



# State CIO Priorities for 2016

November 10, 2015

## A. Priority Strategies, Management Processes and Solutions Top 10 Final Ranking

1. **Security and Risk Management:** governance, budget and resource requirements, security frameworks, data protection, training and awareness, insider threats, third party security practices as outsourcing increases, determining what constitutes "due care" or "reasonable"
2. **Cloud Services:** cloud strategy, proper selection of service and deployment models, scalable and elastic IT-enabled capabilities provided "as a service" using internet technologies, governance, service management, service catalogs, platform, infrastructure, security, privacy, data ownership
3. **Consolidation/Optimization:** centralizing, consolidating services, operations, resources, infrastructure, data centers, communications and marketing "enterprise" thinking, identifying and dealing with barriers
4. **Business Intelligence and Data Analytics:** applying BI/BA within the enterprise, communicating the value, building expertise, delivering shared services, exploring big data, data analytics
5. **Legacy Modernization:** enhancing, renovating, replacing, legacy platforms and applications, business process improvement
6. **Enterprise Vision and Roadmap for IT:** vision and roadmap for IT, recognition by administration that IT is a strategic capability, integrating and influencing strategic planning and visioning with consideration of future IT innovations, aligning with Governor's policy agenda
7. **Budget and Cost Control:** managing budget reduction, strategies for savings, reducing or avoiding costs, dealing with inadequate funding and budget constraints
8. **Human Resources/Talent Management:** human capital/IT workforce, workforce reduction, attracting, developing and retaining IT personnel, retirement wave planning, succession planning, support/training, portal for workforce data and trends
9. **Agile and Incremental Software Delivery:** iterative design and incremental development of software solutions, allows for design modifications, prototyping and addition of new capabilities as part of the development process
10. **Disaster Recovery/Business Continuity:** improving disaster recovery, business continuity planning and readiness, pandemic/epidemic and IT impact, testing



## B. Priority Technologies, Applications and Tools Top 10 Final Ranking

1. **Security Enhancement Tools:** continuous diagnostic monitoring (CDM), digital forensics
2. **Cloud Solutions:** software as a service
3. **Legacy Application Modernization/Renovation**
4. **Data Management:** master client index/master data management, information exchanges (e.g., health, justice, transportation, environmental)
5. **Business Intelligence (BI), Business Analytics (BA):** applications, big data, data analytics
6. **Identity and Access Management:** technologies and solutions
7. **Mobile Workforce:** technologies and solutions
8. **Virtualization:** servers, desktop, storage, applications, data center
9. **Networking:** voice and data communications, unified
10. **Document/Content/Records/E-mail Management**