
Version notes / Read me

GEOCONCEPT SAS

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This documentation concerns version 2021.0.x of Geoconcept Web.

New features list

New features in Geoconcept Web 2021

New features in Geoconcept Web 2021

(fr) Les principales innovations

(fr) Designer - Couches vectorielles Refonte des styles, ajout dans l'interface de l'édition des libellés, utilisation des filtres qui peuvent être utilisés, par exemple, pour construire des représentations de thématiques. Il est nécessaire de migrer les styles créés depuis les versions antérieures voir [ici](#).

(fr) Designer - Couches tuilées Appliquer un filtre de couleur sur les couches : sombre, niveau de gris, sépia, bleu ...

(fr) Portail Définition de filtre pour les couches vectorielles, disponibles pour les utilisateurs des portails depuis le gestionnaire de couches avancés.

(fr) Widget Infobulle Nouvelles fontions : fenêtre détachable, choix de la couleur des objets sélectionnés, interrogation des objets "traversants", filtre sur les couches.

(fr) Mais aussi

(fr) Architecture - Librairie d'affichage Migration vers Openlayer 6 du portail et des pages d'administration.

(fr) Architecture - Base de données Optimisation de l'utilisation de versions récentes de PostgreSQL et PostGIS.

(fr) Architecture - Base de données Optimisation de l'utilisation de versions récentes d'Oracle.

(fr) Architecture - Base de données Optimisation de l'utilisation de versions récentes de SQL Server.

Administration - licence: New licence manager page.

Administration - licence: New licence manager page.

Administration - licence: New licence manager page.

Administration - licence: New licence manager page.

(fr) Designer - Couches Le menu couche est déplacé dans le Designer pour faciliter les manipulations lors des créations des portails.

(fr) Designer - Rapports Les fichiers importés sont désormais listés dans cette page.

Assistant - Layers: Filter search for layers.

(fr) Widget - Dupliquer Nouveau widget pour dupliquer des objets dans le portail.

Assistant - Layers: Filter search for layers.

(fr) Widget - Isochrone - Buffer - Cercle Ces 3 widgets ont un comportement unifié : 1 - il n'est pas nécessaire de stocker les géométries dans une table, 2 - pour supprimer les objet créés avec ces widgets utiliser le widget Supprimer des objets vectoriels disponible dans la famille Edition de données.

(fr) Widget - Sélection par rectangle, cercle ou polygone Sélection multiple avec la touche Ctrl, en cas de superposition de couches choix parmi les disponibles.

(fr) Portail Relooking portail du bandeau latéral droit

New features in Geoconcept Web 2021

New features in Geoconcept Web 2021 SP2 (2021.0.28)

This version features bug correction only.

New features in Geoconcept Web 2021 SP1 (2021.0.25)

Administration - licence: New licence manager page.

Administration - Tiled layers - Webmaps: Simplification of connections to mapping web services (WMS, WMTS, Here, Bing, Geoconcept).

Assistant - Layers: Filter search for layers.

Widget Queries: Multi-project query creation.

Install - De-install: A back-up mechanism has been added for configuration files.

New features in Geoconcept Web 2021 (2021.0.9)

Component - Geocoding: New file format for geocoding. Old *.UGC files are no longer supported in this version of Geoconcept Web (cf. [Updating old versions](#)).

Administration - Appearance: The style of administration pages has been revised and significantly modernized, and the menu and Home page have also been reorganised.

Administration - Layers: Multiple selection of tiled layers and vectors to facilitate deletion, sorting and filtering on layers.

Administration - Tiled layers: Back-up of polygons used to generate a cache.

Administration - Tiled layers - Webmaps: connection to mapping web services (WMS, WMTS, Here, Bing, Geoconcept).

Administration - Vector layers: sequencing of fields using drag-and-drop, and a *display* parameter has been added for editing SLD styles and performing a search around.

Administration - Vector layers - Styles: Point colours can now be edited.

Administration - Web services: connection now available to web services suggested by Geoconcept (geocoding, autocomplete, Route calculation, isochrone calculation ...).

Administration - Cache: Cache size display for each layer/map scale, options to delete cache elements via a hierarchical tree, single click delete option to delete all caches.

Administration - Annotation: New style editor.

Administration - Parameters: Commonly used parameters can now be configured in a dedicated page.

Administration - Tools: A new page has been added for tracking consumption for different web services.

