

Geospatial/GIS Enterprise

*For Geospatial Data Access, Hosting and
Map Application Viewer Services*

Geographic Information Office

May 29, 2018

Rate

The cost rate can be found (http://www.cio.nebraska.gov/sla/pdf/RPT5_WEB_RATES_PUBLISHED.pdf).

Geospatial/GIS Enterprise can be billed as one of the following debit codes: 335, 336, 337, 338.

General Overview

The Geospatial/GIS Enterprise cost rate is designed for agencies to utilize GIS to achieve their mission and objectives. This service is a component of the Geospatial/GIS Enterprise platform. The OCIO Geographic Information Office (GIO) hosts and delivers geospatial content, web services, location based services (LBS), and other applications through this platform. Participating 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.

Service tiers are based on the organization's number of GIS licenses, the agency's GIS maturity level, how GIS is currently used by the organization, and the amount of resources they consume. Tiers 2 and 3 include user licenses, if they are co-terminus or if the agency currently has GIS desktop software their software maintenance would be added on to the monthly published rates. The need for these types of service levels depend on the type of work and resources that would be required to fulfill the organization's mission. Any GIS desktop licenses used by state agencies will be ESRI's ArcGIS products, the GIS software for the state of Nebraska.

The following is a summary of the service level tiers. These are what we consider to be standard, but there *could* be exceptions:

Tier 1- Single Non Complex web application project.

Defined as projects for an agency that has no GIS capacity, and helps the organization develop a web mapping application to see the benefits that GIS can provide. These are simple projects with low complexity and very little maintenance.

Tier 2- Entry Level – Based on 1-2 GIS desktop license and have or create less than 1 GB data storage needs.

Tier 3- Intermediate Level – Based on 2-7 GIS desktop license and have or create 1 - 3GB GIS data storage needs.

Tier 4- Advanced Level – Based on more than 7 GIS desktop user licenses and have or create more than 3GB of data storage needs.

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Service Details

Data can be obtained via secure electronic file share or via secure web services. Participating agencies can access the geodata either through direct file share, desktop GIS applications or web-based applications.

The Geospatial/GIS Enterprise includes access to your organization/agency project data, the Nebraska Spatial Data Infrastructure (NESDI), other shared data among state agencies. It also includes 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 and Administrative Boundaries
- Land Records (Parcels)
- Land Use
- Soils
- Hydrography
- Groundwater
- Watersheds

The Enterprise platform supports NebraskaMAP, the official enterprise clearinghouse of geospatial data for Nebraska. Data and map applications that need to be accessible to the public will be registered through NebraskaMAP. NebraskaMap also supports hosting the metadata along with your data. The geodata framework and cataloging of data meets state and ISO 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 additional customization to data, map applications, and geoprocessing tools for your project. Custom geospatial data and web service consulting support and other one-time services are other offerings of OCIO Geographic Information Office and are billed to the respective agencies.

Map Application Viewer Services

(Tiers 2, 3 and 4) Users gain access and connect data with map application viewers using Geocortex Essentials, ArcGIS Online, and an ESRI Imagery Solution. This is designed to leverage the Geospatial/GIS Enterprise data layers simultaneously for end users to navigate, analyze, edit, report, export, and print endless scenarios available from the data in the necessary online map applications. Geocortex and ArcGIS Online provide intuitive and easy to build web-based GIS mapping applications for various end-user screen resolutions, mobile platforms (i.e., tablet, iOS, Android) and APIs.

The following are key features of these services:

- Integrates secure named user authentication and management through Active Directory or LDAP to the necessary map application viewers or to just certain map service data layers.
- Each application provides a dedicated instance to every state agency or project.
- The map applications viewers support and integrate with custom HTML and JavaScript.
- Geocortex and ArcGIS Online provide GUI-based management tools to make configuration and customization of web mapping applications.
- Connects to other databases (e.g., MS SQL, Enterprise Content Management (ECM))
- Provides necessary tools to support printing, reporting, database linking, enhanced security and search features.

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- 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 web map and feature services.
- 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 Geographic Information Office and through the vendor's web site using online, forums, and discussion threads.

Roles and Responsibilities

The OCIO Geographic Information Office responsibilities include:

- Secure File Server access to data
- File and Enterprise Geodatabases
- SDE/SQL data connectivity
- Searchable Data
- Metadata resources and support
- Base Maps for Nebraska
- Geocoding Services
- ESRI Enterprise Advantage Program (once implemented/contracted)
- Web Map and Feature Service layers (e.g., WMS, REST)
- Geocortex Serve Software
- InfoGroup Demographic data
- Access to 1 spatial software
- Processing invoices
- Desktop software maintenance will be a lump sum annual rebill based on maintenance due date until the licenses are co-terminus.
- 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 participating agency

- Customer will provide 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.
- Addressing any Web Application issues in a timely manner when notified

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Requesting Service

To start using this service, login to the Enterprise Service Portal and create a general Service Request for geospatial data access, hosting or map application viewer services.

The following information will be needed when ordering the service:

- Requesting Agency
- Account Name
- Email Address
- Job Code and Work Order Number

The Enterprise Service Portal can be located here: <https://serviceportal.ne.gov>

Service Expectations, Support, Hours and Availability

Any issues with using these services may be reported to the OCIO Service Desk by creating an Incident Request in the Enterprise Service Portal. Incidents related to these services will be assigned to a GIO analyst.

NebraskaMAP operates 24x7 and downtime is tracked by the Weekly Availability Report. 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 GIO.

Cost and Billing Information

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

**For further information, please contact:
The Office of the CIO Service Desk**

Request this Service: <https://serviceportal.ne.gov>

cio.help@nebraska.gov

402-471-4636 or 800-982-2468