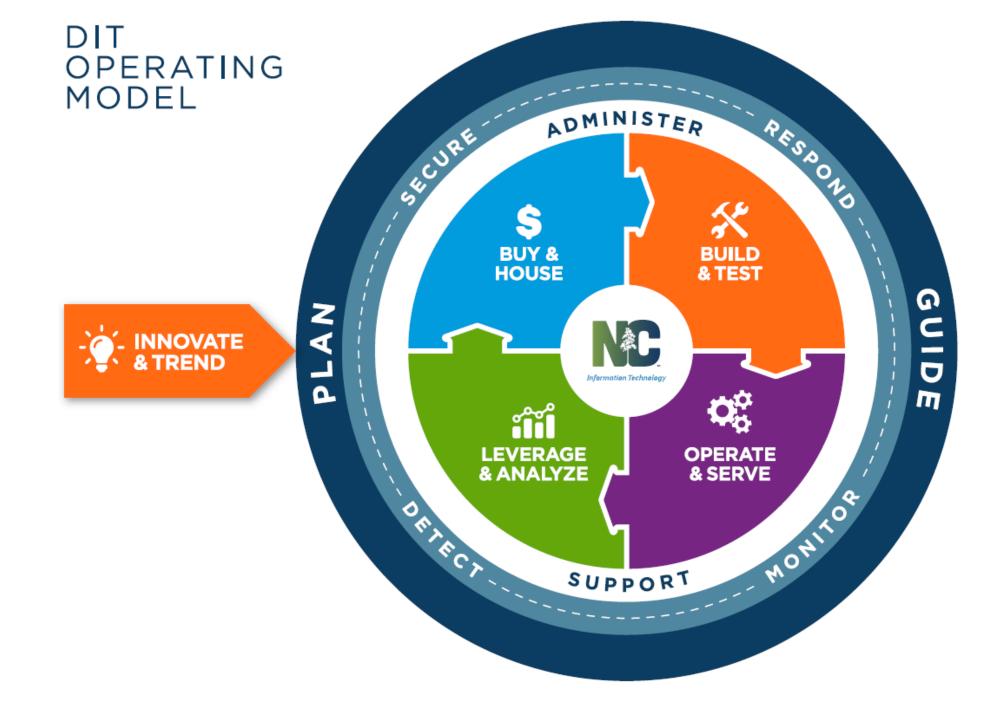




NC Department of IT Overview Jon Minshew July 11, 2017







Innovation Center (iCenter)







4,500+ Device Tests



Savings of **\$1.4M** Annual Digital Storage Costs



3 National Awards



Savings of **\$7M** Renegotiated Contracts



Government Data Analytics Center (GDAC)

- NC Financial Accountability and Compliance Technology System (NCFACTS)
- Criminal Justice Law Enforcement Automated Data Services (CJLEADS)
- North Carolina SAS Enterprise Authentication Tool (**NCSEAT**)
- North Carolina Early Childhood Integrated Data System
- (NC ECIDS)



GDAC Data Visualization Studio



Broadband Infrastructure Office (BIO) Mission

Provide guidance on policies and strategies for community and state leaders to enhance high-speed internet access for global competitiveness, education, public safety, health care, and government efficiency. Partner with willing communities to provide on-the-ground strategic, technical, and planning assistance specifically aimed at expanding broadband deployment and adoption.



NC DIT BIO visits Advanced SuperAbrasives plant in Mars Hill, N.C.



Service Delivery

Who We Are:

- Product Management and Engineering
- Enterprise Applications and Infrastructure Operations
- Customer Service/ Service Support
- \circ IT Service Excellence

What We Do:

The Service Delivery Division provides a wide range of information technology services to State agencies, local governments, and educational institutions across North Carolina. Our services include enterprise applications, hosting, network, telecommunications, desktop computing, and unified communications such as email and calendaring. Providing **IT Service Excellence** through our service delivery across agencies allows the State to realize efficiencies and cost savings through economies of scale.

