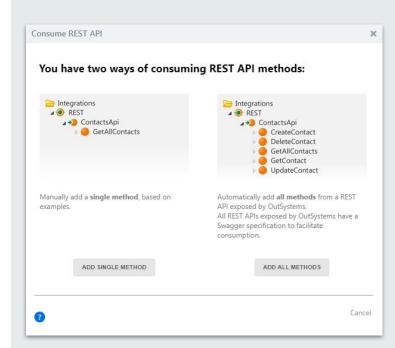
## **REST APIS**

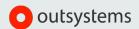
outsystems

Consuming a REST API method Exposing a REST API

#### Consume REST API

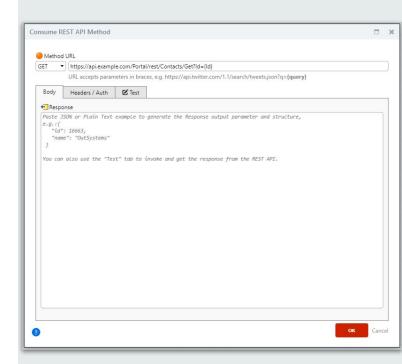
- Add Single Method
  - You need to specify the URL and an example of Request and Response
  - You can specify input parameters and the method
- Add All Methods
  - You need to specify a URL to a Swagger file

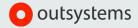




## **Add Single Method**

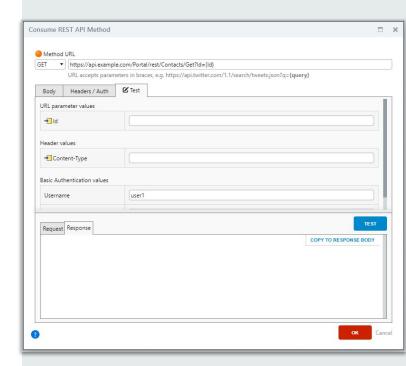
- GET input parameters are specified in the URL using the {ParameterName} syntax
- Response (and Request if method is not GET) is specified in **JSON** in the Body tab

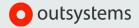




## **Testing the Service**

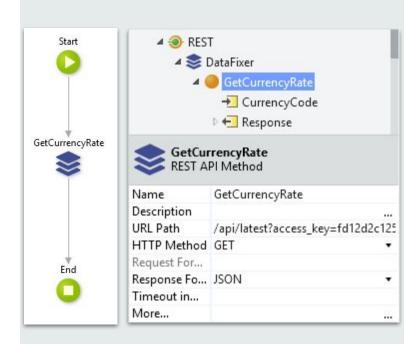
- You can test the method using values for the input parameters
- Accelerators exist to generate the Body's Response
  - Test the service
  - Copy to response body

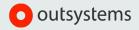




#### **Call REST Web Services Method**

- Call new REST methods like any server action
- After import you can:
  - Change names and descriptions
  - Change Method and Response Format
  - Change default values of attributes
- Refresh consumed REST Web Service whenever contract changes





## **Simple Customizations**

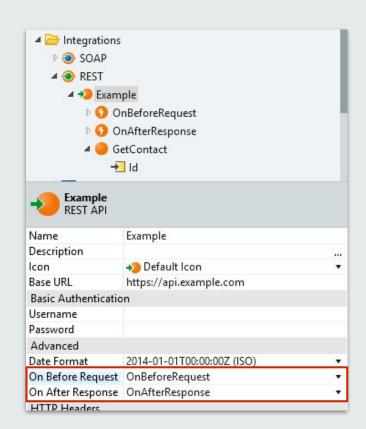
#### **OnBeforeRequest** can customize Request

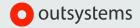
- Base URL and URL Path
- Query Parameters
- HTTP Method
- Headers
- Request Text and Request Binary

