# State CIO Top Ten Priorities for 2017

November 2016

Top Ten Strategies, Management Processes and Solutions

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. **Consolidation/Optimization:** centralizing, consolidating services, operations, resources, infrastructure, data centers, communications and marketing "enterprise" thinking, identifying and dealing with barriers

3. **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

4. **Budget, Cost Control, Fiscal Management:** managing budget reduction; strategies for savings; reducing or avoiding costs; dealing with inadequate funding and budget constraints

5. **Legacy modernization:** enhancing; renovating; replacing; legacy platforms and applications; business process improvement

6. **Enterprise IT Governance:** enterprise IT policy and planning; improving IT governance; partnering; inter-jurisdictional collaboration; industry advisory boards; legislative oversight–achieving proper balance; agencies participating as members of a "state enterprise"

7. **Data Management and Analytics:** data governance; data architecture; strategy; business intelligence; predictive analytics; big data; roles and responsibilities

8. **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

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. **Broadband/Wireless Connectivity:** strengthening statewide connectivity; implementing broadband technology opportunities
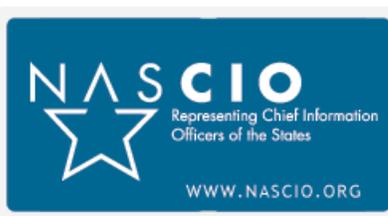
Top Ten Technologies, Applications and Tools

1. **Legacy Application Modernization/Renovation**

2. **Cloud Solutions:** software as a service

3. **Security Enhancement Tools:** CDM, advanced analytics, digital forensics

4. **Business Intelligence (BI) and Business Analytics (BA):** applications, big data, data analytics

5. **Identity and Access Management**

6. **Data Management:** Master Person Index/Master Data Management; information exchanges

7. **Disaster Recovery / Business Continuity**

8. **Networking:** voice and data communications, unified, SDN

9. **Enterprise Resource Planning (ERP)**

10. **Customer Service/CRM:** technologies and solutions