

ARHOCH Feeds

Content source configuration manual

Understand each area of the system and follow the procedures, from initial setup to everyday operations.

How to use this manual

Follow the quick start to prepare your environment. Then look up individual tasks in the chapters. Screenshots use demonstration data; available menus and actions depend on your permissions.

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About this manual

Feeds is a configuration tool for operators responsible for TV weather, news, exchange-rate and location sources. It is not the media or TV-pairing panel.

The current panel uses Portuguese labels. Other-language manuals retain original labels for navigation. Screenshots use the real UI, a synthetic source and simulated local responses; they do not prove providers' commercial availability.

Quick start

1. Choose the content type and register a source with a stable identifier.
2. Configure request, credentials, mapping, capabilities, attribution and cache.
3. Save, test the revision and fix diagnostics.
4. Enable and separately choose default if needed. Then configure TV media.

1 Complete Feeds operation

1.1 Understand Feeds and the source list

What it is for Distinguish provider configuration, normalized data and TV rendering.

Before you start

- Responsible operator and authorized panel access; source consultation/display rights and own credentials when required. Feeds provides no IAM login or organization authorization.

Step by step

1. Open the panel supplied by the technical operator. Feeds has no login screen, users, sessions or IAM integration. Access protection depends on infrastructure; use only the authorized environment.
2. In Fontes de conteúdo (Content sources), choose Conteúdo (Content): weather, exchange rates, news, locations or a registered additional type. The list changes to that type.
3. Review name, identifier, enabled/disabled, default and last execution. Last execution is a temporary in-memory indicator, not a complete persistent history.
4. Use Tema (Theme) in the header to change appearance. The list offers Nova fonte, Editar e testar, Habilitar/Desabilitar, Definir padrão and Excluir according to state.

Expected result

You identify the intended type and source before modifying them.

ARHOCH Feeds Fontes de conteúdo Tema

Fontes de conteúdo

Configure uma fonte, confira o resultado e disponibilize o conteúdo à TV. + Nova fonte

Conteúdo

Clima

Fonte sintética
fixture · Desabilitado

Editar e testar Habilitar Excluir

► Tipos de conteúdo adicionais

Real Portuguese interface list; demonstration source and simulated local responses.

1.2 Create a source or start from a suggestion

What it is for Create a stable configuration without automatically enabling it.

Where to find it Fontes de conteúdo → Editar e testar or Nova fonte

Before you start

- Responsible operator and authorized panel access; source consultation/display rights and own credentials when required. Feeds provides no IAM login or organization authorization.

Fields and options

Começar com uma sugestão - suggestion	Loads example configuration and usage note; not evidence of licensing or credentials.
Nome de exibição - display name	Required, up to 200 characters; separate from the technical identifier.
Identificador - identifier	Starts with a lowercase letter, then lowercase letters, digits or hyphens; up to 64 characters. Locked after creation.
Conteúdo - content	Built-in or additional type. Cannot change while editing an existing source.

Step by step

- Select Nova fonte (New source) or Cadastrar primeira fonte (Register first source). In section 1, select Começar com uma sugestão (Start from a suggestion), or keep Configuração própria (Custom configuration). Read the suggestion's usage note.
- Enter Nome de exibição (Display name) and Identificador (Identifier). The identifier starts with a lowercase letter and contains lowercase letters, digits and hyphens, up to 64 characters. Select the correct content type.
- Complete the remaining editor sections. Select Salvar configuração (Save configuration). Then run Testar fonte salva (Test saved source); creation saves a disabled source and does not make it default.

Expected result

The record receives a revision. During editing, type and identifier are locked; its display name can change without changing the identifier.

Important information

Suggestions do not grant a usage license, commercial quota or provider credential. Review source conditions before displaying data to others.

1.3 Configure the external request

What it is for Define how the server calls an API or RSS feed, separately from the TV request.

Where to find it Fontes de conteúdo → Editar e testar or Nova fonte

Before you start

- Responsible operator and authorized panel access; source consultation/display rights and own credentials when required. Feeds provides no IAM login or organization authorization.

