

# SAP Gateway Sample Service

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# What You Will Learn in This Video

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- Goal** Understand value and usage of the SAP Gateway Sample Service “**GWSAMPLE\_BASIC**”.
- Audience** SAP Gateway customers and partners with basic understanding of OData and SAP Gateway.
- Level** Basic to intermediate.
- System Prerequisite** SAP\_GWFND7.40 SP08 installed on the system.

# Agenda

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## Introduction

- Enterprise Procurement Model (EPM)
- SAP Gateway Sample Service

## Demonstration

- Details of SAP Gateway Sample Service in one of the SAP Gateway system.



## Introduction

# Enterprise Procurement Model (EPM)

# Introduction to Enterprise Procurement Model (EPM)

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## Enterprise Procurement Model

- is a test application that serves as a proxy for SAP's Business Suite applications.
- supports automated regression testing of existing development.
- acts as demo application for rollout or training sessions.



**By using EPM, developers can focus on their own development and do not have to invest heavily into designing and building local test applications. You just need to generate test data initially to use this application.**

More information on SAP Developer Network SDN - EPM scenario @ [EPM](#)



## Introduction

# SAP Gateway Sample Service



# Introduction to SAP Gateway Sample Service

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## SAP Gateway Sample Service

- is located in the namespace IWBEP and is available with SAP\_GWFND 7.40 SP08.
- It provides entity type used as value help and usage of complex data types.
- It provides basic OData capabilities and is based on EPM scenarios.

## SAP Gateway Sample Service supports various capabilities such as

- CRUDQ
- SAP annotations
- Function imports
- ETags

# Introduction to SAP Gateway Sample Service

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## You can access the service in following ways

- Service Builder (SEGW) transaction, open the project: /IWBEP/GWSAMPLE\_BASIC.
- Gateway Client and access the URI: /sap/opu/odata/IWBEP/GWSAMPLE\_BASIC.

## Service Document URI

- [https://<system address>/sap/opu/odata/IWBEP/GWSAMPLE\\_BASIC/?\\$format=xml](https://<system address>/sap/opu/odata/IWBEP/GWSAMPLE_BASIC/?$format=xml)