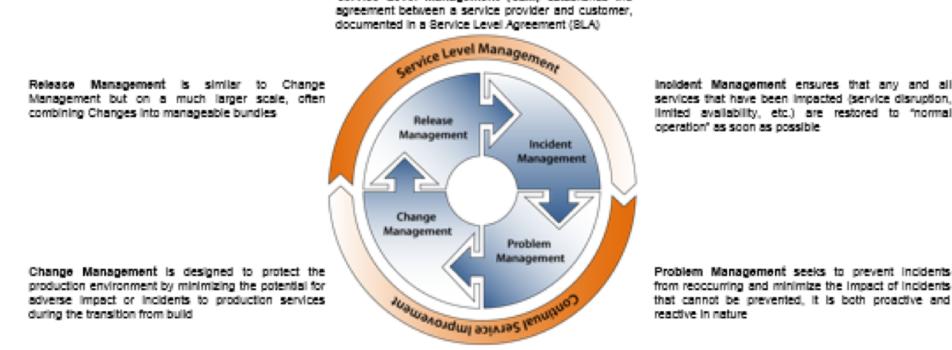
Common Collaboration:

- State Agencies
- Local Governments
- Educational Institutions



IT Service Excellence

The IT Service Excellence Team oversees the development of IT Service Management (ITSM) policies, processes and procedures that govern the delivery of DIT services utilizing the Information Technology Infrastructure Library (ITIL) framework. Service Level Management (SLM) establishes the



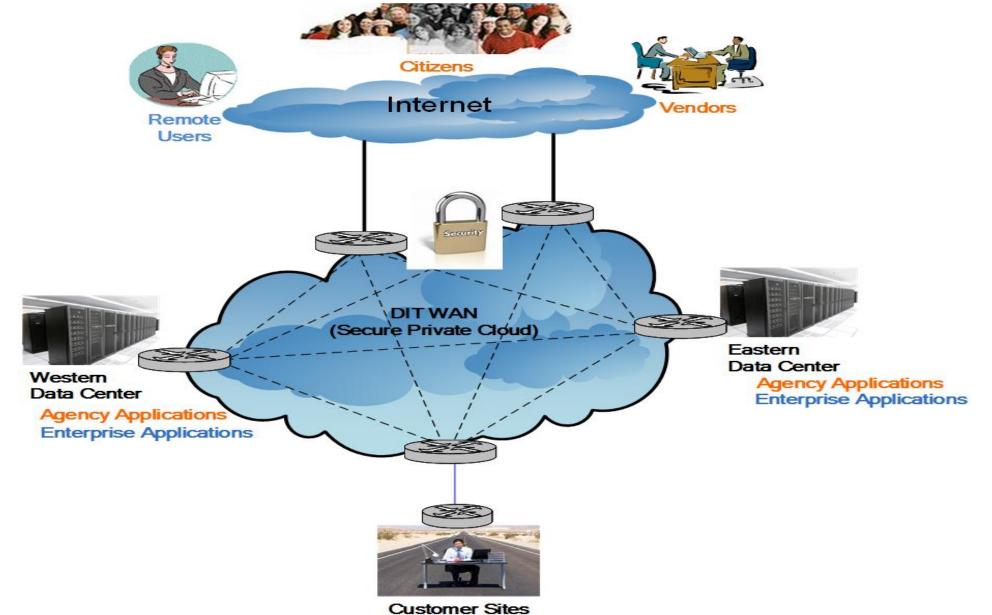
Continual Service improvement (CSI) strives to improve all aspects services and processes, asking the simple question; "What can be done better?"

services that have been impacted (service disruption, limited availability, etc.) are restored to "normal

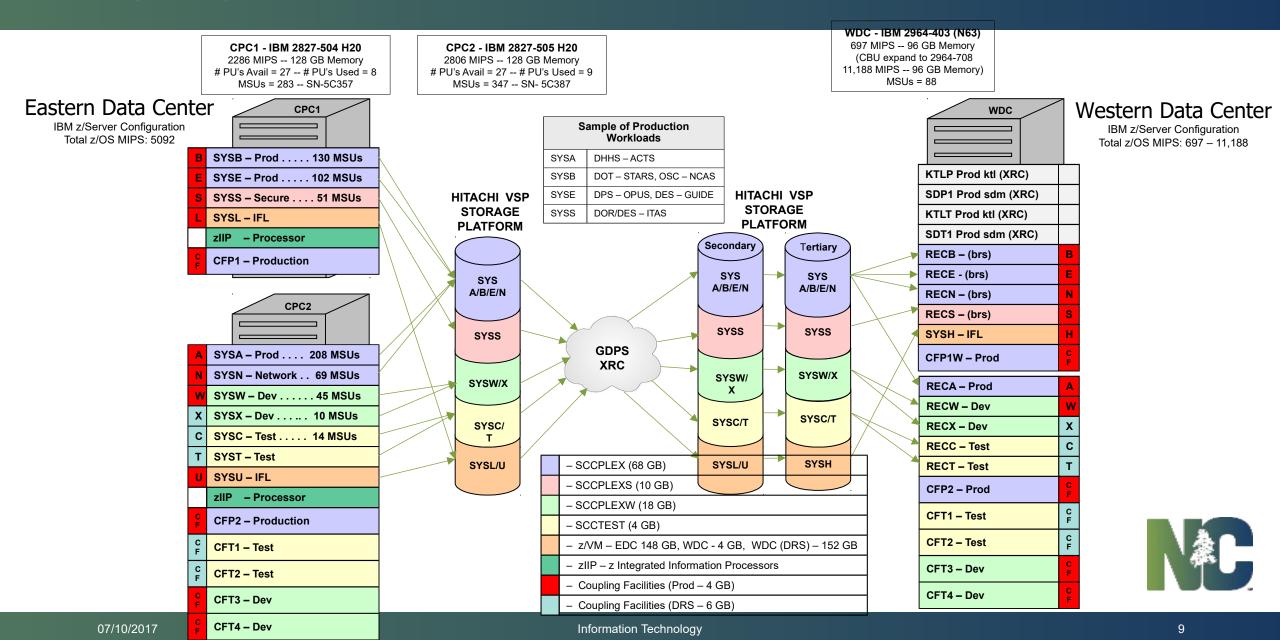
Problem Management seeks to prevent incidents from reoccurring and minimize the impact of incidents that cannot be prevented. It is both proactive and



