

Strapi Iconify Picker: Technical Documentation

The `@sunny-pirate/strapi-plugin-iconify-picker` plugin adds a focused icon picker field to the Strapi Admin. It surfaces icons from installed Iconify collections and stores the selection as structured JSON in your Content Types.

Requirements

- Strapi v5

What It Does

- Provides a custom field input to pick an Iconify icon.
- Supports curated collections (governance) via configuration.
- Stores a portable JSON payload: `{ prefix, icon, value }`.

System Architecture

The plugin runs as a custom field provider in the Strapi Admin and communicates with a backend controller/service that reads from the Iconify ecosystem available in your project.

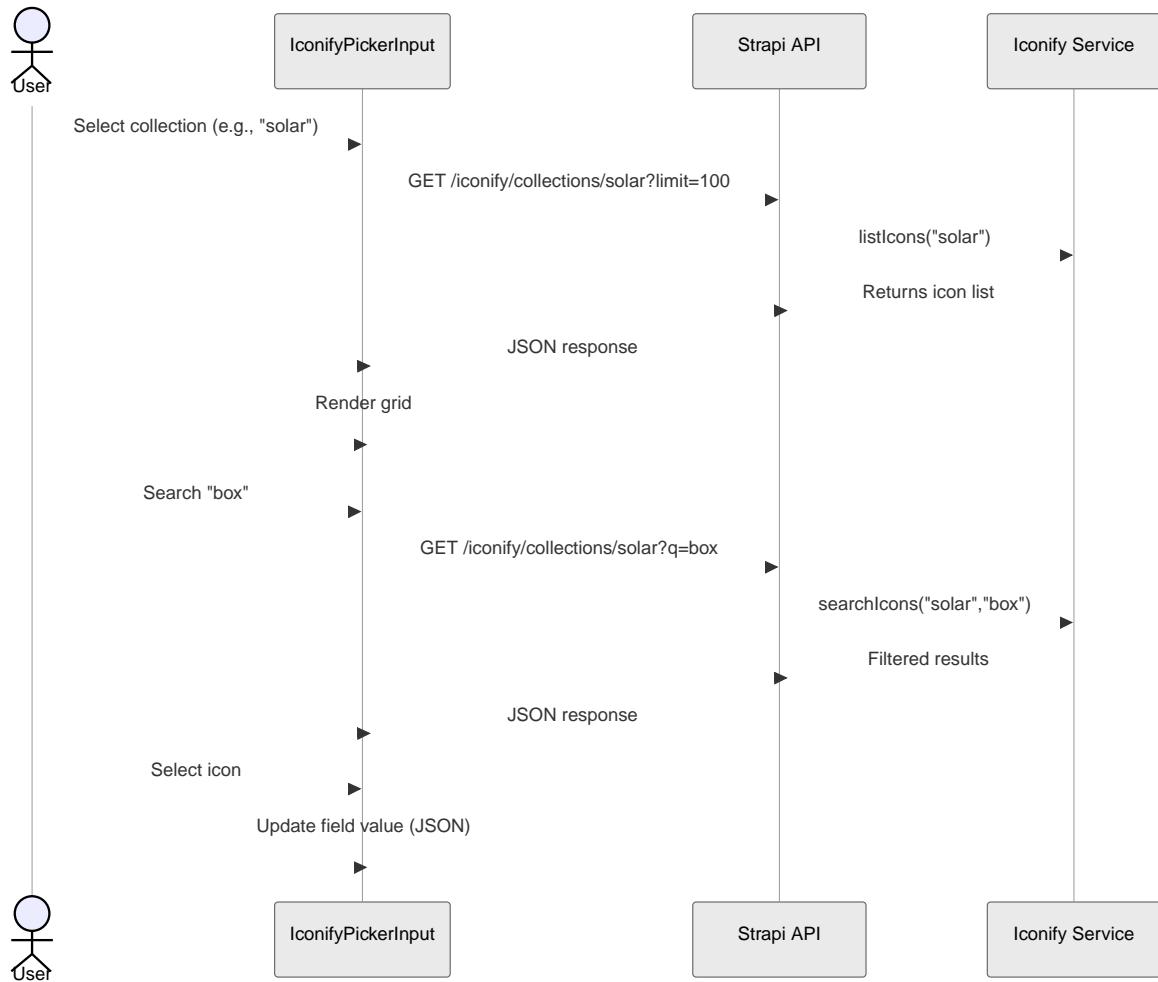
Component Class Diagram

The diagram below shows how the Admin UI and backend pieces relate.