Administration - Documentation: Documentation pages are now opened in a new tab.

Administration - About: New information page (version, licence).

Assistant - Choice of packs: This redundant step has been removed.

Assistant - Styles: Preview of custom styles.

Assistant - Layers: Adapted for easy manipulation of a higher number of layers, highlighted links, and automatic progression between portal layers and layers available.

Widget: Keyboard entry (Enter and Esc) to validate or close the dialogue boxes of the widgets concerned (PDF, Sharing ...)

Search around widget: New widget (in classic portal mode) to search around the centre of the screen (or of my position) the objects sourced by vector layers.

Centre Widget: New widget allowing you to insert a cross to show and fix the centre of the screen when performing a search around, for example.

Quick PDF Widget: New widget to rapidly generate PDF files.

Layer analyser widget: New widget to visualise a partial view of a layer that is not displayed.

Isochrone widget: Addition of the option to back-up, delete or select isochrones, choice of the graph to use, choice of a default colour.

Queries widget: Addition of spatial/topological queries, a filter on layers available only for the current project, an option to display or not the result list when a query has completed.

Saved Queries widget: Search for queries in the portal using autocomplete.

Infobox widget: Authorise browsing between the different objects in the case of groups of objects.

Screen dump widget: Revised to achieve faster generation.

Reset reset: Addition of an option enabling the user to choose which widgets are to be reset.

Distance widget: Greater precision for distances displayed in the map, to two decimal places.

Surface area widget: Addition of hectares a unit measure.

Note widget: Separate labels for the two widget buttons.

Mobile: Better utilisation of the space for the layers manager.

Web service - Route calculation (batch): New web service to calculate a batch of routes.

Web service - Route calculation and reverse Geocoding: Addition of new options.

Web service - WMTS: Addition of the EPSG:3857 projection for all published layers.

Installer - Licence activation: licence activation simplification, with deletion of one step.

New features in Geoconcept Web 7.5

New features in Geoconcept Web 7.5 (7.5.17)

Isochrone widget: Decimal values can now be used for distances.

Mobile: Touch screen selection has been made simpler.

Mobile: Coordinates widget now has an extra "Go to coordinates" function.

Web service Optimisation (simplified version): To add various complementary parameters.

New features in Geoconcept Web 7.5 (7.5.4)

UTF-8 - Architecture: Full porting of Geoconcept Web into UTF-8 for universal compatibility.

Administration - login not case sensitive: For the sake of consistency when using an Active Directory or a Windows domain, this is not enabled by default.

Dynamic layers: Improved display performances.

Tiled layers: Transparency handling on tiled layers with the Meta-tiles option.

Dynamic vector layers: Improved display performances.

Vector layer styles: The following displays are taken into account: display text on a line, display two colours on lines.

Routing widget: The address fields are filled in automatically when placing / moving the pins.

Web service - Route calculation, matrix calculation, isochrone calculation: Handling of parameters for speed profiles (Speed Patterns), heavy goods vehicle attributes (length, height, width, weight, number of axles, weight per axle).

New features in Geoconcept Web 7.0

New features in Geoconcept Web 7.0 (7.0.11)

Architecture - new display library: portal displays use the latest version of the OpenLayers library, offering greater fluidity and a better user experience, especially in mobile/adaptive mode.

Mobile: personalised display of copyright and scale in mobile/adaptative mode.

Mobile: addition of a rapid access mode to access a widget directly from the screen without having to use the menu.

Search around widget: this new widget performs search arounds on objects in the database and can be used in conjunction with the Tracking widget to search around the user.

Advanced layers manager widget: an intermediate status in the checkbox has been added so the user can identify whether, in a group, at least one layer is checked.

URL widget: it is now possible to read the URL of a vector layer.

New features in Geoconcept Web 6.1

New features in Geoconcept Web 6.1 SP1 (6.1.19)

Administration - centralised authentication: addition of a new unique identifier authentication (SSO) via an Active Directory or a Windows domain.

Installer - new font: addition of the *materialdesignicons-webfont.ttf* font used with version M18 of maps produced and published by Geoconcept SAS.

New features in Geoconcept Web 6.1 (6.1.10)

Administration - password strength: takes into account, or not, accounts linked to the '*Super administrator group*'.

Widget - circle creation: new creation tool that creates a circle from an object selection.

