Fiscal Year 2016 Update
Driving Value through Optimization and Collaboration
IT Optimization Update
shared infrastructure, platforms, solutions and outcomes

Custom Software Era
- Mainframe Based
- Capital and Risk Intensive Projects
- Designed for you, and only you
- 25+ Year Old Legacy Systems

1990s – 2000s
“Build it as a Project”

2000s – 2010s
“Buy it as a Package”

Age of the Packages
- “Better/Leading Practices”
- Organization Change Management Mandatory
- ERP, SCM, CRM, ITSM, BI/DW and other alphabet soups
- Organizational Resistance – “We are special, different, unique…”

Emerging Service Platforms
- Configuration, not customization
- Consolidated Infrastructures
- Commercial Industry may have a better mousetrap
- “Mobility” baked in – not an afterthought
- Spend money on innovation rather than re-iteration

2010s – Onward
“Use it as a Service”

“Just Use It”
“customize at your own peril”

Key drivers:
✓ invest in platform and service-based solutions
✓ share them... liberally....
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continued focus on the right things... still lots of work to do!

since 2010, the State has moved from spending less than 19 cents of every IT dollar on the public facing services and systems to more than 55 cents of every IT dollar spent in FY16

aspirational target: 70%

key drivers:
✓ continued use of shared infrastructure & services
✓ move to software and platform standards
✓ legacy systems retirement
✓ cross-organizational collaboration
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IT optimization has focused infrastructure spending... other categories need attention

**Hardware Purchases**
- FY13: $27.6
- FY14: $19.2
- FY15: $5.4
- FY16: $3.5

**Hardware Repairs/Maint**
- FY13: $27.9
- FY14: $16.4
- FY15: $7.1
- FY16: $2.7

**Mainframe**
- FY13: $29.3
- FY14: $16.3
- FY15: $16.0
- FY16: $19.8

**Software Purchases**
- FY13: $38.5
- FY14: $25.3
- FY15: $25.9
- FY16: $23.7

**Software Repairs/Maint**
- FY13: $72.4
- FY14: $65.9
- FY15: $65.1
- FY16: $76.0

**Key Drivers:**
- ✔ continued use of shared infrastructure & services
- ❌ historical software (over)spend
- ❌ lack of sharing licenses, standards and support
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...the migration to the cloud has commenced, will the last agency with a legacy system, please turn out the lights on your way out...

Ohio’s hybrid state & external cloud “innovation platform” for common services that agencies can utilize and build upon
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cyber and identity continue to be centerpoint initiatives and focus areas

**EndPoint Protection**

Deployed to **83,000** workstations and servers across **66** agencies, boards, and commissions, including:
- Antivirus
- Site Advisor
- HIPS
- Policy Auditor

Vulnerability Scanning – finds vulnerabilities and misconfigurations which could be exploited in an attack
Weekly network vulnerability scanning for **over 100,000** IP addresses enterprise-wide

Enterprise secure web gateway – protects internet browsing against malicious activity

**Network Security**

Application Vulnerability Scanning – detects application vulnerabilities which could be used to exfiltrate data or deface websites
**300** websites and continuing to expand this service

Network Intrusion Detection – detects malicious activity on the network in realtime
**10** devices deployed throughout the enterprise

**Security Incident Response Team**

SIRT monitors enterprise security tools and works with agencies on remediation. Incidents (Calendar Year to date):
- **451** incidents related to Investigations into suspicious activity
- **1728** incidents related to malware
- **3,721** total incidents reported

**key drivers:**

- Ohio websites, networks and systems are a clear target for hacking & unapproved access
- An enterprise focus is essential
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collaborating across the enterprise, and across the State

**Enterprise Identity / Access Management**
- Definitive Identities
- Multi-Factor Authentication
- Programmatic Fraud Detection

**Enterprise Data Analytics**
- Cross Agency Data Sharing Initiative
- Analytics Processing / Storage
- Access to Specialized Data Scientists

**TrustOhio**
- Security as a Service
- Penetration Testing
- Active Threat Remediation

**Cross-Government Collaboration**
- Infrastructure Co-Location & Sharing
- Mainframe Sharing
- MARCS, E-911 and Security

**Enterprise/Agency Collaboration**
- OAKSenterprise (OAKS/ODOT)
- Significantly increases capabilities of OAKS for all Agencies
- Support ODOT retirement of Systems

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our peers have taken notice of our results

2016 Digital States Survey
✓ Ranked “A” for first time ever
✓ One of only 5 States at this level

2016 Digital States Survey
✓ 4th Place – Adaptive Leadership
✓ 2nd Place – Transportation

2016 Industry Awards
✓ NASCIO Information Communications Technology Award (VoIP)

2016 NSTIC Grant Award
✓ $2.97M Funding for Enterprise Identity, Authentication, Fraud Project