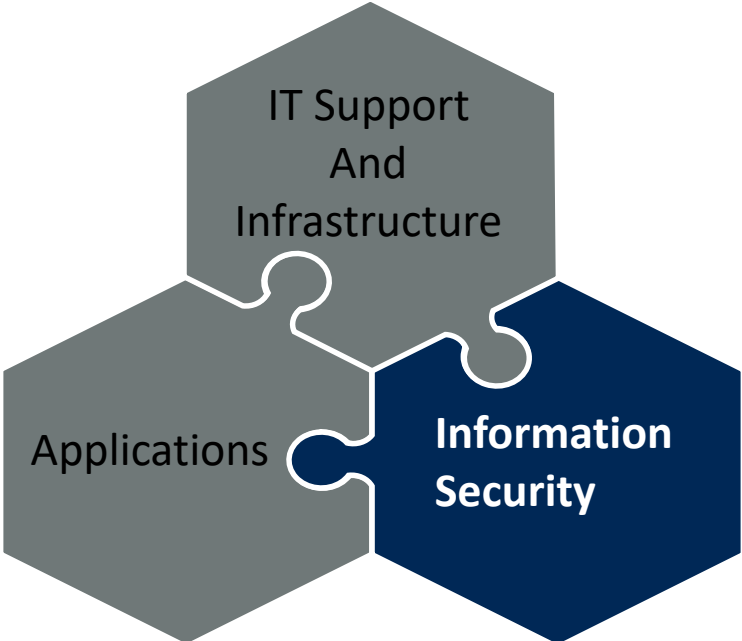


Products, Services and Functions – Information Security

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Strategy Summary



THE SECURITY FUNCTION

Information
Security

Purpose: Lead the effort to manage information risk based on organization needs

Function

Identify

Protect

Detect

Respond

Recover

Approach to Information Security

Frameworks

Risk Assessments

Response Services

Other Security Services



THE SECURITY FUNCTION

Information
Security

Who do we work with?

Collaboration

State

- **OIT** - Procurement, Operations, Incident Response, Processes and Information sharing
- **CO National Guard** – Bi-annual Cyber exercises
- **CO Information Security Operations Center (ISOC)** – Process discussions
- **CO Judicial, Secretary of State, AG** - Team collaboration/information sharing
- **CO Information Analysis Center (CIAC)** - Multi agency fusion center (law enforcement) to prevent terrorism in CO)
- **Colorado Threat Information Sharing (CTIS)** - Participant
- **Monthly SLTT CISO meetings** – After hours discussions
- **Colorado Bureau of Investigations (CBI)** - Fraud and Identity Theft Law Enforcement Lead Agent Contact
- **Division of Homeland Security Emergency Management (DHSEM)** – Incident planning



THE SECURITY FUNCTION

Information
Security

Who do we work with?

Collaboration

National

- **NCSL Executive Cyber Task Force** - Participation
- **Multi-State Information Sharing and Analysis Center (MS-ISAC)**
- **Dept. of Homeland Security (DHS)** - Regional Contact
- **Trusted Vendor Advisors** – Consultations, Research and select Quarterly Business Readouts



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STRATEGIC AREAS OF FOCUS

Strategic Goals

Vision: The vision of the Colorado Legislative Council Staff is to be a bold and innovative provider of trusted, nonpartisan services that meet the evolving needs of the legislature and Colorado

IT Vision

To support and guide the legislative organization as a strategic partner through the use of innovative technology, risk management and data driven initiatives

Services and
Information
Accessible by All

Resilience

Quality

Right Information
Right Person
Right Time

Efficiency Through
Automation

Innovation



THANK YOU

natalie.mullis@state.co.us • 303.866.4778
manish.jani@state.co.us • 303.866.5844
ithelp.ga@state.co.us • 303-866-5849