Widget - buffer creation: new tool for creation of buffers or buffer zones from an object selection.

Widget url: distinction between all the objects on the map on the one hand, and visible objects on the other (objects visible in the Geoconcept map view).

Layers - Publisher: takes Publisher virtual layers into account, whatever their origin.

Layers - Vector layer refresh: allows automated refresh of vector layers without users being obliged to refresh their browser.

Web service - Search Along: new web service that searches for the least costly detour that could be added to an existing itinerary to add a visit or intervention, ...

Web service - Pickup and Delivery: new web service that lists the best pickup/collection and drop-off/delivery solutions, whether for the transport of people or goods.

Web service - List of layers: new web service enabling retrieval of the list of published layers.

Web service - Object Geometry: new web service enabling retrieval of the geometry of objects on vector layers.

Web service - Calculation option: addition of a parameter to the route calculation web services to use routing statistics (TrafficPattern).

Web service - Route calculation: utilization of a geometry compression algorithm.

Installer - new example portal: update of data, addition of examples of autocompletion files and vector layers.

Installer - version update: new screen for updating Geoconcept Web without having to perform a full reinstallation.

Installer - cache folder: during installation, addition of the 'cache' folder to the list of folders to delete/retain.

New features in Geoconcept Web 6.0

New features in Geoconcept Web 6.0 (6.0.31)

Architecture - services: a single Windows service is now required for the application to function correctly: Geoconcept Web Tomcat. Depending on the installation choices made, the Geoconcept Web PostgreSQL service may also be present.

Architecture - HTTP/HTTPS: When installing, HTTPS activation is now possible.

Architecture - 64-bit: all components in version 6.0 of Geoconcept Web are 64-bit. The JVM (Java) must be a 64-bit version.

Architecture - new kernel: new version of the cartographic kernel is naturally multi-thread (for better performances) and multi-instance without any specific configuration of parameters.

Architecture - new drawing engine: better display quality, smoothing of all displays, better handling of transparency, provides new appearances available in Geoconcept GIS version 8 and later versions (polygons: dashed lines to represent outlines, radius effect towards the interior or exterior - lines: dashed lines to represent lines - points: utilisation of .svg format images).

Architecture - new display library: the display of portals uses the latest version of the OpenLayers library that offers greater fluidity in movements of the display, improved vector object handling, and supports high resolution displays.

Architecture - maps with 12 or 24 logical scales: utilisation of maps with 12 or 24 logical scales created with the Geoconcept GIS from version 8 upwards.

Administration - map configuration: the configuration of maps is now fully integrated within Geoconcept Web.

Administration - dissemination of maps: Geoconcept map publishing is now handled in a single directory (includes all the map's sub-directories).

Administration - cache: simplification of the Cache management interface for tiles.

Administration - centralised authentication: possibility of externalising to a third party directory the management of user identifiers and passwords, either using an Active Directory, or using unique authentication or Single Sign-On (SSO).

Administration - administration menu rights: handling of rights for more targeted groups with the addition of each module of the Administration menu independently.

Administration - My portals: lists, on the home page, portals available for each user, as dictated by their individual rights.

Layers - configuration of tiled layers: automatic creation of new layers on application start-up.

Layers - projection: addition of projection information in the pages of vector layers.

Layers - composite layer: creation of composite layers associating several vector layers.

Layers - object grouping: activates the grouping of point objects as dictated by geographic proximity for improved map legibility.

Layers - mask: creation of masks so the map can be displayed only on one geographic sector identified as a function of the rights of each individual user.

Layers - style example: provision of a library of modifiable styles for the standard appearance, the selection, and the geocoding result.

Layers - vector layers editing rights: prohibition of the editing of data via the form, and deletion of objects if the user does not have the relevant rights.

Dissemination from the Geoconcept GIS: development to conserve all layers when a portal is updated, setting up of a new mechanism to publish voluminous maps.

Isochrone widget: enables design of isochrones/isodistance in portals.

Selection widget: enables display of the current list of selected objects via a query or a selection.

Widget selection in the map: three new widgets enable selection of objects in the Geoconcept map.

Advanced layers manager widget: complete redesign of this widget that is now more comprehensive and practical to handle, integration of legends and addition of a link to the relevant metadata.

Query widget: the following developments have been implemented: query on date fields, on intervals, and addition of a notification if the query does not return any object.

PDF Printing widget: display of object information at the centre of the zone to print, and addition of a set text block.

