Nebraska Information Technology Commission

Project Proposal Form

**New or Additional State Funding Requests
for Information Technology Projects**

Project Title	**Enterprise Security**
Agency/Entity	**IMServices - Statewide**

About this form…

This form is to be completed for all technology projects for which new or additional funding is requested from the Nebraska Legislature. An expanded description of the requests for which this form needs to be completed is available at http://www.nitc.state.ne.us/forms/.

For questions or comments about this form, contact the Office of the CIO/NITC at:

    Mail: Office of the CIO/NITC
             521 S 14th Street, Suite 200
             Lincoln, NE 68508
    Phone: (402) 471-3560
    Fax: (402) 471-4608
    E-mail: info@cio.state.ne.us

Completed forms should be submitted as an e-mail attachment to info@cio.state.ne.us or on paper to the address above.

Section I: General Information

Project Title	Enterprise Directory Services and Security Infrastructure
Agency (or entity)	IMServices - Statewide

Contact Information for this Project:

Name	Kevin Keller
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City, State, Zip	68509
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Section II: Executive Summary

Provide a one or two paragraph summary of the proposed project. This summary will be used in other externally distributed documents and should therefore clearly and succinctly describe the project and the information technology required.

An Enterprise Security Solution will provide:

Security and Confidentiality of non-public information on the web in a cost-effective and efficient way.

Self-service, integration of information and services, and elimination of time, distance and availability of staff as constraints to provide information and services.

Citizens to do secure business from any place and at any time.

Improved services and increased efficiency and effectiveness of government operations through collaboration, communications and data sharing between government agencies at all levels.

State agencies and local governments to provide integrated access to information and services to citizens, businesses, employees and other government entities.

Section III: Goals, Objectives, and Projected Outcomes

1. Describe the project, including: specific goals and objectives; expected beneficiaries of the project; and expected outcomes.

    Will provide a secure environment for doing e-government/e-business through a centrally managed, agency controlled repository for identify information, a centrally managed, agency controlled repository of security information, standard authentication and authorization services, integration of disparate information and technology, and single sign-on authentication. HIPAA will require an enterprise security infrastructure as described to meet federal regulations.

2. Describe the measurement and assessment methods that will verify that the project outcomes have been achieved.

    Input from the agencies that we have met the 5 points outlined in the Executive Summary and that we pass HIPAA certification.

3. Describe the project's relationship to your comprehensive information technology plan.

    NA

Section IV: Project Justification / Business Case

Please provide the project justification in terms of tangible benefits (an economic return on investment) and/or intangible benefits to the agency or public. The narrative should address the following:

1. Tangible benefits: Economic cost/benefit analysis.

An Enterprise Solution will reduce overall state wide costs for the following reasons:
1. Eliminate hardware duplication
2. Eliminate software duplication
3. Reduced support personnel

2. Intangible benefits: Benefits of the project for customers, clients, and citizens and/or benefits of the project for the agency.

   Linking Government information that will provide ease of access, integrity, availability and confidentiality through:
   1. Single Point for Identification/Authentication
   2. Graded Authentication
   3. Delegated/Distributed Administration
   4. Intrusion Detection and Event Correlation
   5. User Self-Service
   6. Use of Standard Approaches
   7. HIPAA Compliance

3. Describe other solutions that were evaluated, including their strengths and weaknesses, and why they were rejected. Explain the implications of doing nothing and why this option is not acceptable.

   There were no other solutions for the Enterprise Security Infrastructure evaluated, but IBM Global Services did evaluate and recommend tools that would provide an integrated Enterprise Security Infrastructure. See IBM Global Services Directory Services and Security Infrastructure White Paper for more details.

   Doing nothing will cause each agency to create an independent solution to solve the problems identified throughout this document. Hardware, Software, and Personnel costs would be duplicated in each agency.

4. If the project is the result of a state or federal mandate, please specify the mandate being addressed.

   HIPPA regulations requires strict authentication and authorization of individuals and entities to access Medicaid information.

Section V: Technical Impact

Describe how the project enhances, changes or replaces present technology systems, or if new systems are being added. The narrative should address the following:

1. Descriptions of hardware, software, and communications requirements for this project. Describe the strength and weaknesses of the proposed solution;

   There are five components that will be integrated to build the Enterprise Security Infrastructure:
   1. Directory Services
   2. Meta-Directory
   3. Single-Signon
   4. Application Portal Services
   5. Security Rules Management

A description of each component is described below:

Directory Services is the repository of centralized individual information and their Authentication Credentials. Authentication Credentials are the individuals user access profiles and the security management foundation.

Single Sign-on will allow citizens a single Id and Password to gain access to Government Information. It will allow State Employees a single ID and Password to gain access to their resources such as TSO, Notes, NT, AS400 and their Applications. Single Sign-on will provide an easier password management process.

Meta-Services will keep centralized and decentralized directories and data synchronized will facilitate Cross agency data sharing and reduce data duplication.

Application Portal Services will allow IMServices and Agency Administrators control of security and application access. It provides a single entry point for administration and provides tailored menu's according to an individual's need and security level.

Security Rules Management controls user behavior through role based security, find grain authorization, limits unauthorized intrusions and reduces costly and sophisticated intrusion detection tools.

Depending on how these tools are architected, there will probably need to be two large servers supporting these tools and two large servers for backup and redundancy.

The current State Communications network will not need to be changed to support this Infrastructure.

