

Weather API // Global weather data from the cloud

Flexible provision of meteorological data has become essential to many business processes and provides attractive added value. In addition to standardized queries, the Weather API also offers individual ways of integrating weather data. Corresponding connectors support the integration of further process chains.

Weather-API

- Global weather data, precise coordinates and four dimensional
- Models from 1979 and up to 46 days ahead
- Seasonal forecasts up to 7 months in advance
- Wind and solar power forecasts for 1,000 system types
- Lightning and satellite data including forecast
- Industry-specific weather parameters and data

Integration

- Excel, Python and R
- QGIS and ArcGIS
- Matlab
- Google Earth and Google Maps

Technical Details

- Response formats: CSV, XML, JSON, PNG, HTML-Snippets, NetCDF, GrADS
- WMS and WFS interface
- Depending on the package between 1,000 and 1,000,000 accesses per day
- Response times from 20 ms
- Optional deployment of a dedicated server
- HTTPS supported - HTTP-Basic-Authentication

Advantages

- Precise forecasts
- Model accuracy up to 90 meters
- Time resolution: 15 min, 1h, 3h, 6h, 12h and 24h
- Updates up to 280 times a day depending on model and data source