Fields and options

Método	Provider GET or POST call; does not change TV GET routes.
URL fixa da fonte	Absolute URL set by the operator; consumers cannot supply it as unrestricted input.
Resposta	JSON or RSS. Mapping must match the selected format.
Parâmetros / Headers - parameters/headers	Rows of name, origin and value/reference. Remove parameter/header deletes the draft row before saving.
Tipo do valor	Text keeps a text constant. JSON preserves number, boolean, list or object.
Corpo JSON	Shown for POST. Valid JSON object; references preserve types.

Step by step

1. In section 2, select Método (Method) GET or POST, enter URL fixa da fonte (Fixed source URL), and choose JSON or RSS response. The TV does not provide this URL.
2. Use Adicionar parâmetro (Add parameter) for each external query entry. Complete its name, value origin and value/reference. Fixed value is constant; content parameter uses a public input; registered secret references a saved credential.
3. Open the parameter's Opções (Options) to preserve a constant type: Text or JSON. For references, the JSON equivalence/separator field accepts table mappings and separator for lists.
4. In Headers e corpo (Headers and body), use Adicionar header with the same value logic. For POST, enter the JSON body; references preserve numbers, booleans, lists and objects without text concatenation.

Expected result

Feeds constructs the external request from saved configuration. Public parameters cannot freely choose host, URL, authentication or mapping.

2. Consultar a API externa

Método
URL fixa da fonte
Resposta

GET
https://example.com/data
JSON

Parâmetros da chamada externa

category
Parâmetro do conte
category

▶ Opções de category

symbols
Parâmetro do conte
symbols

▶ Opções de symbols

count
Valor fixo
12

▶ Opções de count

includeArchived
Valor fixo
false

▶ Opções de includeArchived

options
Valor fixo
{"locale":"pt"}

▶ Opções de options

Adicionar parâmetro

▶ Headers e corpo

▶ Credenciais da fonte

Real request editor with demonstration bindings and a simulated local API; Portuguese labels.

1.4 Register and replace source credentials

What it is for Authenticate to a provider without exposing its secret to the TV or panel reads.

Where to find it Fontes de conteúdo → Editar e testar or Nova fonte

Before you start

- Responsible operator and authorized panel access; source consultation/display rights and own credentials when required. Feeds provides no IAM login or organization authorization.

Fields and options

Autenticação externa	NONE, BEARER, HEADER or BASIC, shown with friendly panel labels.
Referência do segredo	Local name used by authentication; must match a registered secret.
Nome do header / Usuário externo	Header is used for HEADER; username for BASIC.
Nome local do segredo / Inserir ou substituir	Reference name and new secret value. An empty edit preserves the previous value; removal takes effect on save.

Step by step

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1. Open Credenciais da fonte (Source credentials). Choose external authentication: None, Bearer, header key or Basic according to provider documentation.
2. Enter the secret reference. For a header key, enter the header name; for Basic, enter the external username. For a query API key, add an external query row with the registered-secret origin.
3. In Nome local do segredo (Local secret name), use the same reference, such as apiToken. Enter the real value in Inserir ou substituir (Insert or replace) only in the authorized environment. Save and test.
4. When editing, an empty value preserves the existing secret. To remove it, use Remover beside its name and save; to replace it, enter the new value and save. Reads return only its name and configured state.

Expected result

The value is used for external authentication and does not reappear in read configuration, normalized output or the sanitized tree.

Important information

There is no mandatory Bearer between TV and Feeds. This section concerns provider credentials, not panel login. Generic OAuth renewal is not an editor option.

1.5 Map a response and use transformations

What it is for Convert provider fields to the contract understood by TV.

Where to find it Fontes de conteúdo → Editar e testar or Nova fonte

Before you start

- Responsible operator and authorized panel access; source consultation/display rights and own credentials when required. Feeds provides no IAM login or organization authorization.

Fields and options

Adicionar campo de destino	Normalized camelCase field, such as current.temperature.
Árvore da resposta de teste	Sanitized response paths; select a destination before binding.
Transformação	Small declared field conversion; No conversion preserves the mapped value.
Mapa	JSON object with fields and collections. Tests report missing/incompatible values without executing arbitrary scripts.