Infobox (Tooltip) widget: new appearance of the form in the portal.

Geocoding widget: activation of '*multiple fields*' mode, that is the mode whereby each component of an address searched for (Address, Post code, Town) can be entered individually. This enables search on post code alone, for example.

Text widget: addition of the active layer.

Widget editing: integration of an editor enabling creation of new widgets.

Mobile: customisation of individual widgets between one portal in classic mode or one in mobile/adaptive mode.

Mobile - Infobox (Tooltip) widget: new appearance of the form in the portal.

Web service - secure access: addition of a key mechanism to protect access to web services.

Web service - Compact matrix calculation: development of the matrix calculation web service that returns the results in another format.

Web service - Optimization (simplified version): multiple visit windows are now handled.

Web service - Object search: addition of several parameters, search for several targets within a single call, maximum search distance, maximum number of candidates and geometries of returned objects.

Web service - Route: calculation of the route's carbon footprint.

Web service - Route, Search around, Matrix calculation, Compact matrix calculation: addition of the notion of node to speed up calculation times.

Web service - Route, Search around, Matrix calculation, Compact matrix calculation, Isochrone/ isodistance calculation: taking no-entry or restricted access zones into account.

Documentation: Direct link to various relevant Geoconcept Web documentation items.

Documentation - autocompletion: example of autocompletion file design.

SLD documentation: SLD example of how styles can be implemented to develop display handling.

New features in Geoconcept Web 5.2

New features in Geoconcept Web 5.2(5.2.12)

See on the page: Known and fixed bugs

New features in Geoconcept Web 5.2 (5.2.11)

Addition of the followings languages: German, Spanish, Japanese and Chinese.

New features in Geoconcept Web 5.2(5.2.10)

Geolocalisation Widget: automatically detects the user's geographic location and uses this information to centre the map on the user's current position.

Aggregation Widget: allows regrouping of several buttons/widgets in a single widget in order to save on space in portals.

Mobile/Responsive: new interface and improvements for easy utilisation on tablets and smartphones. The list of widgets and functionalities available in responsive mode are listed in the chapter entitled [Widgets and functionalities available with the mobile version](#).

Contextual menu: the user can centre the map, display coordinates, calculate an itinerary or return the postal address of the cursor position. In mobile/responsive mode, only the postal address of the cursor position is available.

Measurement Widget: interface change in mobile/responsive mode.

Surface area measurement Widget: interface change in mobile/responsive mode.

Capture Widget: interface change in mobile/responsive mode.

Positions Widget: interface change in mobile/responsive mode.

Capture Widget: new feature in mobile/responsive mode.

Saved Queries Widget: new feature in mobile/responsive mode.

Web Portal Widget: new feature in mobile/responsive mode.

Go to coordinates Widget: new feature in mobile/responsive mode.

Object Form Widget: addition of Next/Last buttons and new feature in mobile/responsive mode, with handling of OS recommendations for fields and dates.

Advanced layers Manager Widget: new feature in simplified mobile/responsive mode.

Geocoding Widget: new feature in mobile/responsive mode and utilisation of multiple reference tables.

Routing Widget: new feature in mobile/responsive mode, utilisation of multiple graphs and connection to external browsing applications (Android).

PDF Printing Widget: change in the interface compatible with mobile/responsive mode.

Note Widget: change in the interface compatible with mobile/responsive mode.

Share Widget: replaces the "Create a link" Widget with addition of sharing by email and via social media networks (Twitter, Facebook, Google +). Addition of the code QR with the possibility of obtaining consultation statistics via "Bit.ly". Simplification of URLs generated. Modification of the interface compatible with mobile/responsive mode.

Thematic Widget: addition of proportional symbols thematics.

Text Widget: new feature enabling display of a dynamic label while retrieving field values on an object at the centre of the screen.

Create Points Widget: opens the input form in an external form defined by a URL.

Create lines Widget: opens the input form in an external form defined by a URL.

Create polygons Widget: opens the input form in an external form defined by a URL.

Modify object geometry Widget: new feature enabling the user to choose which layers are to be modified.

Move or resize Widget: new feature enabling the user to choose which layers are to be modified.

Delete vector objects Widget new feature enabling the user to choose which layers are to be modified.

URL Widget: Addition of a dynamic URL linked to a Class/Subclass/Field on the map.