Network

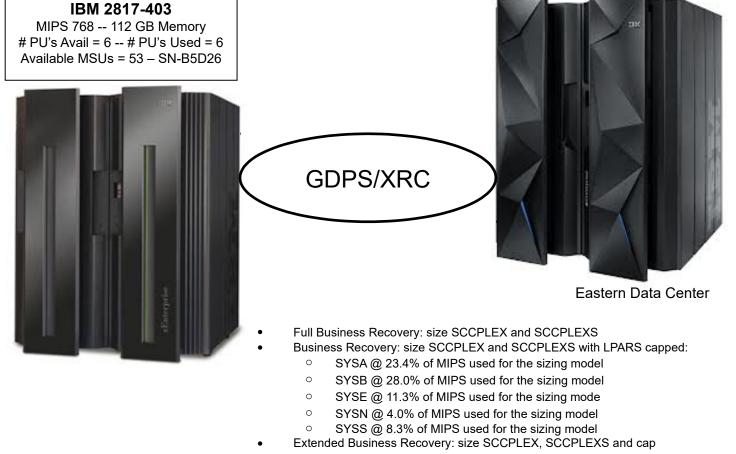


DIT Mainframe System Structure



Hosting Services Environments – Mainframe DR

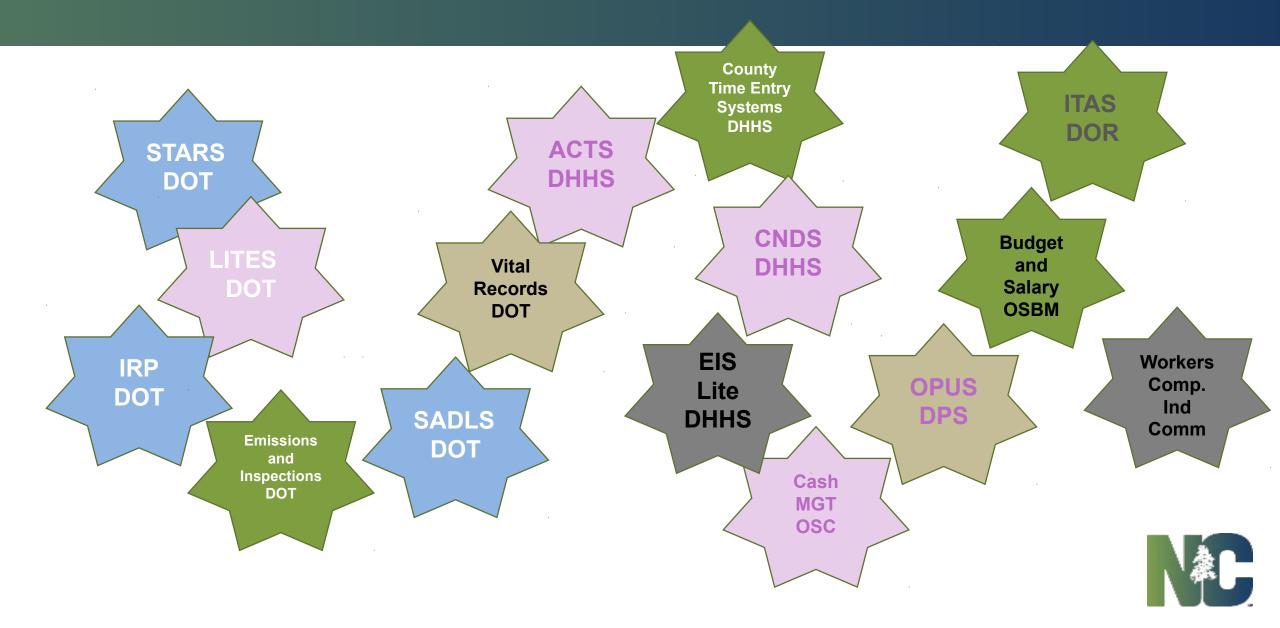




SCCPLEXW @ 20%

Full Recovery: size SCCPLEX, SCCPLEXS and SCCPLEXW.