[Diagram] |
https://kroki.io/mermaid/svg/eNqFU01vwjAMvfMrfNzExw_ggMRgk3qr6G5oQl7qFmshKUnKhib--xI6RktLl0vT-NnP7zkREq1dMuYGdwPwy5bvfl9sYZ7uWG1iVCRhff6BSDkyGQp6OOPDEiEfIqEVZ8eYxQeZSBWlg-8_SFhj6wyrHCxJEo7ShZZhw1rdgaER22aIlyMCc2qcDg2plMzDY_N0iyqVlJyr1GKnjrZjQwemz0pns-lhyraQeAww200RY84Kg44emivoRWvv4C1NpWGhlTNa2s5CHQaPx7NW5f_wLcFT0EVIRwmlvZjr2xk070JC5kBmM48jWCfOHxE8oS-t0js34VeMbIvNyV2H33LVRyu3C0MZf41A8o7dCHSWWfLfff8wPXNolQXd0kq2fbwh3EN8g66uZxO_v5tyapraMZrJZNZh3BRWz8krrGhfknX13BroMtWa8iks_SvL0dEP0ngf7g==

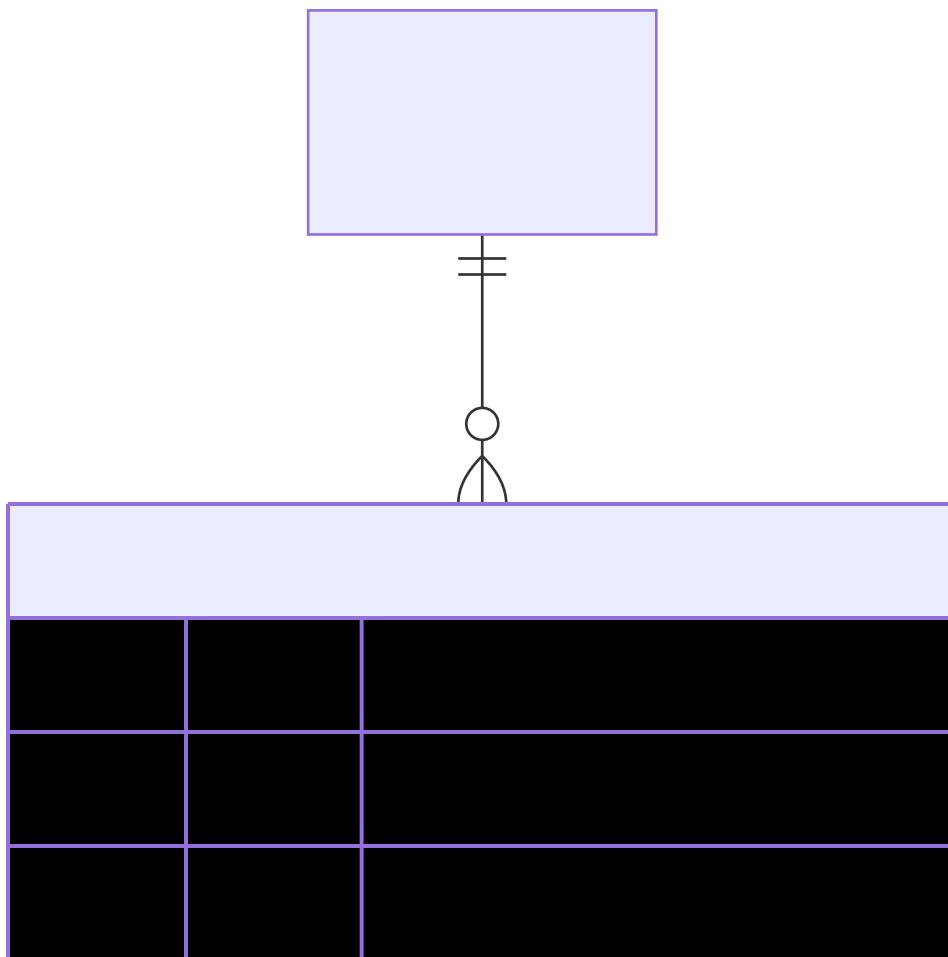
Interaction Flow

User Selection Sequence



Data Model

The plugin does not create new database tables. It stores a structured object in an existing JSON field.



Example payload:

```
{
  "prefix": "solar",
  "icon": "box-bold",
  "value": "solar:box-bold"
}
```

Integration

Enable The Plugin

Register the plugin in `config/plugins.ts`.

```
type StrapiEnv = {
  array: (key: string, defaultValue?: string[]) => string[];
};

export default ({ env }: { env: StrapiEnv }) => ({
  'dls-iconify-picker': {
    enabled: true,
  }
});
```

```

config: {
  collections: env.array('DLS_ICON_COLLECTIONS', ['solar', 'logos', 'flag',
'lucide']),
},
},
});

```

Integration Architecture

[Diagram] | https://kroki.io/mermaid/svg/eNptjzFPAzEMhXd-hUcYAjsDUikgnRQtWzRDSbxHVbTJCQ-QaX-eHyJhIREljO956fp5C-3AcWgdf9FejZpjxbF277nJYzo71VuoIxjcniOB6oX2LUPW6VgZtMxw6ri6WwyuyOVsf1sIn3NHMVKirfLlXS6YUpeNtraI97-M9DMwlFeTtnelw4eCrN70CBnPx1a_zGn35Hfi5UV2azG-yhpV1LoOhz4qh7dYW2Oo9e4UFDPKGgHWIVDIF8a2kucCmsUznFCtf0retEDJDRHXGmejP-AFpqdnY=

Step-by-Step Configuration Guide

Follow this visual guide to get up and running.