Query Widget: revision of the interface for tables and addition of a calculation line (count, minimum, maximum, median, average, sum). Search for distinct values during construction of queries.

Vector layers: addition of a filter.

Reports import: menu for importing reports.

Refresh map: enables a refresh action of the map's metadata.

Publication from Geoconcept: retrieval of images stored in object fields on the map and display in the infobox.

External Portal: control via an external call with a configurable refresh period.

Password strength: implementation of a configurable handling feature for password strength.

Performances: improvement in Portal start-up and shut-down times.

Web service optimisation: this web service allows you to define optimum routes while minimising costs and taking into account a proportion of the mapping data for roads and vehicle profiles, and on the other hand, customer constraints (time windows, quantities to deliver, ...) and resources (working hours, cost of the resource, ...).

Geocoding Web service: new version of the web service (cf. corresponding § for the details).

Batch Geocoding Web service: new version of the web service (cf. corresponding § for the details).

Autocomplete Web service: new version of the Web service (cf. corresponding § for the details).

Reverse geocoding Web service: new version of the web service (cf. corresponding § for the details).

Search around Web service: new version of the Web service (cf. corresponding § for the details).

Route calculation Web service: new version of the Web service (cf. corresponding § for the details).

Matrix calculation Web service: new version of the web service (cf. corresponding § for the details).

Isochrone calculation Web service: new version of the web service (cf. corresponding § for the details).

New features in Geoconcept Web 5.1

New features in Geoconcept Web 5.1 (5.1.9)

Text Widget: The Text Widget customises and displays fixed or dynamic text items on the portal.

Thematic Widget: Allows users to construct thematics (colour ranges, symbols).

Form Widget: Adds a list type attribute to the form of vector objects.

SQL Server Datasource: adds a new datasource to display vector data.

Object handling datasource: to add, delete, and modify geometries and display attributes.

Activation of a mobile site: the same url enables display of the classical or mobile version of the portal as a function of the terminal used.

New Panes: new pane handling mechanism in the Composer.

New widget positioning system: widgets are now positioned in absolute terms with anchoring possible to the four corners of the screen, allowing adaptation to any screen size.

Adaptive portal: switches as a function of screen resolution (configurable) to a portal designed for smartphone or tablet use.

Layers: application of modifications made to projects in the Designer: layers can now be modified even if they already exist in the projects.

Standardise Address Web service: this service allows you to reduce the size of an address to 32 or 38 characters in conformity with AFNOR standards.

Optimisation Web service: this web service defines optimum routes while minimising travel times and distances. The ordering of visit stops is optimised on the basis of geographic and operational constraints (time slots, visit duration, etc).

Batch geocoding Web service: This web service enables simultaneous geocoding of several addresses, with the same parameters as the geocoding web service.

Transformation of coordinates: this web service enables transformation of pairs of coordinates from one projection to another. For example, from Lambert 2 extended to WGS 84.

New features in Geoconcept Web 5.0

New features in Geoconcept Web 5.0 (5.0.8)

The Geoconcept Web 5.0 solution replaces the Geoconcept Internet Server (GCIS) and Geoconcept LBS Platform solutions. The term Easy Geoweb is replaced by Designer.

The solution is supplied with a new installer that takes charge of configuring all the components installed.

Notes Widget: the Notes Widget is a system that allows you to easily display uploaded information entered in the field, to list these and handle them via a back-office.

Web Portal Widget: the Web Portal widget can enrich the project by giving one (or several) access points to other platforms hosting geographic information.

Help Widget: this widget enables users to access a document that the administrator will have defined beforehand in the portal Administration.

Last/Next Widget: this widget takes you back to places consulted during the last browsing mission in the mapping portal.

Home Widget: the Home widget takes the user back to the initial status of the mapping portal with regard to geographic position.

Text Scale Widget: the text scale is a functionality that completes the graphic scale proposed by default.

Screen shot Widget the screen shot widget enables the user to export the map in the form of an image.

Annotations Widget: the Annotations widget is a functionality that allows the user to annotate, draw, or highlight information related to the portal. The user can incorporate text, points, lines and polygons, that can be customised as required.

Object edit Widget: this widget enables users to create, modify or delete vector objects (points, lines, and polygons) from the portal.

KML Import Widget imports data in .kml format into the Geoconcept Web portal.

Queries Widget allows you to construct queries using the wizard, and to display the result in the form of lists.