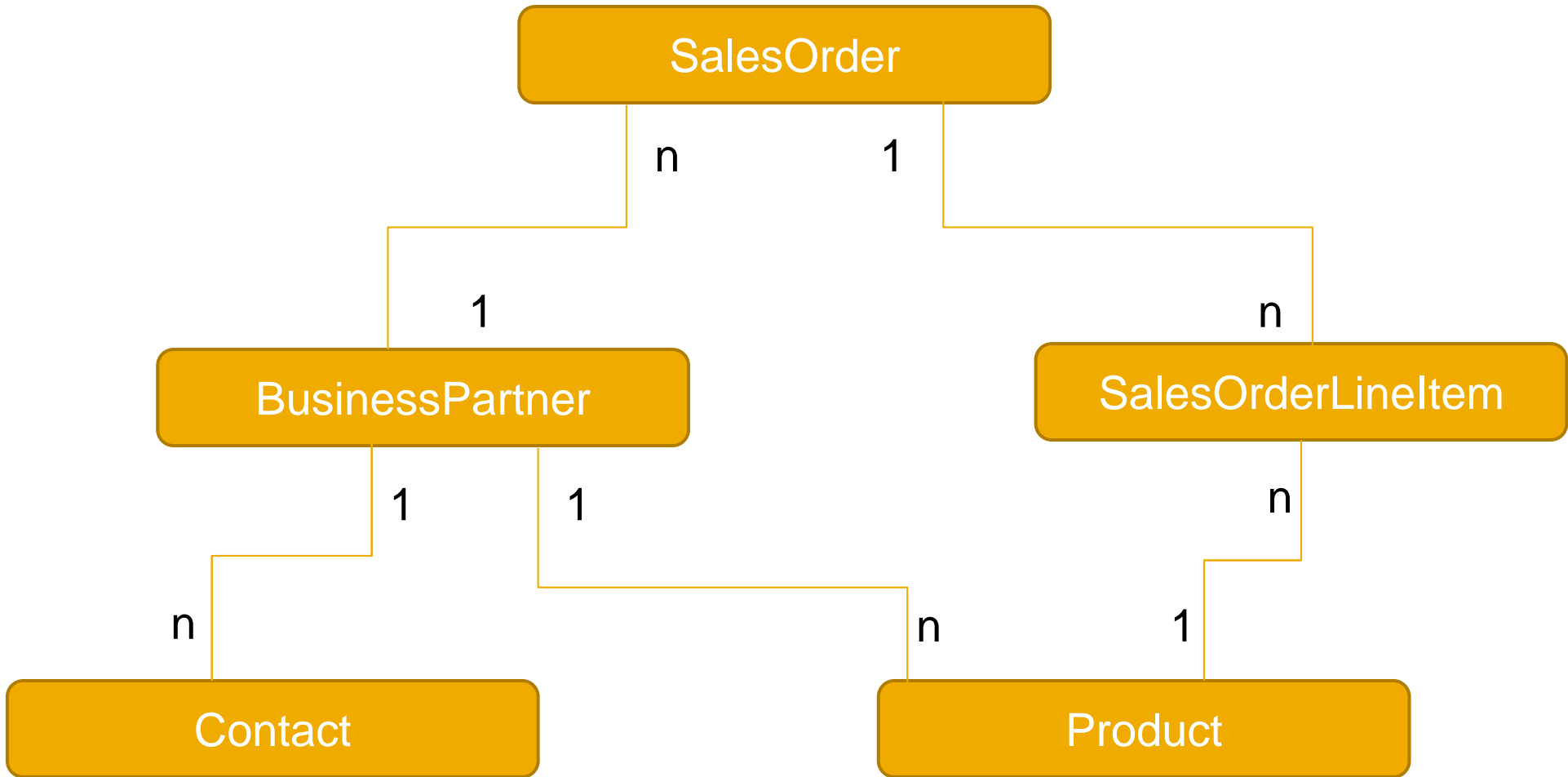
## Service Metadata Document URI

- [https://<system address>/sap/opu/odata/IWBEP/GWSAMPLE\\_BASIC/?\\$metadata](https://<system address>/sap/opu/odata/IWBEP/GWSAMPLE_BASIC/?$metadata)

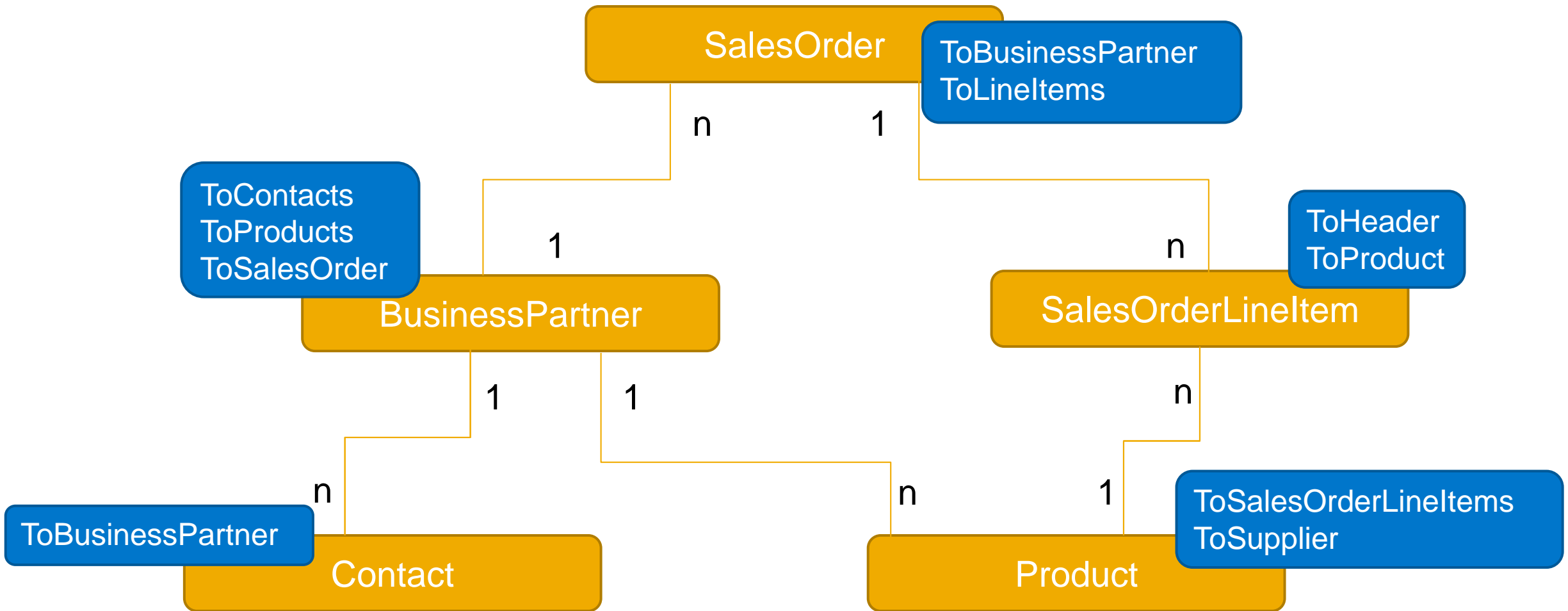
More Information on SAP Gateway Sample Service @ [SAP Help Portal](#)