1. Plugin Configuration

Verify the plugin is active and configure available collections.

The screenshot shows the Content Manager API interface. On the left, there's a sidebar with various content types like Article, Category, and FAQ. The main area is titled 'API' and shows a 'Category' entry. The 'category_key' field has a value of 'API'. The 'name' field is set to 'API'. The 'slug' field is set to 'en-product-api'. In the 'Iconify' section, a 'Collection' dropdown is set to 'solar', and a specific icon named 'box-line-duotone' is selected. To the right, there are sections for 'ENTRY' (with 'Publish' and 'Save' buttons) and 'PREVIEW' (with a 'Set up preview' button). The top right corner shows language settings for 'English (en)'.

2. Content Type Builder

Add the Iconify Picker field to your schema.

Content Manager

API

Modified

DRAFT PUBLISHED

category_key (1) Add or create a relation API

slug en-product-api

iconify Collection solar Search icons... No icon selected

name* API

ENTRY Publish Save

PREVIEW Set up preview

3. Adding the Field

Find the picker under Custom Fields (or JSON-compatible fields depending on your setup).

Iconify Picker

Runtime Inventory

COLLECTION	AVAILABILITY	GOVERNANCE (ENABLED)	PACKAGE
solar	Available	OFF ON	@iconify-json/solar
lucide	Available	OFF ON	@iconify-json/lucide
logos	Available	OFF ON	@iconify-json/logos
flag	Available	OFF ON	@iconify-json/flag
simpleicons	Missing	OFF ON	@iconify-json/simpleicons Install it to enable

Icon Preview

Select a collection to preview icons

4. Field Configuration

Name your field (for example, **icon**) and save.

The screenshot shows the Iconify Picker interface. On the left is a sidebar with various icons for navigation. The main area has a header "Iconify Picker" and "Diagnostics and Governance". A blue info box at the top right says "Governance Note Only collections that are both Allowed (in config) and Available (installed) can be enabled for editors." Below this is a "Runtime Inventory" table:

COLLECTION	AVAILABILITY	GOVERNANCE (ENABLED)	PACKAGE
solar	Available	OFF ON	@iconify-json/solar
lucide	Available	OFF ON	@iconify-json/lucide
logos	Available	OFF ON	@iconify-json/logos
flag	Available	OFF ON	@iconify-json/flag
simpleicons	Missing	OFF ON	@iconify-json/simpleicons Install it to enable

To the right is an "Icon Preview" section with a message "No icons found in this collection".

5. Saving the Content Type

Save your changes. Strapi will rebuild the Admin.

This screenshot is identical to the one above, but it includes a blue info box at the top right stating "Collection logos enabled".

6. Using the Picker

Create or edit an entry and use the Iconify Picker field.

The screenshot shows the Iconify Picker interface. On the left, the "Runtime Inventory" section displays a list of icon collections: solar, lucide, logos, flag, and simpleicons. The simpleicons collection is marked as "Missing". The "Icon Preview" section on the right shows a grid of 2063 icons from the logos collection, with navigation controls for pages 1 through 42 and a per-page dropdown set to 50.

7. Selecting Icons

Filter by collection or search within the selected collection.

This screenshot is identical to the one above, showing the Iconify Picker interface with the Runtime Inventory and Icon Preview sections. The simpleicons collection remains missing, and the preview shows the first 2063 icons from the logos collection.

Iconify and Icon Sets Licensing

This plugin integrates with the Iconify ecosystem but is not an official or endorsed Iconify product.

- Icon sets have their own licenses and attribution requirements.
- This plugin does not bundle icon data or icon set packages.
- If you distribute icon sets, include the relevant licenses and attributions for those sets.
- Do not imply affiliation or endorsement by Iconify.

Screenshots

Configuration Panel

The screenshot shows the 'Iconify Picker' configuration panel. On the left, there's a sidebar with various icons and a 'LF' button. The main area has a header 'Iconify Picker' and a 'Diagnostics and Governance' section. A governance note says 'Only collections that are both Allowed (in config) and Available (installed) can be enabled for editors.' Below this is the 'Runtime Inventory' table:

COLLECTION	AVAILABILITY	GOVERNANCE (ENABLED)	PACKAGE
solar	Available	OFF ON	@iconify-json/solar
lucide	Available	OFF ON	@iconify-json/lucide
logos	Available	OFF ON	@iconify-json/logos
flag	Available	OFF ON	@iconify-json/flag
simpleicons	Missing	OFF ON	@iconify-json/simpleicons Install it to enable

To the right is the 'Icon Preview' section, which says 'Select a collection to preview icons'.

Usage Interface

The screenshot shows the 'Content Manager' interface. The left sidebar lists various content types like Article, Category, DC | Communication Attach..., and User. The main area shows a 'Create an entry' form for a 'Draft' entry. The 'Category' field is selected. The 'Iconify' section allows selecting an icon from a grid. The 'ENTRY' sidebar on the right has 'Publish' and 'Save' buttons.