

Usando APIs RESTful

Prof. Rommel Carneiro (19) (in)







RESTful API – Tópicos

- Elementos de uma API
- Exemplos de APIs
 - News API
 - The Movie DB





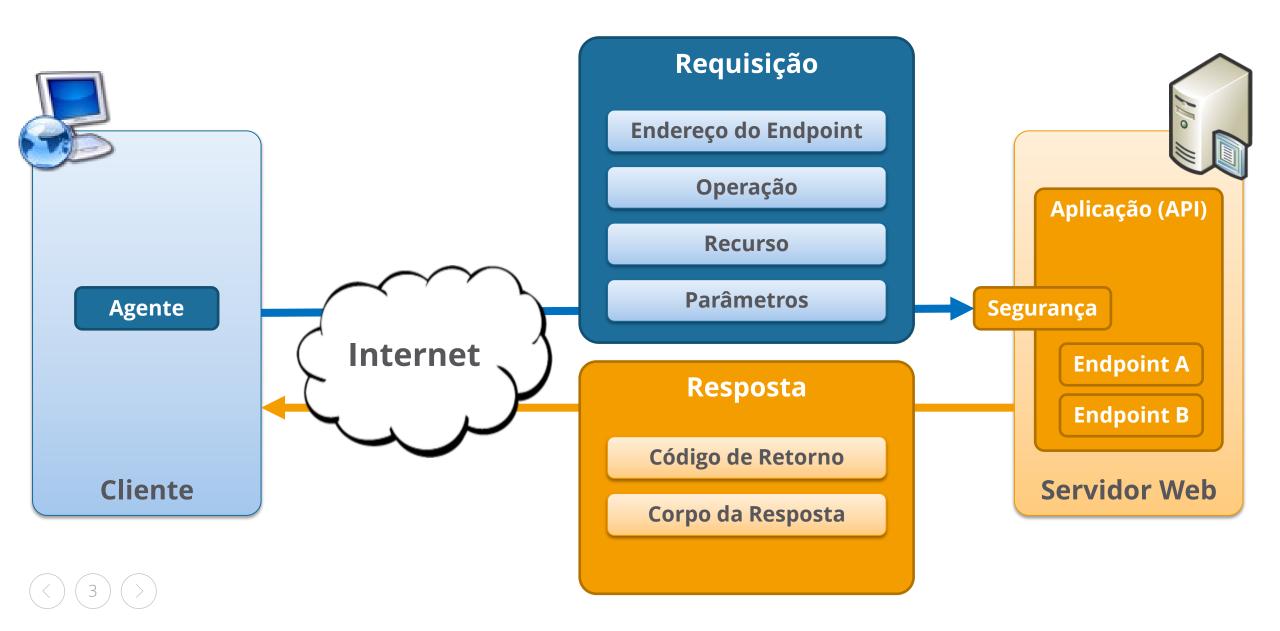








Elementos de uma API



```
<
                          Top headlines from TechCrunch right now
       http://newsapi.org/v2/top-headlines?sources=techcrunch&apiKey=API KEY
 status: "ok",
 totalResults: 10,
- articles: [
       - source:
            id: "techcrunch",
            name: "TechCrunch"
        author: "Jonathan Shieber",
        title: "Vista Partners founder calls for a fintech revolution to help pandemic-
        hit, minority-owned small businesses",
        description: "The head of what is arguably private equity's most successful
        technology investment firm - Vista Equity Partners - made a rare appearance on
        Meet The Press to discuss the steps that the country needs to take to help
        minority-owned businesses recover from the ...",
        url: https://techcrunch.com/2020/05/10/vista-partners-founder-calls-for-a-fintech-
        revolution-to-help-pandemic-hit-minority-owned-small-businesses/,
        urlToImage: https://techcrunch.com/wp-content/uploads/2020/05/GettyImages-
        1195294405.jpg?w=600,
        publishedAt: "2020-05-10T23:49:31Z",
        content: "The head of what is arguably private equity's most successful technology
        investment firm - Vista Equity Partners - made a rare appearance on Meet The Press
        to discuss the steps that the country needs to take to help minority-owned
        businesses recover from the ... [+5036 chars]"
```



Elementos de uma API

Requisição

Resposta

Elementos de uma API Requisição Top headlines from TechCrunch right now http://newsapi.org/v2/top-headlines?sources=techcrunch&apiKey=API_KEY **Endereço do Endpoint Parâmetros** Recurso Sources → techcrunch apiKey → API_KEY Operação



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Resposta

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Elementos de uma API

Resposta

Código de Retorno

Corpo da Resposta

- Formato → JSON
- Estrutura
 - □ status
 - □ totalResults
 - □ Articles (array)

Exemplo de API - News API

- Site: https://newsapi.org/
- Objetivo: Prover notícias gerais a partir de 50.000 fontes diferentes
- Endpoint
 - URL Base: https://newsapi.org/v2
- Segurança
 - Feita por meio de uma chave obtida através do site da API (APIKey)
 - A chave pode ser enviada via:
 - Parâmetro de Query String: apiKey,
 - Cabeçalho X-Api-Key ou
 - Cabeçalho Authorization (bearer)







Exemplo de API - News API

Recursos:

- Top Headlines Principais notícias de um pais, categoria ou fonte
 - Caminho: top-headlines
 - Parâmetros de QueryString: country | category | sources | q (query) | pageSize | page | apiKey
 - Formato da Resposta: JSON (status | totalResults | array de articles)
- Everything Todo tipo de notícias de diversas fontes
 - Caminho: /everything
 - Parâmetros de QueryString: q (query) | qinTitle | sources | domains | from | to | language | sortBy | pageSize | page | apiKey
 - Formato de Resposta: JSON (status | totalResults | array de articles)
- Sources Lista das fontes disponíveis para o endpoint Top Headlines
 - Caminho: /sources
 - Parâmetros de QueryString: category | language | country | apiKey
 - Formato da Resposta: JSON (status | array de sources)







Exemplo de API – The Movie DB

- Site: https://www.themoviedb.org/
- **Objetivo**: Fornecer informações sobre filmes, shows de TV e artistas
- Endpoint
 - URL Base: https://api.themoviedb.org/3
 - URL para imagens:
 - https://image.tmdb.org/t/p/w500 Para imagens de 500 pixels de largura
- Segurança
 - Feita por meio de uma chave obtida através do site da API (APIKey)
 - A chave pode ser enviada via:
 - Parâmetro de Query String: api_key
- Recursos: movie | list | tv | reviews | people | credits







Obrigado!