Earthquakes API

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By Admin 1 | updated 2 months ago | Data

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Earthquake API Documentation

Overview:

The Earthquakes API allows users to request detailed historical information about earthquakes occurring within a specified time range. This data is useful for a variety of applications, including scientific research, emergency management, and public awareness.

Endpoint: `GET /earthquakes`

Request Parameters:

start_time (required): The start of the time range for querying earthquakes (format(YYYY-MM-DD)).
end_time (required): The end of the time range for querying earthquakes (format(YYYY-MM-DD)).

Response Parameters:

type: The type of the collection, typically "FeatureCollection".
metadata: Metadata about the API response.
generated: Timestamp when the data was generated.
url: URL of the query.
title: Title of the data set.
status: HTTP status code.
api: API version.
count: Number of earthquake events returned.
features: Array of earthquake features.
type: The type of the feature, typically "Feature".
properties: Detailed properties of the earthquake.
mag: Magnitude of the earthquake.
place: Location description of the earthquake.
time: Time of the earthquake event in milliseconds since epoch.
updated: Time when the event was last updated in milliseconds since epoch.

tz: Time zone offset.
url: URL to the USGS event page.
detail: URL to detailed earthquake data in GeoJSON format.
felt: Number of reports from people who felt the earthquake.
cdi: Community Determined Intensity.
mmi: Modified Mercalli Intensity.
albert: Alert level.
status: Review status of the event.
tsunami: Tsunami flag (0 or 1).
sig: Significance of the event.
net: Network identifier.
code: Event code.
ids: Comma-separated list of event ids.
sources: Comma-separated list of source networks.
types: Comma-separated list of event types.
nst: Number of stations that reported the event.
dmin: Minimum distance to the event.
rms: Root mean square of the travel time residuals.
gap: Gap between stations.
magType: Magnitude type.
type: Type of seismic event (e.g., "earthquake").
title: Title of the event.
geometry: Geometric data of the earthquake.
type: Geometry type, typically "Point".
coordinates: Array of coordinates [longitude, latitude, depth].

Conclusion:

The Earthquakes API is a powerful tool for accessing detailed and timely historical information about seismic activities worldwide. By providing crucial data such as magnitude, location, depth, and time of occurrence, this API supports a wide range of applications from scientific research to emergency management. With its easy-to-use interface and comprehensive data, the Earthquakes API is indispensable for anyone needing accurate earthquake information.

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