System z Environment

Strengths

System z applications are stable and scalable Well-defined day-to-day operational processes

Business recovery/disaster recovery supports rapid recovery in case of an incident

Favorable view of System z as consolidation platform for Oracle databases by some agencies

Reliable and Secure

around System z

Houses large amount of citizen and agency data (EDC ~= 60TB out of 3.1PB and in WDC ~= 120TB out of 2.1PB)

Opportunities

Newer System z technology makes getting current more compelling – later software versions run better on newer hardware

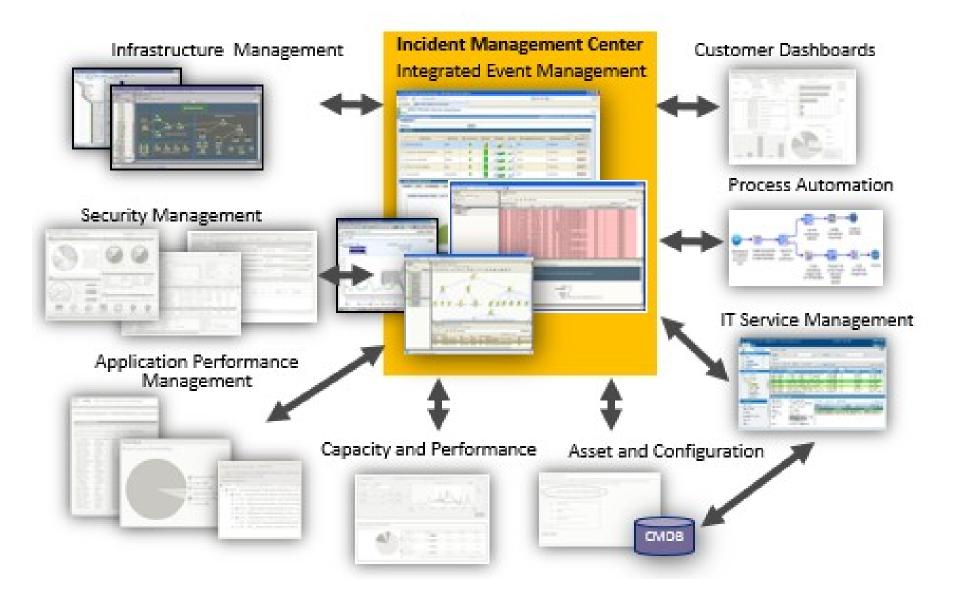
New workload opportunities for System z – new applications and server consolidation on Linux for z

- Opportunity to modernize Vehicle Registration applications (STARS, LITES, IRP) would revitalize the applications
- Improved billing/chargeback model could make System z more/most cost competitive shared platform

Supports Distributed Hosting Services Great Transaction Capability

Each Year's Goal Reduce Overhead Hybrid Cloud Services

NCDIT Enterprise Integrated Incident Management Center





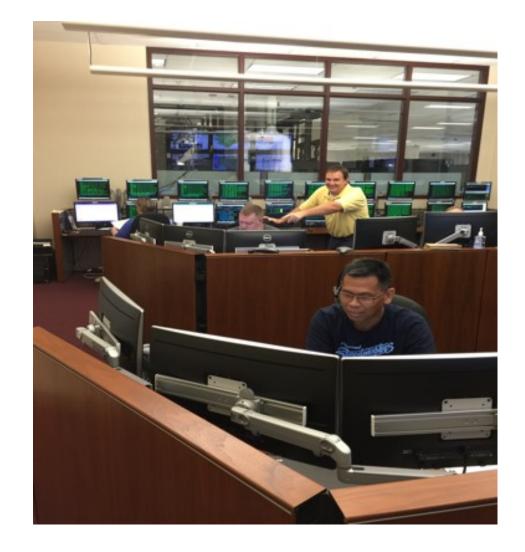
The NCDIT Incident Management Center Before Redesign





The NCDIT Incident Management Center After Redesign







Continuing the Conversation



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