

SDC Consolidation Architecture Project

<b>Title</b>	SDC Consolidation Architecture Project
<b>Sponsor</b>	Mark Reyer
<b>Project Mgr</b>	Claudia Light
<b>Purpose &amp; Expected Results</b>	Assess the existing technical architecture at the SDC; determine the desired target architecture; identify, plan and implement the projects to create the production infrastructure for the consolidated architecture, including ongoing architectural governance. This project will also generate a slate of additional projects to be accomplished in the 07-09 biennium.
<b>Project Success Metrics</b>	<ul style="list-style-type: none"> <li>• A full assessment of software on all computing platforms (iSeries, mainframe, AIX, Windows) will be completed</li> <li>• Architecture methodologies and templates will be defined for inclusion in project planning</li> <li>• Technical principles for the target architecture will be defined</li> <li>• Target Technical Standards and will be defined and communicated</li> <li>• Target policies will be defined and communicated</li> <li>• Domain specific and cross-domain AS-IS and target architectures (platforms, products, services, organizational structure, and staffing) will be identified and documented</li> <li>• Foundational elements of the target architecture will be implemented and an action plan for follow-on projects for migration to that target architecture will be defined</li> <li>• Architecture touch points will be mapped to SDC processes and architecture roles will be integrated into existing and new SDC processes</li> <li>• Define, track &amp; report consolidation metrics that will result from architecture</li> </ul>
<b>Cost Justification</b>	<p>Standardization, consolidation and automation are three of the strategies that will be applied to the SDC Consolidation Architecture to reduce overall operational costs. Potential savings will be identified throughout this project.</p> <p>Initial costs for this project are staff related. They depend on the size of the team chosen to work on this project.</p> <p>Hardware and software costs for this project will depend on the foundation elements of the target architecture chosen for implementation.</p>
<b>Alignment*</b>	The project and the target architecture are intended to provide consolidation and shared services that will help the SDC meet the goal of providing the same or better service at a reduced cost

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<b>Scope*</b>	<p>This project will look at technical and process architecture in the following domains:</p> <ul style="list-style-type: none"> <li>• Distributed Systems</li> <li>• Storage</li> <li>• Network/Security/Voice Services</li> <li>• Enterprise (iSeries, zSeries, pSeries)</li> <li>• Plans and Controls (Business Controls &amp; Customer Services)</li> <li>• Operations and Customer Support Center</li> </ul>
<b>Customer Impact</b>	<p>This project will have minimum customer impact from a technology service delivery perspective, during its execution. SDC staff removed from their current duties to participate on the architecture team may be back filled to maintain workload consistency.</p> <p>This project will be worked internally at the SDC until the target architecture design is ready to be communicated. However, if customers want to volunteer technical, project coordination, or process analyst resources to work on this project, they would be most welcome.</p>
<b>Key Stakeholders</b>	<p>The outcome of this project will require customer participation when migrating to these target architecture. This will be part of the follow-on projects.</p> <p>SDC Sponsor – Mark Reyer          Project Steering Committee - SDC Management Team          SDC Architect – Kurtis Danka          SDC Strategic Project Program Manager – Sarah Miller          Architecture Team – SDC Technical Team Leads          SDC Project Managers for Technical Domain Areas          SDC Customers</p>

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<b>Expected Duration &amp; High Level Milestones</b>	<p>Expected duration of this project is ??</p> <ul style="list-style-type: none"> <li>• Initial Strategies and Action Plan (shows how we got here and what is in progress now)</li> <li>• Completed product assessment by domain</li> <li>• SDC Architecture principles document</li> <li>• SDC architecture policies</li> <li>• SDC technical standards</li> <li>• Domain Architecture Document (shows AS-IS, domain specific governance, target, and roadmap)</li> <li>• Architecture touch points in SDC processes map</li> <li>• Cross-Domain Target and Roadmap document</li> <li>• Customer Road show to market target architecture and roadmap</li> <li>• Consolidated list of Architecture Projects with anticipated schedules</li> <li>• Consolidated list of services and processes to change or be created</li> <li>• Lab for conducting proofs-of-concept and small-scale testing</li> <li>• Target architecture foundation environment (ready for customers to migrate to)</li> <li>• Functional Configuration Management Data Base for use by SDC processes</li> <li>• Chartered Architecture Review Board</li> <li>• Architecture templates for use in SDC projects</li> <li>• Updated strategies and action plan</li> <li>• SDC consolidation metrics defined</li> </ul>
<b>Funding Source</b>	<p>Funding will come from CNIC COP funds if still available and applicable, remainder will come from SDC operating funds</p>

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The project will follow the SDC standard project management structure. Major phases of the project are described below. Portions of these phases may run simultaneously.

### **Project Approach\***

- Assess “AS IS” environment in terms of hardware and software, services, processes, organization & staffing
  - Define Architecture Principles, Policies, and Technical Standards
  - Conduct domain strategy sessions to design the target domain architecture in terms of platforms, services, processes, organization and staffing
  - Design the target cross domain architecture
  - Define the roadmap to reach the target architecture
  - Implement the foundation of the target architecture in terms of hardware and software, services, processes and organization
  - Create the architecture governance structure to provide project and ongoing oversight of the SDC Consolidation Architecture
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### **Major Project Risks**

- Technical resources selected for this project may not have sufficient breadth of experience to cover all the areas needing to be considered
  - Technical resources may be needed for operational issues reducing their time to commit to this project
  - Funding for major acquisitions that may be an outcome of this project may not be readily available
  - Procurement of foundational hardware and software for the target architecture may be impacted by higher priority projects already underway
  - Vendors will try to influence the outcome of architectural choices to favor selection of their products
  - There could be false starts in design and implementation if proposed domain targets do not integrate well
  - Customers may not support the target architecture that will be proposed
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**Risks of not doing the project** SDC cannot meet return on investment point anticipated by the legislature and SDC customers  
 Costs to customers increase as the SDC expands its server farm and other facilities to meet new customer requirements. Expansion of SDC assets requires expansion of staff to support the assets.

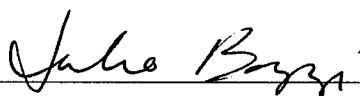
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**Overall Assessment** Architecture planning projects are simple in concept, but can be quite complex if not well organized and executed. Complexities will exist because team members will be urged to think outside the box to possibilities that they have not experienced before. Planning the implementation of the foundational pieces of the target architecture could be slowed because of learning curves for new technology. Overall, the complexity of this project is estimated to be medium.

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**Sponsor Approval Signature**  \_\_\_\_\_ 7/30/07  
 Mark Reyer – SDC Administrator Date

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**SDC Approval Signature**  \_\_\_\_\_ 7/27/07  
 Julie Bozzi – Deputy Administrator Date

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\* Optional