Step by step

1. Save an initial configuration and enter test parameters. Run Testar fonte salva. If the source responds but the map is incomplete, use the sanitized original response and diagnostics to build the map.
2. In section 3, select a destination field on the left, then its corresponding path in the test-response tree. The mapping appears beside the destination.

3. If the destination is absent, use Adicionar campo de destino and Adicionar destino, for example current.temperature. Select the required transformation or Sem conversão (No conversion).
4. Available transformations are string, integer, decimal, decimalString, boolean, trim, lowercase, uppercase, htmlText, instant, date, split, hash and table. Collections and advanced options remain in the declarative Mapa (Map).
5. Save changes and test again. Review required fields and the normalized preview before enabling. Unsaved changes are not used by the test.

Expected result

A valid preview confirms the map for that response and revision; it does not promise future availability or content rights.

3. Associar os campos de conteúdo

Selecione um destino e uma origem na resposta de teste. Coleções e transformações avançadas permanecem no mapa declarativo.

Adicionar campo de destino

current.temperature Adicionar destino

title
Selecione uma origem

Sem convers

/ Objeto

/headline
Conteúdo sintético

/echo
[oculto]

► Mapa e capacidades declarativas

Tree and diagnostics in the real interface; local synthetic response with an incomplete mapping.

1.6 Declare capabilities and news categories

What it is for Expose only input combinations actually supported by the source.

Where to find it Fontes de conteúdo → Editar e testar or Nova fonte

Before you start

- Responsible operator and authorized panel access; source consultation/display rights and own credentials when required. Feeds provides no IAM login or organization authorization.

Fields and options

Capacidades reais	JSON object describing actual restrictions: countries, languages, categories, currencies and limits by type.
Chamadas por categoria	JSON object of saved category requests when each RSS uses its own URL. TV cannot supply arbitrary URLs.
Verificações da fonte	JSON list of additional checks, for example matching base/date for exchange rates.

Step by step

1. Open Mapa e capacidades declarativas (Declarative map and capabilities). Declare only countries, languages, categories, currencies or limits actually supported. Changing a label does not expand coverage.
2. News uses country, language, category and limit. Categories: top-stories, business, sports, technology, science, health and entertainment. A general feed must not be presented as sports without corresponding content.
3. If the API accepts a native category, bind it to the external query and use table when names differ. For separate RSS sections, fill Chamadas por categoria with each category's fixed request and required mappings.
4. Enter compatible test parameters, save and test each advertised combination. TV uses the catalog to offer options matching these capabilities.

Expected result

Unsupported combinations are rejected without silently choosing another source.

1.7 Configure exchange rates without reversing values

What it is for Deliver the price of one currency unit in the selected base.

Where to find it Fontes de conteúdo → Editar e testar or Nova fonte

Before you start

- Responsible operator and authorized panel access; source consultation/display rights and own credentials when required. Feeds provides no IAM login or organization authorization.

Fields and options

Conversão de câmbio	JSON object with DIRECT, INVERSE or CHANGE_BASE mode according to the original source convention.
base	ISO3 base currency code. Explicitly use BRL for prices in reais. Contract default remains USD.
symbols	Quoted currencies, up to 20, excluding the base. Each rate means BASE per 1 SYMBOL.

Step by step

1. Choose Câmbio (Exchange rates) and configure the provider. Check its original direction before selecting currency conversion: DIRECT, INVERSE or CHANGE_BASE.
2. In test parameters, enter supported base and symbols, for example BRL with EUR and USD. Use three-letter ISO codes. The contract allows at most 20 targets, excluding the base itself.
3. Save and test. Output from /v1/exchange-rates is always version 1 and BASE per 1 SYMBOL. With BRL base and USD symbol, the rate means reais per 1 dollar; TV must not invert it again.
4. Review the rate date and source time zone. Source checks may require matching base/date; previous must represent real comparable history, never invented prior values.

Expected result

Preview and consumption use the same direction. To show prices in reais on TV, explicitly choose BRL.

1.8 Check weather and locations

What it is for Combine city search, coordinates and a forecast supported by the source.

Where to find it Fontes de conteúdo → Editar e testar or Nova fonte

Before you start

- Responsible operator and authorized panel access; source consultation/display rights and own credentials when required. Feeds provides no IAM login or organization authorization.

