

**CURRENT STATE**

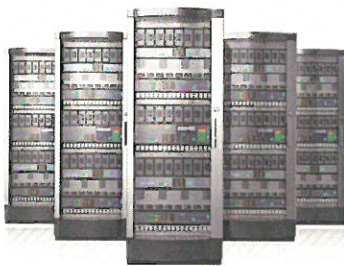
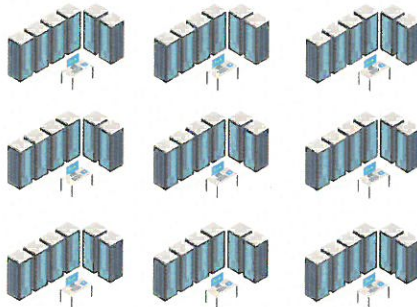
33600 SQ FT STATE TOTAL

State Data Center-MAC

vs

State Data Centers

9600 SQ FT  
State Data Center-West



**1145** Physical Windows servers in the state

**383** Located in the State Data Centers

**66%** Physical Windows servers are not currently hosted by DIS

**FUTURE STATE**

State Data Center-West

New Colocation (Only pay for what you need)



= 76% REDUCTION IN SQ FT

DIRECT CLOUD  
CONNECTION



DIRECT CLOUD  
CONNECTION



**GAINS**

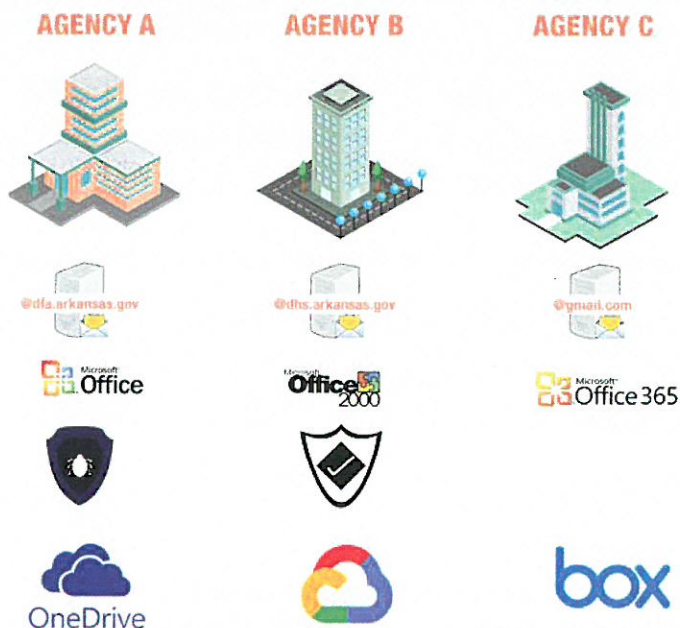
**\$4.8M** Improvement in 5 year spend  
**\$5.4M** Annual savings starting year 4

## CURRENT ARCHITECTURE

- Varied email server versions & providers
- Varied email domains
- Varied MS Office product versions
- Varied or no anti-virus
- Varied or no content management
- Varied cloud storage products

## CURRENT ISSUES

- Disparate email support needs and concern for information security
- Difficulty in finding email users
- Incompatibilities between documents
- Disparate support for endpoint security and mobile device
- Lack of central reporting ability
- Inability to address retention requirements
- Security concerns with cloud services



## TARGET ARCHITECTURE

- One @arkansas.gov exchange domain
- Exchange Online - 1GB
- Latest MS Office version
- MS Advanced Threat Protection (ATP)
- Mobile Device Management (MDM)
- Multifactor Authentication (MFA)
- Data Loss Prevention (DLP)
- OneDrive for Business

## SECURITY BENEFITS

- Centrally managed single sign-on across devices
- Protection against today's advanced attacks
- Mobile device management
- Safe sharing of sensitive data inside and outside of state agencies
- Visibility and control over shared data
- Document compatibility across agencies
- Centralized governance controls

## ALL EXECUTIVE BRANCH AGENCIES





# DIS at a Glance

Premier IT Products  
& Solutions Provider  
Serving The  
Following Entities  
in Arkansas's Public  
Sector:

State Agencies

Boards

Commissions

K-12 Schools

Higher Education

Public Safety

County Government

City Government

## \$80 Million

IT Products & Solutions

## 1,500 +

Governmental Sites  
Served

## 24/7/365

Monitoring & Support



## VALUES

Technology Leadership | Customer Service | Quality Results | Efficiency

**Remote  
Field  
Support**

**24/7/365  
Call  
Center**

**Desktop  
Support**

**IT  
Planning &  
Consulting**

## VALUE

DIS negotiates with vendors to leverage the state's buying power

## SERVICES

DIS is the engine that keeps public systems operational

Internet Connectivity

Secure Data Center Hosting

Virtual Private Cloud

Data Analytics

Voice over Internet Protocol

Voicemail & Email

Audio & Video Conferencing

Tape, Data Storage & Backup



Network Security

Windows Desktop Support

Application Development

Cybersecurity

Business Continuity

Disaster Planning & Recovery

Systems Integration

Project Management

Arkansas  
Department of  
**information**  
Systems

EMPOWERING THE CITIZENS OF ARKANSAS THROUGH TECHNOLOGY





# Data Center Optimization

## Transforming Government

### FACTS

A shared foundation paves the way for next generation digital government.

Consumes less power & reduces energy bills

Isolate & resolve problems faster

More compact, secure system, creating a more manageable footprint

Efficiencies gained through the elimination of disparate data centers

## Business Benefits

You retain autonomy and control of your applications.  
We oversee security and compliance.

Free up budget resources

Explore new business opportunities

Minimized risk provides peace of mind

Greater regulatory compliance

Audit requirements shift to DIS

Fully leverage economies of scale

More effective alignment of staff & skills

Relieves IT staff from mitigating incidents

Creates a more agile IT staff

Relieves agency technical debt

## Operational Benefits

Optimization will mitigate many business challenges and risks that agencies face today.

Strengthened data security

Optimum disaster recovery posture

Unified policies & standards

Resilient data center infrastructure

Improved automation

Increased application performance

Reduced obsolete/end-of-life technology

Conformance to best practices

## The Data Center at a Glance

### Enterprise Class

563 hosted servers  
2PB managed storage

### Physically Secure

9,600 square feet

### Emergency Power

3 diesel powered  
generators

7-days run time from  
on-site fuel storage

20,000 gallons  
combined fuel capacity

### Cloud Services

Flexible, cost-effective  
& available on demand

### Dual Powered IT Equipment

### 300 Tons of Cooling



Arkansas  
Department of  
**information**  
Systems

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EMPOWERING THE CITIZENS OF ARKANSAS THROUGH TECHNOLOGY