



Software to Software integration of GRIBview components.

Primary purpose: Navigation software direct GRIB data access and display

I. GUI components.

GribView ActiveX

The first and easiest way to incorporate with Kona's software components is to use GribView ActiveX. It provides all the features and functionality that are desired in any weather and navigation software. Users are able to set weather requests parameters, select a region for weather forecast, forecast date, time interval and number of steps for the forecast. The ActiveX has toolbars, status bar and special panes for settings different parameters but all these control bars can be hidden if you would like to customize the GUI design and provide your own control bars with a different look and behaviour. All required options can be set by means of ActiveX COM methods and properties in this case.

Internal name - GribView ActiveX

Purpose - Provide GUI

Own GUI - Yes, partly or as a whole

3rd party's GUI - Yes, partial replacement

Platform - Windows (2000 and above), COM library

Programmable – Yes

Downloads GRIB data - Yes

II. GRIB data access components

If you already have a preferred GUI in your software and don't want to use any GRIB rendering features provided by Kona's software, you can use the simple Data Access components that will form weather request properties directly in your software, send requests and download data when you need it. Data Access components don't have any GUI but instead provide all functionality that is needed to get the required GRIB data. Kona provides the following components:

1. GribCOM API

Grib COM API library provides easy to use COM interface with all methods and properties that you need to get desired weather data from our GRIB server.

Summary of the module:

Internal name - GribCOM API

Purpose - Get GRIB data

Own GUI - No, at all

3rd party's GUI - Yes, full replacement

Platform - Windows (2000 and above), COM library

Programmable – Yes

Downloads GRIB data - Yes

2. Grib SOAP API (platform-independent)

Grib SOAP API library provides low-level C++ wrappers for SOAP protocol that is used for communication with our GRIB server. SOAP is platform-independent, service-oriented communication protocol that can be easily integrated with any 3rd party services in any software.

Summary of the module:

Internal name - GribSOAP API

Purpose - Get GRIB data

Own GUI - No, at all

3rd party's GUI - Yes, full replacement

Platform - platform-independent, C++ library

Programmable – Yes

Downloads GRIB data - Yes

III. Low-level access

Our software uses SOAP protocol to send weather requests and return GRIB responses. It's open protocol and anyone is free to communicate with our GRIB server directly after completed registration on our site. Actually, you don't need any special API to do this since due to the nature of the protocol. Just get the XML definition of our SOAP service and start working with it.

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