

# Geospatial Data Access, Hosting and Map Viewer Services

(A component of the NebraskaMAP Enterprise GIS/Geospatial Platform)

December 11, 2014

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## 1. Rate

\$117 per User per Month  
(\$1,404 per User per Year)

## 2. General Overview:

This service provides access to and hosting of geospatial data, geoprocessors, geolocators, and other web-based mapping services. It provides user's access to our web map viewer development application called Geocortex Essentials.

This service is a component of the NebraskaMAP enterprise GIS/Geospatial platform. The OCIO GIS Shared Services team hosts and delivers geospatial content, web services, location based services (LBS), and other applications through this platform. User agencies can integrate enterprise-level Geographic Information Systems (GIS) and geospatial data with map capabilities and spatial content into new or existing websites and applications from our hosted geospatial data, geoprocessors and viewers. Access to this data and services enhances traditional analytics and decision support tools by providing a geographical/spatial context and meaning to information.

## 3. Service Description:

### Geospatial Data Access and Hosting

The following features are available for accessing and hosting data through NebraskaMAP:

- Searchable Data
- Metadata resources and support
- Base Maps for Nebraska
- Representational State Transfer (REST) service
- SDE/SQL data connectivity
- ArcGIS Online data storage
- Geoprocessing tools and geolocators
- Customized and Direct Data Download

NebraskaMAP is the official enterprise clearinghouse of geospatial data for Nebraska. It includes the Nebraska Spatial Data Infrastructure (NESDI), other shared data among state agencies, and hosting

of secure or private data for specific end users via other agency or third party license agreements (e.g. HSIP, Addresses). Example NESDI data layers available include:

- Geodetic and Survey Control
- Imagery
- Elevation (LiDAR)
- Street Centerlines / Transportation Information
- Addresses
- Political Boundaries
- Land Records (Parcels)
- Land Use
- Soils
- Hydrography
- Groundwater
- Watersheds

Data stewards that support the various geodata layers participate in sharing the data for public and internal use by making data available through the clearinghouse and other components of the platform. The NESDI data sets and metadata are also available through NebraskaMAP. Data can be obtained via secure electronic file share or via secure web services. User agencies can access the geodata either through direct file share, desktop GIS applications or web-based applications.

We provide metadata hosting along with the data. The geodata framework and cataloging of data meets Federal metadata standards. Data can be searchable and accessed by user agencies to conduct their own spatial analysis for decision making and reporting.

This service does not include data development or maintenance or assistance with creating data, metadata, or preparing spatial analyses. Geospatial Data and Web Service consulting support and other one-time services are other offerings of OCIO GIS Shared Services and are billed to the respective agencies.

### *Map Viewer Services*

Another added feature of this service is access to the map viewer development application called Geocortex Essentials. It is designed to leverage NebraskaMAP and other geospatial data layers simultaneously for end users to navigate, analyze, edit, report, export, and print endless scenarios available from the data in the map viewer. It provides intuitive and easy to build web-based GIS mapping applications for various end-user screen resolutions, mobile platforms (ie, tablet, iOS, Android) and APIs.

The following are key features of this tool.

- Supports developer APIs using JavaScript, Silverlight, REST, Flex and .NET.
- Integrates secure user authentication and management through Active Directory, LDAP, and ArcGIS Online either to the viewer or to just certain data layers.
- Provides a dedicated instance to every state agency or project.
- It handles intranet and public access to mapping viewers using HTML, JavaScript, Flex, and Silverlight.

- Provide GUI-based management tools to make configuration and customization of web mapping applications.
- Connects to other databases and the Enterprise Content Management (ECM) system.
- Provides necessary tools to support printing, reporting, database linking, enhanced security and search features.
- Ability to integrate with MS SQL and ArcSDE for database development and functionality of end-users to edit geospatial data within the viewer.
- Ability to customize reporting of data from a Map view that also allows users to print to PDF and other formats.
- Ability to develop web mapping viewers pulling from REST and other web features services from various locations.
- Value-add existing data layers and tools by using workflows.
- Enable published Geoprocessing services to run certain functionality within the map.
- Premade and available templates for various web mapping viewer examples.
- Technical support through OCIO GIS Share Services and through the vendor's web site using online, forums, and discussion threads.

#### **4. Roles and Responsibilities:**

OCIO GIS Shared Services responsibilities include: processing invoices, coordinating and publishing data services, scheduling and coordinating appropriate planning meetings and training, testing and implementation of new software and data, and resolving production processing problems.

Responsibilities of the customer include providing billing information, providing the name of a technical contact, providing data storage and web service needs, fulfilling NITC 3-201 Geospatial Metadata Standards (<http://nitc.ne.gov/standards/3-201.html>), and participate in training on using the service.

#### **5. Requesting Service**

Contact the OCIO Help Desk (402-471-4636 or [cio.help@nebraska.gov](mailto:cio.help@nebraska.gov)) with any questions or to request service.

The following information is needed when ordering service:

- 1** – Job Code / Work Order. The OCIO needs at least one Job Code / Work Order combination so charges can be billed back to the agency. Some agencies use multiple JC/WO combinations, so more than one combination might be needed.
- 2** – Name of a Technical Contact. Who is the GIS technical person within your agency engaged in using these services?

#### **6. Billing Information:**

The fee structure for this service is based on a percentage of users across all agencies using GIS. The fee is \$117 per user per month. This fee goes toward maintaining the enterprise geospatial/GIS platform, software licensing, and other hosting costs for the data, viewers and applications.

The Office of the CIO uses a system of Billing Accounts, Job Codes and Work Orders for authorizing work and tracking costs for specific projects. The customer may designate which job code and work order to use or request a new job code and work order. Contact the Office of the CIO for assistance with developing a cost accounting structure that meets the needs of the agency.

## **7. Service Hours, Response Times and Escalation:**

Report problems to the OCIO Help Desk by calling 402-471-4636 or for less urgent problems, direct e-mail to: [cio.help@nebraska.gov](mailto:cio.help@nebraska.gov).

NebraskaMAP operates 24x7 and downtime is tracked by the Weekly Availability Report. There has not been any unscheduled downtime occurrences. Minimal service updates and changes that have little impact on users are conducted between 1-4am CT on weekends. Other major service updates and changes that impact users will be scheduled based on input from affected users.

As technologies change, so will the methodology of service delivery. Customers will be made aware of these changes and be able to provide discussion and recommendations to OCIO GIS Shared Services.

### **For further information, please contact:**

**Office of the CIO Help Desk**  
**[cio.help@nebraska.gov](mailto:cio.help@nebraska.gov)**  
**402-471-4636 or 800-982-2468**