#### **OnAfterResponse** can customize Response

- StatusCode and StatusLine
- Headers
- Response Text and Response Binary

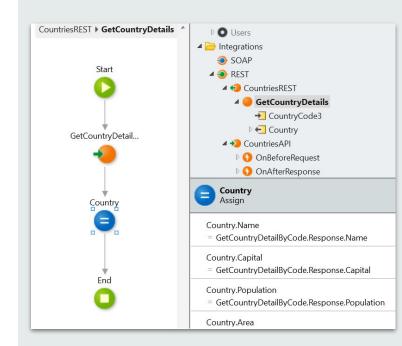
Called for all methods of a REST API

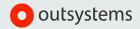




#### **Expose REST API**

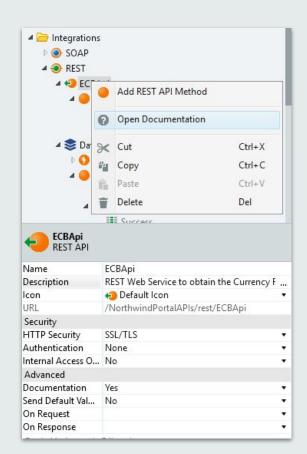
- Add REST API
- Add Method to REST API
  - Specify Input and Output parameters
- Implement method logic as in any Action

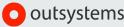




## **Document an Exposed REST API**

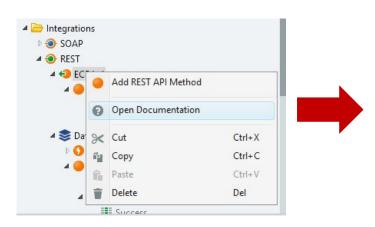
- Documenting your REST API is essential
  - Helps developers to integrate their applications with your system
- OutSystems automatically generates the documentation on publish
- Documentation is based on the properties of the REST API, its methods and their parameters
- Documentation is made available under the base URL of the REST API

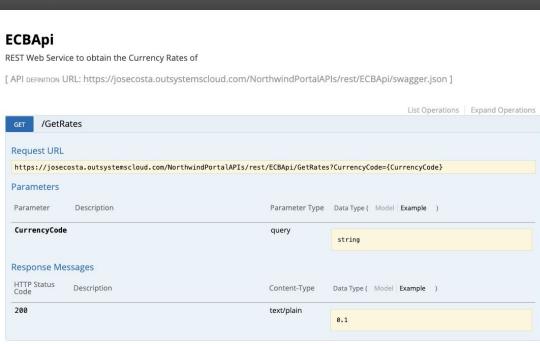




#### **Automatic Documentation**

outsystems







**REST API Documentation** 

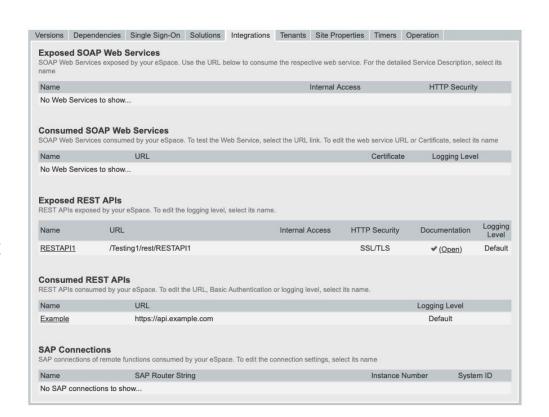
## **Service Center Configurations**

- Access to documentation
- Able to change log level

#### To access to Service center go to

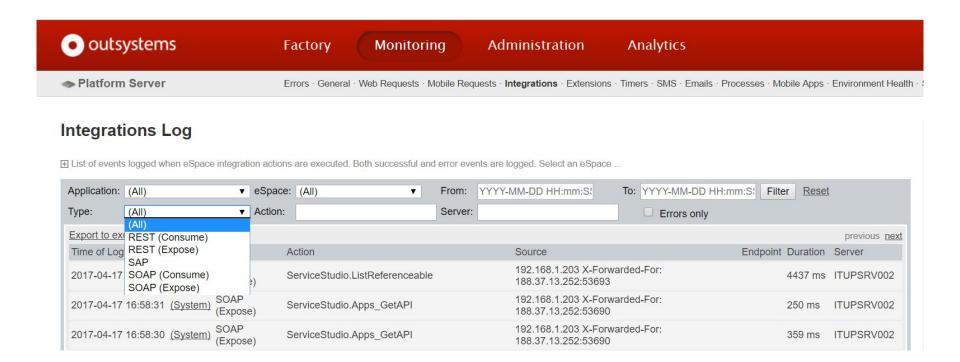
http://<hostname>/ServiceCenter
or click on Module Management
icon inside of Service Studio







## **Troubleshooting**





## Questions?

# Thank you