

1 Goal of this exercise

Learn about OData Protocol, RESTful services and how to get necessary data from an OData service.

Also look at [1002_ABAP-Connectivity_31_OData_Protocol_version2_v1.pdf](#)

2 Overview of transactions

Transaction	Function
SEGW	Create/Model OData Web Services in Service Gateway Builder
SE80	Redefine and implement Class Methods
/IWFND/MAINT_SERVICE	Activate and Maintain Service
/IWFND/GW_CLIENT	Test Service – also accessible from Service Maintenance
/IWFND/ERROR_LOG	Check error log (on error) – also accessible from Gateway Client

3 Using an OData service

Use the gateway client (has some helper functions) or the browser to call the following service:
<http://<sap-system>/sap/opu/odata/iwfnd/RMTSAMPLEFLIGHT/>

Look at the Service Document:

- a) what is the URL to use?
- b) which kind of information is contained and what hierarchy/structure is used for these elements?

Look at the Service Metadata Document:

- c) what is the URL to use?
- d) which kind of information is contained and what hierarchy/structure is used for these elements?

- e) how to read an entity set / collection?
- f) how can these be filtered for a specific airline?

- g) how to read a specific flight record?
- h) how to read the bookings of a flight?

- i) how to display a field of a record only?
- j) how to display the value of a field of a record only?
- k) how to select some fields of a record only?

- l) how to show only five records?
- m) how to find out how many flights are available in total?
- n) how can the data be displayed in JSON format?

- o) when do we use POST method and how does the URI look like?
- p) when do we use PUT method and how does the URI look like?

Collect your answers (links) in your result document
SAPData_01_<name>_<vorname>.docx [Total: 14P].