Saved queries Widget executes queries saved by the administrator.

Log off widget: this functionality enables a user to exit from the portal and switch over to a new internet page.

Coordinates Widget adds MGRS, UTM and DFCI projections.

Position Widget adds the possibility for users to save their positions.

Contextualisation: users have the option to save their contexts so they can be re-used at a later date. This concerns the Positions, Advanced Layer Manager and Annotations widgets.

Display objects from an external database with the possibility of selecting objects, creating new ones, or modifying existing objects. An advanced style editor enables customisation of each layer as required.

Geographic rights handling: addition of a functionality to enable groups of users to display objects or not as a function of an attribute.

Connection statistics to track statistics about the consultation of each portal.

Mobile: creation of a portal dedicated to SmartPhone display.

WMTS: tiles are displayed according to the OGC standard.

Meta tile mechanism enabling acceleration of the creation of the tiles cache.

Generation of the cache on a zone tool enabling freehand drawing of the zone where the tiles will be generated.

Generation of programmed cache enables cyclical generation of the tiles cache.

The Web Services have been rewritten and are available in SOAP and in REST. In addition to the Web Services that already exist (Geocoding, Autocompletion, Route calculation and Search Around) the following have been added:

Reverse Geocoding: this service returns one or several possible responses including the address, the post code, the town, and the country, as well as the distance between the result and the start point (coordinates are indicated as input).

Matrix calculation / Distance matrix: this web service calculates a route matrix for a series of points, and returns a distance matrix.

Isochrone/Isodistance Web service: this service calculates an isochrone/isodistance from a point and returns the geometry of the calculated zone.

Find object Web service web service: retrieves information contained in the fields of objects on a Geoconcept map when a coordinate pair is entered.

New features in versions earlier than Geoconcept web 5.0

New features in version 4.7 (4.7.209)

Addition of the German language version in Easy Geoweb

New features of version 4.6 R2 (4.6.208)

Easy Geoweb Routing Widget: calculation of an itinerary between 2 points + route stops; the points are placed in the map using drag-and-drop.

Easy Geoweb Reports Widget: addition of the Reports widget using a Reports webservice and enabling the publication of reports from Geoconcept and association of a report to one or several projects.

Easy geoweb PDF Print: selection of the area to print: choice of a template (Geoconcept Layout).

Easy Geoweb Coordinates Widget: map coordinates on a mouse-click or when the mouse cursor glides over a location, plus move to location when a pair of coordinates is entered at the keyboard.

Easy Geoweb Geocoder Widget: addition of an autocomplete option (requires the utilisation of corresponding index files).

Easy Geoweb URL Widget: addition of a button to open a web page (URL to specify in the options).

Easy Geoweb Options on widgets: the option to add a label to button type widgets as well as to special widgets (Geocoder, Queries, Positions, Route, Layers manager).

Easy Geoweb: Creating layers in the wizard: in the wizard, the list of layers is based on the layers of the administration. If the user has the right to create a layer, they can create it in the wizard (choice of the map, name and layer format).

Easy Geoweb Integrating a SmartRouting Server (JEE): used by the Routing widget.

New features in version 4.6 (4.6.205)

The new features in this version reside in the functionalities offered by Easy Geoweb, available in the Enterprise version of GCIS. These are as follows:

Easy Geoweb Multi-portal: handling of several portals from a single deployed application.

Easy Geoweb Customisation: customisation of the functionalities available and their disk storage locations.

Easy Geoweb Widgets: library of functionalities, called widgets in Easy Geoweb.

Easy Geoweb Access to portals: handling of the customisation of access rights to the various portals.

Easy Geoweb Access to widgets: handling of the personalisation of access rights to the different functionalities or widgets.

Easy Geoweb Publication of Geoconcept maps: handling of the publishing of a map or update of the map on an existing project from the Publish functionality in Geoconcept. This functionality is documented in the Geoconcept Reference guide.

Easy Geoweb Compatibility: projects created with Easy Geoweb present in GCIS 4.5 are no longer compatible with the new war deployed in GCIS 4.6. The best way to proceed is to retrieve your configured objects in the database and re-import them into the new base.

Environments supported

Operating systems supported

Geoconcept Web 2021 has been validated in the following environments:

64-bit operating systems

- Windows Server 2019
- Windows Server 2016
- Windows Server 2012 R2

Geoconcept Web 2021 may also be installed in the following environments, but these configurations have not been specifically tested or validated.

