



Sistemas Web Seguros

---

# Atividade Somativa 1

---



## ATIVIDADE SOMATIVA

ATIVIDADE SOMATIVA 1: SISRH – Construção de web service REST

ESTUDANTE: Vanessa Milani Ratusznei

### Atividade 1: Transformando o SISRH em um sistema web service REST

The screenshot shows the SoapUI 5.8.0 interface. The top menu bar includes File, Project, Suite, Case, Step, Tools, Desktop, and Help. The toolbar has icons for Empty, SOAP, REST, Import, Save All, Forum, Trial, Preferences, and Proxy. The Endpoint Explorer tab is selected. The Navigator panel on the left lists projects: ProjetoSOAP, SISRH, and SISRH-REST. Under SISRH-REST, there are two requests: Request 1 under /sistema/datahora and Request 1 under /sistema/ping. The main workspace shows Request 1 for the ping endpoint. The Request Details panel displays the following configuration:

Method	GET
Endpoint	http://localhost:8080/sisrh/rest/sistema/ping
Resource	/sisrh/rest/sistema/ping
Parameters	pong: 92901214-a2b1-4711-88b7-183401ea4b54

The Response pane shows the response body: pong: 92901214-a2b1-4711-88b7-183401ea4b54. Below the workspace are tabs for Headers (6), Attachments (0), SSL Info, Representations (2), Schema (conflicts), and JMS (0). At the bottom, there are log links: SoapUI log, http log, jetty log, error log, wsrm log, and memory log.



The screenshot shows the SoapUI 5.8.0 interface. The top menu bar includes File, Project, Suite, Case, Step, Tools, Desktop, and Help. Below the menu is a toolbar with icons for Empty, SOAP, REST, Import, Save All, Forum, Trial, Preferences, and Proxy. A search bar for the forum is also present. The main area is titled "SoapUI Start Page" and displays the "Endpoint Explorer". On the left, the Navigator pane shows a project structure with "ProjetoSOAP" containing "SISRH" and "SISRH-REST". "SISRH-REST" has a "SISRH Servicos REST" folder with "ping" and "datahora" sub-folders, each containing a "Request 1". The central workspace shows three requests: "Request 1" under "ping", "Request 1" under "datahora", and another "Request 1" under "ping". The bottom status bar indicates a response time of 17ms (21 bytes) and a page number of 1:1.

## Atividade 2: Serviço para listar empregados

The screenshot shows the SoapUI interface with the following details:

- File Project Suite Case Step Tools Desktop Help**
- Empty SOAP REST Import Save All Forum Trial Preferences Proxy**
- Endpoint Explorer**
- Search Forum**
- Online Help**

**Navigator** pane shows:

- Projects
- ProjetoSOAP
- SISRH
- SISRH-REST
  - /sish/rest/empregado
  - listarEmpregados
  - Request 1
  - /sistema/databhora
  - /sish/rest/
  - /sistema/ping

**Request 1** pane shows:

- Method: GET
- Endpoint: http://localhost:8080
- Resource: /sish/rest/empregado
- Parameters: None

**Raw Response** pane shows the JSON response:

```
[{"matricula": "210501", "nome": "Luigi Campos", "admissao": "2016-08-27", "desligamento": null, "salario": 1876}, {"matricula": "210502", "nome": "Marcela Ferreira", "admissao": "2000-09-05", "desligamento": null, "salario": 1762}, {"matricula": "210503", "nome": "Joana Nascimento", "admissao": "2015-09-04", "desligamento": null, "salario": 1860}, {"matricula": "210504", "nome": "Nicole Martins", "admissao": "2017-08-20", "desligamento": null, "salario": 1950}]
```

**Request Properties** pane shows:

Property	Value
Name	Request 1
Description	
Encoding	

**Request Params** pane shows:

Property	Value
Required	<input type="checkbox"/>
Type	
Options	

**Headers**: (6) Attachments (0) SSL Info Representations (1) Schema (conflicts) JMS (0)

response time: 206ms (22030 bytes) 1:59



## Atividade 3: Obter um empregado

The screenshot shows the SoapUI interface with the following details:

- Navigator:** Projects - ProjetoSOAP, SISRH, SISRH-REST, SISRH Servicos REST.
- Request 1:** Method: GET, Endpoint: http://localhost:8080, Resource: /sish/rest/empregado/{matricula}.
- Request Properties:** Name: Request 1.
- Request Params:** None.
- Raw Request:** Raw tab shows the JSON payload:

```
1 {
2     "matricula": "210503",
3     "nome": "Joana Nascimento",
4     "admissao": "2015-09-04",
5     "desligamento": null,
6     "salario": 1866
7 }
```
- Response:** Response time: 41ms (109 bytes).

## Atividade 4: Incluir empregados

The screenshot shows the SoapUI interface with the following details:

- Navigator:** Projects - ProjetoSOAP, SISRH, SISRH-REST, SISRH Servicos REST.
- Request 1:** Method: POST, Endpoint: http://localhost:8080, Resource: /sish/rest/empregado.
- Request Properties:** Name: Request 1.
- Request Params:** None.
- Raw Request:** Media Type: application/json, shows the JSON payload:

```
1 {
2     "matricula": "10001",
3     "nome": "Usuario Teste",
4     "admissao": "2024-01-01",
5     "desligamento": "2025-01-01",
6     "salario": 3500.52
7 }
```
- Response:** Response time: 25ms (114 bytes).



## Atividade 5: Alterar empregados

The screenshot shows the SoapUI interface with the following details:

- Project:** ProjetoSOAP
- Endpoint:** http://localhost:8080 /sish/rest/empregado/{matricula}
- Method:** PUT
- Request Parameters:** matricula = 10001
- Request Body (Raw JSON):**

```
{"matricula": "10001",  
 "nome": "Usuario Teste",  
 "admissao": "2023-12-31",  
 "desligamento": "2024-12-30",  
 "salario": 1000.52}
```
- Response Body (Raw JSON):**

```
{"mensagem": "Empregado 10001 excluido!"}
```

## Atividade 6: Excluir empregados

The screenshot shows the SoapUI interface with the following details:

- Project:** ProjetoSOAP
- Endpoint:** http://localhost:8080 /sish/rest/empregado/{matricula}
- Method:** DELETE
- Request Parameters:** matricula = 10001
- Response Body (Raw JSON):**

```
{"mensagem": "Empregado 10001 excluido!"}
```



## Atividade 7: Listar solicitações

SoapUI 5.8.0

File Project Suite Case Step Tools Desktop Help

Empty SOAP REST Import Save All Forum Trial Preferences Proxy Endpoint Explorer Search Forum Online Help

**SISRH Servicos REST**

**Request 1**

Method: GET Endpoint: http://localhost:8080 Resource: /sirh/rest/solicitacao Parameters:

Name	Value	Style	Level

Raw Request XML JSON

```
1 [ {  
2     "id": 1001,  
3     "data": "2020-10-15",  
4     "descricao": "Licen\u00e7a M\u00e3dica",  
5     "situacao": 2,  
6     "matricula": "210523"  
7 },  
8     {  
9         "id": 1002,  
10        "data": "2019-05-08",  
11        "descricao": "Licen\u00e7a M\u00e3dica",  
12        "situacao": 1,  
13        "matricula": "210524"  
14 },  
15     {  
16         "id": 1003,  
17         "data": "2019-03-01",  
18         "descricao": "Licen\u00e7a M\u00e3dica",  
19         "situacao": 1,  
20         "matricula": "210525"  
21 },  
22     {  
23         "id": 1004,  
24         "data": "2019-10-05",  
25         "descricao": "Licen\u00e7a M\u00e3dica"  
26 } ]
```