Fields and options

latitude / longitude	Coordinates of the chosen location; use the corresponding weather-contract fields in test parameters.
days	Number of days supported by the contract and registered source capability.
unit / language	Unit and language supported by the source; location-search parameters follow their own declared model.

Step by step

1. Register or edit the Locations source separately from Weather, even for the same provider. Each type keeps its own contract and configuration.
2. Test location search with its declared parameters and supported language. Check names and coordinates in the normalized response before using them in the forecast.
3. For weather, test latitude, longitude, unit, language and days according to contract/capabilities. Review current temperature and the daily collection in the map.
4. On TV, select the appropriate source, search the city and confirm details. Finding a city does not prove that every unit/day combination is supported by the chosen weather source.

Expected result

Location and forecast remain consistent with registered capabilities.

1.9 Set attribution, validity and limits

What it is for Preserve source attribution and control refreshes and older data use.

Where to find it Fontes de conteúdo → Editar e testar or Nova fonte

Before you start

- Responsible operator and authorized panel access; source consultation/display rights and own credentials when required. Feeds provides no IAM login or organization authorization.

Fields and options

Créditos da fonte	JSON list of attribution entries. Preserve required source identity and links.
Dados frescos (segundos)	Integer greater than zero for the fresh-validity window.
Retenção total desde obtenção (segundos)	Integer at least equal to fresh validity; not an extra period added after freshness.
Por minuto / Por hora / Por dia	Configurable external-call limits, maxima 600 / 5000 / 10000; match provider quota.
Calendário de publicação	Declarative JSON object matching actual publication cadence; does not create a scheduled polling job.

Step by step

1. In section 4, fill **Créditos da fonte** (Source credits) with required attribution. Preserve publisher, URLs and required rights; do not remove attribution merely to simplify the screen.
2. Set fresh validity and total retention as positive integer seconds. Total retention must be at least the fresh validity.
3. Open **Limites de consulta por fonte** to set per-minute, per-hour and per-day limits within displayed maxima: 600, 5000 and 10000 respectively. Match the actual provider quota.
4. Where applicable, enter publication calendar and source checks in the declarative options. Save and test the revision.

Expected result

The cache is used on demand. LIVE is fresh; STALE may reuse an eligible success until retention expires; errors or reads do not renew validity. Restarting Feeds loses its in-memory cache.

1.10 Save, test and interpret results

What it is for Check the saved revision and fix the map before publishing content.

Where to find it Fontes de conteúdo → Editar e testar or Nova fonte

Before you start

- Responsible operator and authorized panel access; source consultation/display rights and own credentials when required. Feeds provides no IAM login or organization authorization.

Fields and options

Parâmetros de teste	JSON object with compatible public inputs. Never place tokens here.
Prévia normalizada	Valid result following the type output schema, distinct from raw output.
Resposta original sanitizada	External response without known secret values; a diagnostic tool, not the consumption contract.

Step by step

1. Enter a valid JSON object with compatible inputs in **Parâmetros de teste**. Select **Salvar configuração** before **Testar fonte salva**.
2. A valid preview shows **Prévia normalizada** and duration. **Ajuste o mapeamento** means the source responded but mapping/fields need correction; inspect each diagnostic.
3. Open **Resposta original sanitizada** to inspect received data without credentials. The tree lets you select real fields. Correct, save and test again.
4. When leaving with **Voltar às fontes** and unsaved changes, explicitly choose whether to stay or discard. Testing never automatically saves editor changes.

Expected result

Testing does not enable the source, change the default or fill the consumption cache. A test call may consume provider quota.

5. Conferir a fonte

Parâmetros de teste

```
{}
```

Salvar configuração

Testar fonte salva

Testar usa a revisão salva. Alterações no editor precisam ser salvas primeiro.

Ajuste o mapeamento
data: Campo title ausente.

▶ Resposta original sanitizada

Test diagnostics in the real Portuguese interface with a local synthetic response.

If something goes wrong

Revision conflict

Another editor changed the source. Reopen it, compare the current revision and reapply only the intended change. Do not overwrite without reviewing.

Connection or external authentication error

Check the fixed URL, credentials, limits and provider availability. Never paste secrets in logs or support requests.