64-bit operating systems

- Windows 8.1 Professional
- Windows 10 Professional
- (fr) Windows 11 Professionnel



Installation of Geoconcept Web 2021 requires a 64-bit system.

Application servers supported

Geoconcept Web 2021 is compatible and recommended with the following application servers:

- Apache Tomcat 8.5 and above
- Apache Tomcat 8.0

The following versions of application servers are not compatible with Geoconcept Web 2021:

- Apache Tomcat 7.0 and earlier versions

Java component supported

Geoconcept Web 2021 functions only with the following Java components:

- JVM 1.8
- OpenJDK 1.8

And is no compatible with

- JVM 1.7 and earlier versions
- (fr) JAVA 10 et supérieures

Databases supported

Geoconcept Web 2021 functions with the following databases:

- Oracle versions 9i (9.0 & 9.2), 10g (10.0 & 10.2), 11g (11.0), 12c, 18c
- Microsoft SQL Server 2012, 2014, 2016, 2017, 2018 and 2019
- (fr) PostgreSQL 9.5, 9.6, 10, 11, 12 et 13
- MySQL 5.6 and above (latest version tested: 8.0)

The utilisation of non-validated databases may lead to limitations in performances, and require some attention on the part of the administrator or extra input on the part of an expert.

The MDAC component (Microsoft Data Access Component) 2.7 or later versions must be present on your system if Geoconcept maps published via GCIS are connected to databases using a Microsoft OLE DB connection.

Minimum, and recommended, system requirements

Here are the minimum configuration requirements as recommended by GEOCONCEPT for utilisation of Geoconcept Web 2021:

Server side

	Minimum	Recommended
System	Windows Server 2012 R2 (cf. Environments supported)	Windows Server 2012 R2, Windows Server 2016, Windows Server 2019 (cf. Environments supported)
Processor	Dual Core 2 GHz as a minimum	Quad core processor or better
RAM	Minimum 4 Gbytes (low volumes)	16 Gbytes or more To be specified as a function of the volumes of data and the architecture (database type, multiplication of component instances, etc...)
Hard disk	15 GBytes (free space required to install the solution)	15 Gbytes (free space required to install the solution) Additional disk space should be made available for the tiles cache. Its size will depend on the number of layers published, the scales concerned, and the geographic coverage and format of any tiles generated. It may be stored on an external disk of the SAN type.

Important: these information items are provided free of charge and may require adaptation to the specific application context and to the quantity of data being handled.

Client side

Geoconcept Web 2021 has been tested on the following browsers: Windows, Android (Chrome) and iOS (Safari). Other browsers or other operating systems (Linux, MacOS, ...) can be used, but have not been specifically tested or validated.

Browsers

	Minimum version	Recommended version
Windows Internet Explorer	11	11
Microsoft Edge	20	(fr) 99 et supérieure
Mozilla Firefox	4	(fr) 98 et supérieure
Google Chrome	5	99 et supérieure
Apple Safari	4	(fr) 15 et supérieure

Mobile operating system

	Minimum version	Recommended version
iOS	10	15 et supérieure
iOS	8	(fr) 12 et supérieure

Components installed with Geoconcept Web 2021 SP2 (2021.0.28)

- Geoconcept Web Map Server 5.1.21 based on the Geoconcept 2021.0.125
- Geoconcept Universal Geocoder Server 2021.0.156
- Geoconcept SmartRouting Server 3.2.3.536
- Geoconcept Web 2022-1 Documentation
- Apache Tomcat 8.5.46
- (fr) PostgreSQL 13.4
- (fr) Postgis 3.1.4-1

Language versions

Geoconcept Web 2021 is available in the following languages: French, English, Spanish, German, Japanese, Chinese.

The product will be published in other languages in time. For further information, please contact GEOCONCEPT.

Example map

Geoconcept Web installs an example map: Loire Atlantique GCM/GCR (map extract of the Loire-Atlantique Department in France), accompanied by its SITI graph (for route calculation), its UGC reference referential (for geocoding) and a series of files for autocomplete functions installed in the application's \Data\Maps directory. If installing locally on a PostgreSQL base, a series of example vector data (mail boxes) are supplied.

In the event of a problem, please contact the support team at support@geoconcept.com [mailto:support@geoconcept.com].