# Data Model – Simplified



# Data Model – Simplified



# Use Cases

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**Service root URI: /sap/opu/odata/IWBEP/GWSAMPLE\_BASIC/**

## **\$orderby**

- Example : Sort the properties of BusinessPartnerSet based on city and postal code.

`/sap/opu/odata/IWBEP/GWSAMPLE_BASIC/BusinessPartnerSet?$orderby=Address/City,Address/PostalCode`

## **\$filter**

- Example 1: Filter the properties of BusinessPartnerSet having country = CA.

`/sap/opu/odata/IWBEP/GWSAMPLE_BASIC/BusinessPartnerSet?$filter=(Address/Country eq 'CA')`

- Example 2: Filter the properties of ProductSet having supplierID eq '0100000015'.

`/sap/opu/odata/IWBEP/GWSAMPLE_BASIC/ProductSet?$filter=SupplierID eq '0100000015'`

# Use Cases

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## \$expand

- Example: Get a sales order and the details of associated business partner to that sales order.

`/sap/opu/odata/IWBEP/GWSAMPLE_BASIC/BusinessPartnerSet?$orderby=Address/City,Address/PostalCode`

## Create, Update and Delete (CRUD)

- Use POST method to create a new entity. For example add a new entity to Business Partner entity set.
- Use PUT method to update the properties of existing entity. For example update the new email ID of the existing Business Partner entity set.
- Use DELETE method to delete an entity which is no longer in use.
- URI for CRUD operation on Business Partner.

`/sap/opu/IWBEP/GWSAMPLE_BASIC/BusinessPartnerSet`



## Demonstration

**Details of Gateway sample Service in one of the Gateway Systems**

→ **see YouTube video**

# Further Information

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More information on **SAP Gateway** @ <http://help.sap.com/nwgateway20>

SCN link to **SAP Gateway** @ <http://scn.sap.com/community/gateway>

More information on **SAP Gateway Sample Service** @

[http://help.sap.com/saphelp\\_nw74/helpdata/en/59/283fc4528f486b83b1a58a4f1063c0/content.htm?frameset=/en/ad/612bb3102e4f54a3019697fef65e5e/frameset.htm&current\\_toc=/en/ad/612bb3102e4f54a3019697fef65e5e/plain.htm&node\\_id=313&show\\_children=false](http://help.sap.com/saphelp_nw74/helpdata/en/59/283fc4528f486b83b1a58a4f1063c0/content.htm?frameset=/en/ad/612bb3102e4f54a3019697fef65e5e/frameset.htm&current_toc=/en/ad/612bb3102e4f54a3019697fef65e5e/plain.htm&node_id=313&show_children=false)

More information on **Enterprise Procurement Management scenario** @

<http://www.sdn.sap.com/irj/scn/go/portal/prtroot/docs/library/uuid/d0a7f673-59da-2f10-6e8b-bc7fe5dd4d0f?QuickLink=index&overridelayout=true&58600533829162>

More information on underlying **OData** @ <http://www.odata.org/>



**Thank you!**