Required:  Sets if parameter is required  
Type:   
Options:   
A... Header... Attachmen... Representatio... JMS Hea... JMS Prop... Headers... Attachments... SSL I... Representation... Schema (confi... JMS ... response time: 228ms (4662 bytes) 1:1

Properties

Request Properties Request Params

Property	Value
Name	Request 1
Description	
Encoding	

SoapUI log http log jetty log error log wsrn log memory log

SoapUI 5.8.0

File Project Suite Case Step Tools Desktop Help

Empty SOAP REST Import Save All Forum Trial Preferences Proxy Endpoint Explorer Search Forum Online Help

**SISRH Servicos REST**

**Request 1**

Method: GET Endpoint: http://localhost:8080 Resource: /sirh/rest/solicitacao/{id} Parameters:

Name	Value	Style	Level
id	1002	TEMPLATE	RESOURCE

Raw Request XML JSON

```
1 [ {  
2     "id": 1002,  
3     "data": "2019-05-08",  
4     "descricao": "Licen\u00e7a M\u00e3dica",  
5     "situacao": 1,  
6     "matricula": "210524"  
7 } ]
```

Required:  Sets if parameter is required  
Type:   
Options:   
A... Header... Attachmen... Representatio... JMS Hea... JMS Prop... Headers... Attachments... SSL I... Representation... Schema (confi... JMS ... response time: 27ms (96 bytes) 1:1

Properties

Request Properties Request Params

Property	Value
Name	Request 1
Description	
Encoding	

SoapUI log http log jetty log error log wsrn log memory log



## Atividade 8: Incluir solicitações

The screenshot shows the SoapUI interface with the following details:

- Project:** SISRH Servicos REST
- Request:** Request 1 (Method: POST, Endpoint: http://localhost:8080, Resource: /sish/rest/solicitacao)
- Request Properties:** Name: Request 1
- Request Params:** None
- Request Body (Raw JSON):**

```
{
    "id": 1052,
    "data": "2025-01-01",
    "descricao": "Licen\u00e7a Teste",
    "situacao": 1,
    "matricula": "123123"
}
```
- Response (Raw JSON):**

```
1 {
  "id": 1052,
  "data": "2024-12-31",
  "descricao": "Licen\u00e7a Teste",
  "situacao": 1,
  "matricula": "123123"
}
```

## Atividade 9: Alterar solicitações

The screenshot shows the SoapUI interface with the following details:

- Project:** SISRH Servicos REST
- Request:** Request 1 (Method: PUT, Endpoint: http://localhost:8080, Resource: /sish/rest/solicitacao/[id], Parameters: id=1052)
- Request Properties:** Name: Request 1
- Request Params:** None
- Request Body (Raw JSON):**

```

  "data": "2024-12-31",
  "descricao": "Licen\u00e7a Teste Ferias",
  "situacao": 2,
  "matricula": "123123"
}
```
- Response (Raw JSON):**

```
1 {
  "id": 1052,
  "data": "2024-12-30",
  "descricao": "Licen\u00e7a Teste Ferias",
  "situacao": 2,
  "matricula": "123123"
}
```



## Atividade 10: Excluir solicitações

The screenshot shows the SoapUI interface with the following details:

- File Menu:** File, Project, Suite, Case, Step, Tools, Desktop, Help.
- Toolbar:** Empty, SOAP, REST, Import, Save All, Forum, Trial, Preferences, Proxy.
- Endpoint Explorer:** Shows the endpoint `/sish/rest/solicitacao/{id}`.
- Request Panel:** Request 1, Method: DELETE, Endpoint: `http://localhost:8080`, Resource: `/sish/rest/solicitacao/{id}`. Parameters: `id: 1052`.
- Response Panel:** Raw tab shows a JSON response: `{"mensagem": "Solicitação 1052 excluída com sucesso!"}`.
- Properties Panel:** Request Properties and Request Params sections.
- Log Panel:** SoapUI log, http log, jetty log, error log, wsrm log, memory log.

