

# Structure Developer's Guide

## Structure Developer Documentation

- [Accessing Structure from Your Plugin](#)
  - [Structure API Basics](#)
  - [Controlling Compatibility](#)
  - [Making Structure Dependency Optional](#)
- [Extending Structure Functionality](#)
  - [Creating a New Column Type](#)
  - [Creating a New Synchronizer](#)
  - [Loading Additional Web Resources For Structure Widget](#)
- [Accessing Structure Data Remotely](#)
- [Reference](#)
  - [Structure Java API Reference](#)
    - [Structure API Versions](#)
  - [Structure Plugin Module Types](#)
    - [Synchronizer Module](#)
    - [Widget Extension Module](#)
    - [Issue Data Provider Module](#)
    - [Export Renderer Provider Module](#)
  - [Structure REST API Reference](#)
    - [Structure Resource](#)
    - [Forest Resource - GET](#)
    - [Forest Resource - POST](#)
  - [Structure JavaScript API Reference](#)
    - [JavaScript API Functions](#)
    - [JavaScript API Classes](#)
      - [Column Class](#)
      - [ColumnConfigurator Class](#)
      - [ColumnOption Class](#)
      - [ColumnType Class](#)
  - [Web Resource Contexts](#)
- [API Usage Samples](#)

### Structure for Developers

Structure Plugin contains APIs that allow you to access the hierarchical lists of issues from other plugins and applications. Here are the typical use cases:

#### Custom Development

You customize JIRA for your customer or employer, and you need to integrate Structure with some other in-house system – see [section about integrating plugins](#) and [Java API reference](#).

#### Plugin Integration

You have your own great JIRA plugin, or plan to create one, and you'd like to use the issue hierarchy provided by Structure – see [Accessing Structure from Your Plugin](#).

#### Extending Structure

You'd like to extend Structure, adding functionality to the plugin itself – read documentation about [extending Structure functionality with additional plugins](#). (You can also [extend the functionality of the Structure plugin itself](#).)

#### Remote Access

You need to get or change issue hierarchy remotely from some automated scripts or a client application – read about [Accessing Structure Data Remotely](#) and [Structure REST API](#).