1.11 Enable, set default and delete

What it is for Control what TV can select and what happens when provider is omitted.

Before you start

- Responsible operator and authorized panel access; source consultation/display rights and own credentials when required. Feeds provides no IAM login or organization authorization.

Step by step

1. Return to the list, verify type and source, and select Habilitar (Enable) after validation. Multiple sources of one type can remain enabled.
2. On an enabled source, select Definir padrão (Set default) when requests without provider should use it. There is one default per type.
3. Disabling prevents consumption and, if it was default, removes that marker without automatically choosing a replacement. Explicitly choose another default when needed.
4. To delete, select Excluir, check the source name in the confirmation and confirm only the intended record. First check widgets explicitly using its identifier.

Expected result

The catalog reflects enabled sources. A missing default or invalid source does not trigger a silent provider substitution.

1.12 Consume on TV and inspect the catalog

What it is for Use existing contracts without exposing external configuration.

Before you start

- Responsible operator and authorized panel access; source consultation/display rights and own credentials when required. Feeds provides no IAM login or organization authorization.

Step by step

1. Review types at /v1/types and enabled sources at /v1/providers?type=news, changing type as needed. Catalogs exclude secrets, headers and maps.
2. Fixed queries are /v1/weather, /v1/exchange-rates, /v1/news and /v1/locations. Supply only declared parameters; provider optionally selects a source explicitly.
3. In TV media, select the remote type and compatible source/options; Feeds default keeps the central choice. Check city, currency or category and preview before publishing the playlist.

Expected result

Feeds supplies data; TV registers media, includes it in a playlist and displays it on a player. Registering a source does not automatically create media or playlists.

1.13 Register additional content types

What it is for Describe another data contract without automatically creating a TV widget.

Before you start

- Responsible operator and authorized panel access; source consultation/display rights and own credentials when required. Feeds provides no IAM login or organization authorization.

Fields and options

Identificador do tipo	Unique technical name using lowercase letters, digits and hyphens, 1-64 characters.
Nome do tipo	Required display name, separate from identifier.
Parâmetros públicos	Declarative JSON object. type and provider are reserved; does not expose external URL/token.
Modelo declarativo de saída	JSON Schema object within the supported subset, without scripts or remote references.

Step by step

1. On the list, open Tipos de conteúdo adicionais. Enter type identifier, type name, public parameters and declarative output schema as JSON.
2. The identifier uses lowercase letters, numbers and hyphens, up to 64 characters, without reusing the four fixed types. provider and type are reserved and cannot become content parameters.
3. Select Cadastrar tipo (Register type). Then create a source for that type, save, test and enable normally. Query `/v1/feeds/identifier` with declared parameters.

Expected result

The model is declarative and does not execute scripts or remote references. TV still needs its own renderer to display a new type.

1.14 Use MCP with an authorized client

What it is for Run the same panel routines through AI tools with human review of changes.

Before you start

- Responsible operator and authorized panel access; source consultation/display rights and own credentials when required. Feeds provides no IAM login or organization authorization.

Step by step

1. The technical operator can connect a compatible client to `/mcp` in the authorized environment. MCP shares panel configuration and validation and has no separate login.
2. Start with `feeds_list_content_types` and `feeds_list_providers`. Use `feeds_get_provider_config` to check revision before editing. Reads do not return secret values.
3. For writes, use `feeds_create_content_type`, `feeds_create_provider` or `feeds_update_provider` as intended. Updates require `expectedRevision`; a mismatch stops the change.
4. Use `feeds_test_provider` with the saved revision and parameters. If approved, use `feeds_set_provider_enabled`. `feeds_set_default_provider` changes the default separately. `feeds_fetch` consumes through the same REST cache/contract.

Expected result

The ten tools operate on the same panel data. Do not send credentials in AI conversations; register values in the panel and use references instead.

2 Glossary

provider

Saved source identifier, not the external URL or display name.

Revision

Configuration version required for edits, tests and state changes without overwriting concurrent changes.

STALE

Earlier successful data still eligible within retention; it is not newly fetched content.

3 Help and next steps

For source issues, review the message, type, identifier, revision and parameters without including secrets.

ARHOCH contact: contact@arhoch.com. Panel access and infrastructure belong with the responsible operator.