

# Programming Guidance

When integrating with the API, note the following general programming rules:

- fields are not always returned in the same order; reference fields by name
- fields are not always returned; validate a field is available before using it
- array results are not guaranteed to be sorted
- date and time fields are always returned in ISO 8601 format

## Example API Calls and Helper Classes

The following examples and helper classes are available on [GitHub](#). Helper classes allow you to make API calls, and assign them to objects, from various languages.

- [.Net helper class](#)
- [JavaScript helper classes](#)
- [Perl helper class](#)
- [PHP helper class](#)
- [jQuery D3 charting example](#)

## Implementation Examples

You can find examples of [dashboards](#) and [gadgets](#) that are built using the API on the [Uptime Infrastructure Monitor Grid](#). These also are available as open-source projects on [GitHub](#). These dashboards and gadgets are ready to be installed on your Monitoring Station using the Extension Manager.