2. Issues pertaining to reliability, security and scalability (future needs for growth or adaptation);

IBM Global services recommendations in the Enterprise Security Solution considered reliability, security and scalability issues as they made the recommendations for the underlying tools of the Enterprise Security Infrastructure. See IBM Global Services Directory Services and Security Infrastructure White Paper for more details.

3. Conformity with applicable NITC technical standards and guidelines (available at http://www.nitc.state.ne.us/standards/) and generally accepted industry standards;

This project will meet all the applicable NITC security standards and guidelines and mainstream Industry standards.

4. Compatibility with existing institutional and/or statewide infrastructure.

This project will be compatible with the state wide infrastructure.

Section VI: Preliminary Plan for Implementation

Describe the preliminary plans for implementing the project. The narrative should address the following:

1. Identify project sponsor(s) and examine stakeholder acceptance;

The meetings with the Technical Panel and State Government Council during the week of January 7th is to gain stakeholder acceptance.

2. Define the roles, responsibilities, and required experience of the project team;

IBM working closely with IMServices staff will be providing project plans and technical assistance with the implementation of the Directory and Directory Services that includes Single Sign- on, Meta Directory, Security Rules Management and the Application Portal Services.

3. List the major milestones and deliverables for each milestone;

Directory Implementation in a Lab Environment in IMServices.
1. Acquire Consulting Services
2. Acquire Software
3. Analyze and Design of the Infrastructure
4. Implementation of the Directory
5. Training on the Directory

Directory Services in a Lab Environment in IMServices:
1. Acquire Consulting Services
2. Acquire Software
3. Analyze and Design interfacing Directory Services into the directory
4. Implementation of Directory Services
5. Training on the Directory Services

State Wide rollout for selected Agencies:
1. Analyze Agency needs
2. Work with Agency during Implementation
3. Train Agency staff

4. Training and staff development requirements and procedures;

IBM Global Services will work closely with IMServices staff during setup and implementation of the directory and directory services.
IMServices will work closely in assisting Agencies with tying into the directory and directory services.

5. Ongoing support requirements, plans and provisions.

Licenses for each of the five components described throughout this document will be purchased and maintained at IMServices through an Enterprise Contract with IBM and Novell. Those licenses will be distributed to each agency as they are needed. How those costs will be distributed back to the agencies are not determined at this time.

Section VII: Risk Assessment

Describe possible barriers and risks related to the project. The narrative should address the following:

1. List the identified risks, and relative importance of each;

A. The State has never done a security project of this magnitude and complexity before.
B. Agency Acceptance.
C. Culture Change to adopt to new processes and tools within the state.

2. Identify strategies which have been developed to minimize risks.

    A. Consultants with expertise in building Enterprise Security Infrastructures of this magnitude and complexity will assist IMServices in the Development and Implementation of this project. IMServices standard Project Management processes and procedures will be followed during this project.
    B. Education through materials, meetings and presentations are underway.
    C. Security Awareness training that Jerry Hielen and the CIO's office is currently working on will be provided to 500 State Employees.

Section VIII: Financial Analysis and Budget

1. Financial Information

    Financial and budget information can be provided in either of the following ways:

    (1) If the information is available in some other format, either cut and paste the information into this document or transmit the information with this form; or

    (2) Provide the information by completing the spreadsheet provided below.

    Instructions: Double click on the Microsoft Excel icon below. An imbedded Excel spreadsheet will be launched. Input the appropriate financial information. Close the spreadsheet. The information you entered will automatically be saved with this document. If you want to review or revise the financial information, repeat the process just described.

    Excel Spreadsheet
    (Double-click)

2. Provide any on-going operation and replacement costs not included above, including funding source if known:

    All known costs are included in the above spreadsheet.

3. Please indicate where the funding requested for this project can be found in the agency budget request, including program numbers. Also, please provide a breakdown of all non-state funding sources and funds provided per source.

    The Laboratory/Pilot funding is included in the IMServices Budget.
    Future Enterprise Funding sources are yet to be determined.

Project Title:
Agency/Entity:

(Revise dates as necessary for your request.)

	Estimated Prior Expended	Calendar Year 2002 (Year 1)	Calendar Year 2003 (Year 2)	Calender Year 2004 (Year 3)	Request for FY2006 (Year 4)	Future	Total
1. Personnel Costs (a)		$ 105,000.00	$ 100,000.00	$ 100,000.00			$ 305,000.00
2. Contractual Services		$ 300,000.00	$ -	$ -			
2.1 Design							$ -
2.2 Programming							$ -
2.3 Project Management							$ -
2.4 Other							$ -
3. Supplies and Materials							$ -
4. Telecommunications							$ -
5. Training							$ -
6. Travel							$ -
7. Other Operating Costs							$ -
8. Capital Expenditures (b)							
8.1 Hardware		$ 60,000.00	$ -	$ -			$ 60,000.00
8.2 Software		$ 1,261,800.00	$ 343,500.00	$ 428,500.00			$ 2,033,800.00
8.3 Network							$ -
8.4 Support Contracts		$ 125,000.00	$ 125,000.00	$ 125,000.00			$ 375,000.00
TOTAL COSTS	$ -	$ 1,851,800.00	$ 568,500.00	$ 653,500.00	$ -	$ -	$ 3,073,800.00
General Funds							$ -
Cash Funds							$ -
Federal Funds							$ -
Revolving Funds							$ -
Other Funds							$ -
TOTAL FUNDS	$ -	$ -	$ -	$ -	$ -	$ -	$ -

NOTES:

(a) If new FTE positions are included in the continuing costs/request, please provide a breakdown by position, including separate totals for salary and fringe benefits, on a separate sheet.

(b) Please itemize equipment on a separate sheet.